Schuham Builder’s Supply Co., Inc.

Since 1926, Schuham Builder’s Supply has been a family owned business. Our goal is to provide our customers with a wide range of architectural hardware, hollow metal and superior customer service. We specialize in custom hollow metal doors and frames and are a licensed UL labeling shop. Our sales personnel are familiar with building, fire and handicap codes. They are also knowledgeable in accessibility standards and blueprint reading. Our computerized Order Entry system allows us to process your orders quickly and efficiently.

We are Chicagoland’s premier distributor for over 100 hardware manufacturers.

Let us know how we can assist you!
Call us today at 888-SCHUHAM (888-724-8426) or 773-286-0123
Business Hours: Monday - Friday, 7:30 a.m. - 4:00 p.m.
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### ELEMENT 10: DOORS

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<td>4.1.3(7)(C)</td>
<td>Where Applicable</td>
<td>Each door that is an element of an accessible route shall comply with this section.</td>
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<td>4.13.5 4.3.3 4.1.6(3)(d)(i)</td>
<td>Clear Width</td>
<td>Doorways shall provide a clear opening of 32” minimum, with the door open 90°. Clear opening shall be measured between the face of the door and stop. Openings more than 24” in depth shall provide a clear opening of 36” minimum. Exception: Doors not requiring full user passage, such as shallow closets, shall have a clear opening of 20” minimum.</td>
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<td>4.138</td>
<td>Door Hardware</td>
<td>Handles, pulls, latches, locks, and other operating devices shall have shape that’s easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable designs. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for passage shall be mounted no higher than 48” above finished floor.</td>
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# Hollow Metal Doors

**Standard Door Comparison for 1 3/4" Door**

Measure from the top of the door to the top of each hinge.

| Manufacturer | A | B | C | E | A | B | C | E | A | B | C | D | E | 1/8"/1/16" DR | 1/8"/1/16" DR |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amweld       | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 43 3/16" | 58" | 83 5/16" | 55 7/16" | 1/4" |
| Fenestra     | 5 1/8" | 35 5/16" | 65 3/8" | 39 3/16" | 5 1/8" | 35 5/16" | 65 3/8" | 39 3/16" | 5 1/8" | 35 5/16" | 65 3/8" | 55 3/16" | 81 1/16" | 55 7/16" | 3/4" |
| Kewanee      | 7 1/4" | 37 5/16" | 67 3/8" | 39 3/16" | 7 1/4" | 37 5/16" | 67 3/8" | 39 3/16" | 7 1/4" | 37 5/16" | 67 3/8" | 43 3/16" | 55 7/16" | 81 1/16" | 55 7/16" | 1/4" |
| Pioneer      | 4 7/8" | 35 5/16" | 65 3/8" | 41 7/16" | 4 7/8" | 35 5/16" | 65 3/8" | 41 7/16" | 4 7/8" | 35 5/16" | 65 3/8" | 45 7/16" | 55 7/16" | 81 1/16" | 57 7/16" | 3/2" |
| Republic     | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 55 3/16" | 81 1/16" | 55 7/16" | 3/4" |
| Steelcraft   | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 39 3/16" | 7 5/8" | 37 5/16" | 67 1/4" | 55 3/16" | 83 1/4" | 55 7/16" | 1/4" |

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www.schuham.com · 4640 N Elston Ave · Chicago, IL 60630-4229 · Fax: 773/286-3388
**Hollow Metal Frames**

**Standard Frame Comparison for 1\(\frac{3}{4}\)" Frame**

Measure from the top inside of frame to the top of each hinge cutout.

### Hollow Metal Frames

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<th>E</th>
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<th>B</th>
<th>C</th>
<th>E</th>
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<th>B</th>
<th>C</th>
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Hollow Metal Frames
Reference for a Standard Frame

Schuham offers a complete line of CURRIES flush frames that are in 16 gauge cold-rolled steel. Frames can be purchased knocked down or welded and ground smooth. Frames are manufactured for all wall conditions such as masonry, steel stud, wood stud, and poured concrete. Frame sizes are available to match door sizes, in any combination of singles or pairs. Nonstandard width or height frames are available on special order.

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</tr>
<tr>
<td>FR 107 A Wood Stud Anchor 5”</td>
<td></td>
</tr>
</tbody>
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**Diagram Notes**

- **Header**
- **Closer Reinforcing**
- **Corner Reinforcement**
- **Steel Stud Anchor (Clip)**
- **Wood Stud Anchor (Clip)**
- **Masonry T Anchor (Clip)**
- **Header**
- **Hinge Jamb**
- **Strike Jamb**
- **Strike Reinforcement**
- **Spreader Bar**
- **Hinge Reinforcement**
- **Jamb Opening Width**
- **Base Anchor (Clip)**

---

**Reference for a Standard Frame**

- **Header**
- **Closer Reinforcing**
- **Corner Reinforcement**
- **Steel Stud Anchor (Clip)**
- **Wood Stud Anchor (Clip)**
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- **Strike Jamb**
- **Strike Reinforcement**
- **Spreader Bar**
- **Hinge Reinforcement**
- **Jamb Opening Width**
- **Base Anchor (Clip)**
Chart for Measuring Hollow Metal

Measuring an Existing Door

Measuring an Existing Frame

<table>
<thead>
<tr>
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Hollow Metal Frames

Schuham Builder’s Supply will build to fit any dimensions. Call for a drawing and quote.

SINGLE FRAME

PAIRED FRAME

FRAME W/ ATTACHED BORROWED LITE

SIDE LITE FRAME
Hollow Metal Frames

BORROWED LITE FRAME

BORROWED LITE FRAME - MULTIPLE LITES

TRANSOM FRAME

TRANSOM FRAME FOR PAIR OF DOORS
Hollow Metal Frame Anchors

Masonry Wall Anchors

Masonry T Anchor

Wire Masonry Anchor

Masonry Construction Frame to Span Wall

Grout

Wire masonry anchor furnished loose.

Masonry Construction Frame to Butt Wall

Grout

Wire masonry anchor furnished loose.

Existing Masonry Anchors

WEWA

Welded in existing strap anchor

Floor Anchors

Standard 16 Ga. Floor Anchor

Optional Reverse Foot Clip 16 Ga. Floor Anchor

Provide frames, other than slip-on drywall type, with minimum 18 Ga. anchors for attachment to the floor.
Hollow Metal Frame Anchors

Drywall Frame Anchors

Steel Stud Wall Anchors

Wood Stud Wall Anchors

Combination Anchors

Hours of Operation: 7:30 AM Until 4:00 PM • Phone: 773/286-0123 or 888/SCHUHAM
Hollow Metal Doors
Cylindrical Lock Preparation
(Gov’t. 161)

Mortise Lock Preparation
(Gov’t. 86)
Hollow Metal Doors
Standard Inactive Door Preparation

12 GA. (2.6) REINFORCING

1/8" HEAD, HINGES AND LOCK STILES

NET DOOR HEIGHT

J.O. HEIGHT

5/8" TALL

FINISH FLOOR

SIZE AND TAP PER ANSI 115.2

(H1)
12' (304.8) FROM TOP/BOTTOM OF DOOR STANDARD

(H124)
24" (609.6) FROM TOP 12" (304.8) FROM BOTTOM

(H136)
36" (914.4) FROM TOP

12" (304.8) FROM BOTTOM

Schuham Builder’s Supply Company, Inc.

Hours of Operation: 7:30 am Until 4:00 pm
Phone: 773/286-0123 or 888/SCHUHAM
Hollow Metal Doors

Doors Installation and Trouble Shooting

Reference for a Standard Frame

Figure 1

Tight Hinge Side Clearance and/or Excessive Lock Side Clearance

Even but tight clearance between the strike jamb and the lock edge of the door can be improved by placing equal sized shims (D) between each jamb hinge reinforcing and the hinge leaf to move the door and hinge barrel toward the hinge jamb. Further adjustment can be made by placing equal sized shims (C) behind each door hinge reinforcing. (Fig 1)

Figure 2

Tight Hinge Side Clearance and/or Excessive Lock Side Clearance

Even but tight clearance between the strike jamb and the lock edge of the door can be improved by placing equal sized shims (B) between each jamb hinge reinforcing the hinge barrel toward the strike jamb. Further adjustments can be made by placing equal sized shims (A) behind each door hinge reinforcing. (Fig 2)

Note: Shims (A) or (B) which are too thick can cause hinge bind when the door is closed, especially when weatherstrip is applied to the hinge rabbet.

Figure 3

Out of Square Hinge Jamb or Strike Jamb

Toe Out:

Frame openings which are wider at the base than at the head will cause wider clearance at the lower lock edge and at the top as shown in Fig 3. This condition can be improved by placing shims (D) and (C) between the jamb and door hinge reinforcing respectively at the bottom hinge leaves. Further adjustment can be made by placing shims (B) and (A) behind the top hinge which will in effect rotate the door about the middle hinge. If the strike jamb is toed out also you may need to place shims (D) an (C) at the middle hinge as well.

Figure 4

Toe In:

Frame openings which are narrower at the base than at the head will cause tight clearance at the lower lock edge and at the top as shown in Fig 4. This can be improved by placing shims (B) and (A) behind the bottom hinge leaves and possibly the middle hinge as well. Further fine adjustment can be made by placing thin shims (D) and (C) at the top hinge.
Hollow Metal Doors

Door Installation

1. Attach the hinges loosely to the door with the heads of the pivot pins toward the top.

2. Support the door adjacent to the hinge jamb in a position 90 degrees to the frame. A wood block close in thickness to the undercut of the door makes a good support.

3. Align the hinges with the reinforcements on the jamb and insert mounting screws beginning with the top hinge.

4. Tighten all screws in all hinges and close door to check clearances between door and frame. If frame is square and plumb the clearances should be approximately 1/8” at the top, 3/32” at the hinge and lock edges and 5/8” undercut at the floor.

Clearance Adjustments

If clearances at lock and hinge jambs need adjustment remove screws, one leaf at a time and insert narrow shims 1/4” wide by length equal to hinge height as needed to shift the door by small increments in direction desired.

1. Using shim “A” only, door will be relocated in direction of Arrow “E”.

2. Using shim “B” only, will move both door and centerline of hinge barrel in direction of Arrow “E”.

3. Using both shims “A” and “B” will relocate the door in direction of Arrow “E”.

4. Using shim “C” only, door will be relocated in direction of Arrow “F”.

5. Using shim “D” only, both door and centerline of hinge barrel will move in the direction of Arrow “F”.

6. Using both shims “C” and “D” will relocate the door in direction of Arrow “F” by a greater amount than by using either “C” or “D” alone. The centerline of hinge barrel will be relocated the same as by using shim “D” alone.
Hollow Metal
Frame Installation Instructions

Masonry Frame Construction For Masonry, Metal Stud, and Wood Stud Walls

**ASSEMBLY OF FRAME**

- #8 SCREW (MS002485) (REQUIRED ON ALL KD APPLICATIONS)

**PLUMBING OF FRAME**

**Squaring the Frame**

The installer should use wood spreaders (as described below), a carpenters level (the longer the better), and a full size carpenters square. Set the frame in the desired location. Level head and plumb jambs. Shim under jambs if necessary.

**Job Storage**

Store frames off the ground on wood runners or skids. Do not store directly on the ground. Cover frames with tarpaulin or plastic but do insure that adequate ventilation is provided to eliminate moisture condensation. When frames are to be fully grouted and when plaster or mortar contain “anti-freeze” agents, the inside of the frames should be coated with a bituminous, water-resistant paint by the installation contractor.

**Bracing Frames Before Wall Construction For KD and Welded Frames**

**Bracing the Frame**

Brace the frame as shown or shore to a structure above. Brace in the direction of intended wall. Plumb and square jambs. Install vertical brace to support header for openings over 4’0” wide.

**Spreader**

Typical wood spreader must be square and fabricated from lumber no less than 1” thick. Correct length is the door opening width between the jambs at the header (i.e., Single Door 3’0” = 36”). Cut clearance notches for frame stops. Spreader must be nearly as wide as frame depth for accurate installation.

**Plumbing the Frame**

The contractor should be equipped with a carpenter level, square and spreader. Set the frame in desired location and level the header. Square jambs to header. Shim under jambs if necessary. With frame in place, set spreader and fasten jambs to floor through floor anchors.

**NOTE ON WELDED FRAMES:**

Shipping bars should NOT be used as spreader. Remove shipping bar before setting frame.
### KD Drywall Frame Installation Instructions

1. **Construct wall with rough opening height equal to finished opening height plus 3/4” to 1” max. rough opening width is as follows:**
   a. For 2” face frames - opening width plus 21/8” to 23/8”
   b. For 13/4” and 11/2” face frames - opening width plus 2”
2. **Bottom of frame must be on a solid surface.**
3. **If wrap around base anchor is used, notch drywall in that area.**
4. **Retract compression bars in the jambs and install one jamb in position on wall.**
5. **Insert frame head under the corner clips of the jamb and raise into position.**
6. **Insert the corner clips of the remaining jamb into the opposite end of the head and position jamb on wall.**
7. **Locate a removable frame spacing bar at base of centered frame to maintain proper opening width during installation.**
8. **Square and plumb frame and install base anchor screws through countersink holes in frame face and into floor plates.**
9. **Square top of frame and tighten compression bars by turning screws clockwise.**
10. **Install (4) No. 8 x 1/2” sheet metal screws at the corners of the head to attach head to jambs. (Required for U.L. rated frames.)**

### Frame Anchors for Wall Conditions

Provide frames, other than slip-on drywall type, with a minimum of three anchors per jamb as required for the adjoining wall construction. Frames with Existing Masonry Anchors require four anchors each side. Provide anchors of not less than 18 Ga. steel or 7 Ga. diameter wire.

*Fire Rating requires 4 anchors each side.*
Hollow Metal
Frame Installation Instructions

Masonry Construction For KD and Welded Frames

NEW MASONRY CONSTRUCTION
1. Assemble frame.
2. Set brace and plumb frame.
3. Install anchors. Grout frame in the area of the anchors as block courses are laid up. Frames may also be supplied with anchors welded in place.
4. A second spreader is recommended at the mid-point of the door opening to maintain the door opening dimension.
5. Continually check plumb and square as wall progresses.

NOTE: Anchors in frame heads are not required.

EXISTING MASONRY CONSTRUCTION
1. **Drill 9/16” only if not prepped by Schuham.** Evenly spaced in each jamb for 3/8” expansion shell anchors. Install multipurpose anchor at each 9/16” hole.
2. Assemble 3 frame pieces flat on floor. Install (4) #8 x 1/2” sheet metal screws (included) at corners of head to each jamb (required for Underwriters Laboratories fire rating). Locate removable spacing bar at base of frame to maintain proper opening width during installation.
3. Position assembled frame in opening. Plumb and level the frame. Shim frame as required.
4. Anchor frame to wall with 3/8” expansion shell anchors, shimming behind anchors as needed.

Steel Stud Wall Construction For KD and Welded Frames

**FLUSH OR RECESS TYPE ANCHORS**

**Elevation**
1. Assemble frame.
2. Install anchors. Position anchors in frame through the throat and tap in with a hammer. Frames may also be supplied with anchors welded in place.
3. Square, brace and plumb frame as shown.
4. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install jamb studs to floor and ceiling runners and tightly against frame anchors.
5. Attach studs to frame anchors as shown below.

**NOTE:** Drywall must extend at least 1/2” into frame at fire rated installations.

**CHANNEL TYPE STEEL STUD**

Position studs in frame throat and attach to anchors with screws or weld. If using screws, the installer should drill from the back side of the stud, through both the stud and anchor, then attach with (2) screws per anchor location.

**NOTE:** When attaching header stud to jamb studs, be sure the stud is above frame header. This will assure ample room for attaching plaster lath or drywall and will not interfere with installation of hardware attached to frame header. Anchors are not required in frame heads, except fire listed double egress openings.

**SPREADERS**

Typical wood spreader must be square and fabricated from lumber or steel no less than 1” thick. Correct length is the door opening width between the jambs at the header. Cut clearance notches for frame stops. Spreader must be nearly as wide as frame depth for proper installation. i.e., Single door 3’0” = 36”
Hollow Metal
Frame Installation Instructions

Wood Stud Construction For KD and Welded Frames

1. Assemble frame. Position anchors in frame throat and tap in with a hammer. Frames may also be supplied with anchors welded in place.
2. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install double jamb studs to floor and ceiling runners and header.
3. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
4. Square and nail top anchor to stud on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to stud. Repeat for opposite jamb.
5. Anchors are not required in frame heads, except fire listed double egress openings.

Wood Stud Construction For Studs Erected Before Frame

1. Assemble frame.
2. Install anchors. Position anchors in frame throat and tap in with a hammer. Frames may also be supplied with anchors welded in place. Base anchors may also be used. If base anchor cannot be used add one anchor per jamb at bottom.
3. Place frame in rough stud opening.
4. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
5. Set spreader and level frame. Shim jambs if necessary.
6. Square and nail top anchor to stud on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to stud. Repeat for opposite jamb.
7. Anchors are not required in frame heads, except fire listed double egress openings.

NOTE: Drywall must extend at least 1/2” into frame at fire rated installations.

Rough opening

Build rough opening. Rough opening dimensions for 2” face frames should be 4-1/4” - 4-1/2” larger than door width and 2-1/4” - 2-1/2” larger than door height. It is recommended that double studs be used at jambs and headers.

NOTE: Drywall must extend at least 1/2” into frame at fire rated installations.
## Hollow Metal Frame Profiles

### 16 Gauge

<table>
<thead>
<tr>
<th></th>
<th>Standard Jamb</th>
<th>Cased Opening</th>
<th>Mullion Section</th>
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<tbody>
<tr>
<td><strong>C-16 578</strong></td>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
<td><img src="image3" alt="Diagram" /></td>
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</table>

**Stock Profiles for Drywall Frames**

<table>
<thead>
<tr>
<th>C-16 ga.</th>
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<tbody>
<tr>
<td>4 ¾&quot;</td>
</tr>
<tr>
<td>5 ⅞&quot;</td>
</tr>
<tr>
<td>7 ⅛&quot;</td>
</tr>
<tr>
<td>8 ¼&quot;</td>
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</tbody>
</table>

<table>
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<tr>
<th><strong>M-16 434</strong></th>
<th><img src="image4" alt="Diagram" /></th>
<th><img src="image5" alt="Diagram" /></th>
<th><img src="image6" alt="Diagram" /></th>
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</thead>
</table>

**Stock Profiles for Masonry Frames**

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<th>M-16 ga.</th>
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<td>4 ¾&quot;</td>
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<td>5 ¾&quot;</td>
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<tr>
<td>6 ¾&quot;</td>
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<tr>
<td>7 ¼&quot;</td>
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<tr>
<td>8 ¾&quot;</td>
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Wall Conditions & Door Swings

DOOR APPLICATIONS

Single Door Applications

- Single Mortise Lock Device
- Single Rim Device

Double Door Applications

- Mortise lock and surface mounted or concealed vertical cable/rod device combination – same direction
- Two rim devices with mullion – same direction
- Two vertical rods – double egress

DOOR HANDING

Left hand – reverse orientation
Right hand – reverse orientation

LHR (Left hand-reverse)
RHR (Right hand-reverse)

Two surface mounted vertical rod devices – same direction (do not use with overlapping astragal)
Two Fire Exit Hardware vertical cables/rods with auxiliary fire latch – LBR option
Two concealed vertical cables/rods
Fire Doors

Steel fire doors are covered by four ratings. These ratings are determined by exposure limitations of the door itself. The maximum requirement for any steel fire door is an exposure rating of 3 hours. The other ratings are 1 ½ hours, ¾ hours, and ⅓ hours or 20 minutes. Fire door openings are classified by their locations in the building.

The location determines the length of exposure protection required, based on the potential fire hazard of that particular area. The five openings classifications are shown in the table along with the four door ratings and maximum amount of glass in square inches allowed for each classification.

There are no hourly ratings for a basic fire frame, unless the labeling on the frame specifically states that the frame is rated for something less than 3 hours. Frames used in masonry walls may be used with a maximum 3 hour fire door while frames used in drywall are intended to be used with a maximum 1 ½ hour fire door.

**Fire Door Classified Openings**

<table>
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<tr>
<th>Opening</th>
<th>Class</th>
<th>Rating</th>
<th>Glass</th>
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<tr>
<td><img src="image1" alt="Image" /></td>
<td>A</td>
<td>3 Hours</td>
<td>100 Sq. In. per Door Leaf FireLite Glass ONLY</td>
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<tr>
<td><img src="image2" alt="Image" /></td>
<td>B</td>
<td>1-1/2 Hours</td>
<td>100 Sq. In. per Door Leaf FireLite Glass, WireLite Glass</td>
</tr>
<tr>
<td><img src="image3" alt="Image" /></td>
<td>C</td>
<td>3/4 Hours</td>
<td>1296 Sq. In. per Lite, more than 1 Lite per Door Leaf FireLite Glass, WireLite Glass</td>
</tr>
<tr>
<td><img src="image4" alt="Image" /></td>
<td>D</td>
<td>1-1/2 Hours</td>
<td>None</td>
</tr>
<tr>
<td><img src="image5" alt="Image" /></td>
<td>E</td>
<td>3/4 Hours</td>
<td>1296 Sq. In. per Lite</td>
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<tr>
<td><img src="image6" alt="Image" /></td>
<td>No Class Designation</td>
<td>1/3 Hours (20 Minutes)</td>
<td>1296 Sq. In. per Lite</td>
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**The Five Basic Requirements for a Fire Rated Opening**

1. Labeled Fire Frame
2. Labeled Fire Door
3. Approved UL Listed Closer
4. Approved Latching Device with Proper Latchbolt Length
5. Steel Ball Bearing Type Hinges
**Filler Plates**

### Door Filler Plates

- **DR 350 Mortise Lock Filler Plate**
  - 86 Edge Filler 1-1/4” x 8”

- **DR 180 Conversion Filler Plate**
  - Converts 86 Edge to 181 Latch Edge

- **DR 100 Filler Plate Lock Edge**
  - D951 Door Filler Plate 1-1/8” x 2-1/4”

- **DR 150 Escutcheon Set 2-1/8” 161 Hole 3448 Cylindrical Lock Cover Plate**

- **DR 162/164 Flush Bolt Filler Plate**
  - 1” x 6-3/4”

- **DR 168 Hinge Blank Filler Plate**
  - 4-1/2” x 1-5/8” w/o Holes for Welded Application

### Frame Filler Plates

- **FR 160 A Flush Bolt Strike Filler Plate**
  - H5 Flush Bolt Strike Plate

- **FR 350 ASA Blank Strike Filler Plate**
  - 4-7/8” x 1-1/4” Straight Lip

- **FR 201 ASA Blank Strike Plate**
  - 4-7/8” x 1-1/4” No Lip

- **FR 200 ASA Blank Strike Plate**
  - 4-7/8” x 1-1/4” Curved Lip

- **FR 190 T-Strike Blank Filler Plate**
  - 2-3/4” x 1-1/8” Straight Lip

- **FR 348 T-Strike Blank Filler Plate**
  - 2-3/4” x 1-1/8” Extended Lip

- **FR 600 F Hinge Filler Plate**
  - 4-1/2” x 1-5/8” x .134

- **FR 260 Hinge Shims, 4-1/2” Template Butts**

- **FR 220 B Rubber Bumper Silencers**

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**CALL FOR AVAILABILITY**

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**Hours of Operation:** 7:30 AM until 4:00 PM • **Phone:** 773/286-0123 or 888/SCHUHAM
## Healthcare Facility Applications

### 1. Cross Corridor Double Egress Door with 90 Minute Fire Rating (Pairs)
- **Frame**: Curries 16 gauge double egress frame
- **Door**: Curries 747 – 18 gauge (90 minute) fire rated hollow metal door
- **Hinges**: McKinney PH-4 pocket hinges
- **Exit Devices**: Sargent 12-MD6800 concealing rod exit devices
- **Closers**: Sargent 12-2407 Series Fireguard hold open closers/smoke detectors
- **Power Supply**: Sargent 3510 Series power supply

### 2. Patient Room Entrances with 90 Minute Fire Rating
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-FD 90 (90 minute) fire labeled wood door
- **Hinges**: McKinney T4A-T483789 swing clear hinges
- **Hospital Latch**: Sargent 115 Series hospital latch
- **Closers**: Sargent 12-2900 Series Fireguard hold open closers
- **Switch**: Sargent momentary push button for 12-2500 release
- **Power Supply**: Sargent 3510 Series power supply

### 3. Patient Rooms/Lavatory (Single)
- **Frame**: Curries 16 gauge cased opening frame
- **Door**: Graham GPD-PC wood door with radius edge
- **Hinges**: Rixson 128-3/4 heavy duty center hung pivot set
- **Lock**: Sargent 8200 Series mortise lock with #65 privacy/safety function
- **Door Stop**: McKinney DS-6 emergency door stop
- **Strike**: McKinney DLS-8 double lipped strike

### 4. Operating Room Door (Single)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Curries 747 – 16 gauge steel stiffened door with narrow vision lite
- **Hinges**: McKinney T4A-T483789 swing clear hinges
- **Deadlock**: Sargent 4800 Series deadlock with #74 double cylinder function
- **Hospital Latch**: Sargent 281 Series hospital latch
- **Closers**: Sargent 250 Series closer
- **Overhead Holder/Stop**: Sargent 690 Series holder/stop

### 5. Janitorial/Mechanical/Telephone Room Door with 90 Minute Fire Rating (Pairs)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-FD 90 (90 minute) fire labeled wood door
- **Hinges**: McKinney TA3750 two knuckle hinges
- **Lock (active door)**: Sargent 8200 Series mortise lock with #04 storeroom function
- **Closers**: Sargent 12-2900 Series Fireguard hold open closers/smoke detectors
- **Power Supply**: Sargent 3510 Series power supply

### 6. Examination Room Door (Single)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-PC (20 minute) fire labeled wood door
- **Hinges**: McKinney TA3750 two knuckle hinges
- **Lock**: Sargent 8200 Series mortise lock with #15 passage function

### 7. Pharmacy
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-PC wood door
- **Hinges**: McKinney T4A-T483786 wide throw hinges
- **Lock**: Sargent Profile Series keypad/proximity mortise lock
- **Closers**: Sargent 351 Series closer

### 8. Reception from Treatment Area with 90 Minute Fire Rating
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-FD 90 (90 minute) fire labeled wood door
- **Hinges**: 2 McKinney T4A-T483786 wide throw hinges
1. McKinney T4A-T483786-CC wide throw hinge, concealed circuit electric type
- **Lock**: Sargent 8271 mortise lock with electric unlocking fail-secure function
- **Closers**: Sargent 281 Series closer with P10 arm
- **Switch**: Sargent momentary push button for lock release
- **Power Supply**: Sargent 3510 Series power supply

### 9. Restroom Doors (Single)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Curries 747 – 16 gauge door with narrow vision lite
- **Hinges**: McKinney TA3750 two knuckle hinges
- **Lock**: Sargent 8200 Series mortise lock with #65 privacy/safety function
- **Closers**: Sargent 281 Series closer

### 10. Stairway Doors with 90 Minute Fire Rating (Single)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Curries 747 – 16 gauge door with narrow vision lite
- **Hinges**: McKinney TA3750 two knuckle hinges
- **Exit Device**: Sargent 12-8800 Series rim exit device with #13 rim ET lever trim operation
- **Closers**: Sargent 281 Series closer with P10 arm

### 11. Office Doors (Single)
- **Frame**: Curries 16 gauge hollow metal frame
- **Door**: Graham GPD-PC wood door with narrow vision lite
- **Hinges**: McKinney TA2731 two knuckle hinges
- **Lock**: Sargent 8200 Series mortise lock with #05 office function
Healthcare Facility Applications
School/University Applications

1. **Auditorium/Cafeteria/Gymnasium Door with 90 Minute Fire Rating (Pairs)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Curries 747 – 16 gauge (90 minute) fire rated steel stiffened door with narrow vision lites
   - Hinges: McKinney TA3750 two knuckle hinges
   - Exit Devices: Sargent 12-MD8600 concealed vertical rod exit devices with #13 ET lever trim operation
   - Closers: Sargent 351 Series closers
   - Wall Magnets: Sargent 1560 Series wall magnets
   - Power Supply: Sargent 3530 Series power supply

2. **Auditorium/Cafeteria/Gymnasium Exterior Exit Door (Pairs)**
   - Frame: Curries 14 gauge Currisal frame
   - Door: Curries 847 – 14 gauge steel stiffened door
   - Hinges: McKinney MCK11-HD continuous hinges
   - Exit Devices: Sargent 8800 Series rim exit devices with #10 exit only AVT pull trim operation
   - Closers: Sargent 351 Series closers with P10 arms
   - Lockable Mullion: Sargent L980

3. **Classroom Door (Single)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Graham GPD-PC (20 minute) fire labeled wood door with narrow vision lite
   - Hinges: McKinney TA3750 two knuckle hinges
   - Lock: Sargent 8200 Series mortise lock with #38 security/classroom function
   - Closer: Sargent 351 Series closer

4. **Restroom Door (Single)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Graham GPD-PC wood door
   - Hinges: McKinney TA3750 two knuckle hinges
   - Lock: Sargent 8200 Series mortise lock with #38 security/classroom function
   - Closer: Sargent 351 Series closer

5. **Cross Corridor Double Egress Door with 90 Minute Fire Rating (Pairs)**
   - Frame: Curries 16 gauge double egress frame
   - Door: Curries 747 x Curristain - 16 gauge (90 minute) fire rated stainable hollow metal door
   - Hinges: McKinney PH-4 pocket hinges
   - Exit Devices: Sargent 12-MD8600 Series concealed vertical rod exit devices
   - Closers: Sargent 12-2407 Series Fireguard® hold open closers/smoke detectors
   - Power Supply: Sargent 3530 Series power supply

6. **Janitorial/Mechanical/Telephone Room Door with 90 Minute Fire Rating (Pairs)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Graham GPD-FD 90 (90 minute) fire labeled wood door
   - Hinges: McKinney TA3750 two knuckle hinges
   - Lock (active door): Sargent 8200 Series mortise lock with #04 storeroom function
   - Closers: Sargent 12-2900 Series Fireguard hold open closers/smoke detectors
   - Power Supply: Sargent 3510 Series power supply

7. **Office Door (Single)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Graham GPD-PC wood door with narrow vision lite
   - Hinges: McKinney TA2731 two knuckle hinges
   - Lock: Sargent 8200 Series mortise lock with #05 office function

8. **Stairway Door with 90 Minute Fire Rating (Pairs)**
   - Frame: Curries 16 gauge hollow metal frame
   - Door: Curries 747 x Curristain – 16 gauge door with narrow vision lites x stainable steel
   - Hinges: McKinney TA3750 two knuckle hinges
   - Exit Device: Sargent 12-8800 Series rim exit devices with #13 rim ET lever trim operation
   - Closers: Sargent 351 Series closers with P10 arms
School/University Applications
Commercial Office Building Applications

1. **Board Room (Pair)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-PC (20 minute) fire labeled wood door
   - **Hinges**: McKinney TA3750 two knuckle hinges
   - **Lock**: Sargent 8200 Series mortise lock with #05 office function and 8294 dummy trim

2. **Restroom Door (Single)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-PC wood door
   - **Hinges**: McKinney TA3750 two knuckle hinges
   - **Lock**: Sargent 8200 Series mortise lock with #15 passage function
   - **Closer**: Sargent 1430 Series closer

3. **Cross Corridor Double Egress Door with 90 Minute Fire Rating (Pairs)**
   - **Frame**: Curries 16 gauge double egress frame
   - **Door**: Curries 747 – 18 gauge (90 minute) fire rated hollow metal door
   - **Hinges**: McKinney PH-4 pocket hinges
   - **Exit Devices**: Sargent 12-MD8600 Series concealed vertical rod exit devices
   - **Closers**: Sargent 12-2407 Series Fireguard® hold open closer/smoke detectors
   - **Power Supply**: Sargent 3530 Series power supply

4. **Janitorial/Mechanical/Telephone Room Door with 90 Minute Fire Rating (Pairs)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-FD 90 (90 minute) fire labeled wood door
   - **Hinges**: McKinney TA3750 two knuckle hinges
   - **Lock (active door)**: Sargent 8200 Series mortise lock with #04 storeroom function
   - **Closers**: Sargent 12-2900 Series Fireguard hold open closer/smoke detectors
   - **Power Supply**: Sargent 3530 Series power supply

5. **Office Door (Single)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-PC wood door
   - **Hinges**: McKinney TA2731 two knuckle hinges
   - **Lock**: Sargent 8200 Series mortise lock with #05 office function x Coastal Series decorative levers

6. **Reception From Tenant Office Area Door with 90 Minute Fire Rating (Single)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-FD 90 (90 minute) fire labeled wood door
   - **Hinges**: 2 McKinney TA3750 two knuckle hinges
   - **Exit Device**: 1 McKinney TA3750 concealed circuit electric type two knuckle hinge
   - **Lock**: Sargent 8200 Series mortise lock with #04 storeroom function
   - **Closer**: Sargent 1430 Series closer with P10 arm
   - **Switch**: Sargent momentary push button/delay for strike release
   - **Power Supply**: Sargent 3510 Series power supply
   - **Electric Strike**: HES 1006 x fail-secure
   - **Power Controller**: HES 2005 Smart-Pac II

7. **Stairway Door with 90 Minute Fire Rating (Single)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Curries 747 – 16 gauge door with vision lite
   - **Hinges**: McKinney TA3750 two knuckle hinges
   - **Exit Device**: Sargent 12-8800 Series rim exit device with #13 rim ET lever trim operation
   - **Closer**: Sargent 1430 Series closer with P10 arm

8. **Closet & Storage Room Door (Single)**
   - **Frame**: Curries 16 gauge hollow metal frame
   - **Door**: Graham GPD-PC wood door
   - **Hinges**: McKinney TA2731 two knuckle hinges
   - **Lock**: Sargent 8200 Series mortise lock with #04 storage/service function
Commercial Office Building Applications

Schuham Builder’s Supply Company, Inc.

Hours of Operation: 7:30 am Until 4:00 pm
Phone: 773/286-0123 or 888/SCHUHAM
# Dimensions

## Single Door Openings

<table>
<thead>
<tr>
<th>Nominal Door Width</th>
<th>Outside Frame Dimensions</th>
<th>Masonry Opening</th>
<th>Drywall Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot; = 2'-0&quot; L*</td>
<td>28&quot;</td>
<td>26 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>26&quot; = 2'-2&quot; SP**</td>
<td>30&quot;</td>
<td>28 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>28&quot; = 2'-4&quot; L*</td>
<td>32&quot;</td>
<td>30 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>30&quot; = 2'-6&quot; SS</td>
<td>34&quot;</td>
<td>32 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>32&quot; = 2'-8&quot; L*</td>
<td>36&quot;</td>
<td>34 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>34&quot; = 2'-10&quot; SS</td>
<td>38&quot;</td>
<td>36 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>36&quot; = 3'-0&quot; SS</td>
<td>40&quot;</td>
<td>38 1/4&quot;</td>
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<tr>
<td>38&quot; = 3'-2&quot; SP**</td>
<td>42&quot;</td>
<td>40 1/4&quot;</td>
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<tr>
<td>40&quot; = 3'-4&quot; L*</td>
<td>44&quot;</td>
<td>42 1/4&quot;</td>
<td></td>
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<tr>
<td>42&quot; = 3'-6&quot; L*</td>
<td>46&quot;</td>
<td>44 1/4&quot;</td>
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<tr>
<td>44&quot; = 3'-8&quot; L*</td>
<td>48&quot;</td>
<td>46 1/4&quot;</td>
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</tr>
<tr>
<td>46&quot; = 3'-10&quot; SP**</td>
<td>50&quot;</td>
<td>48 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>48&quot; = 4'-0&quot; L*</td>
<td>52&quot;</td>
<td>50 1/4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

## Paired Door Openings

<table>
<thead>
<tr>
<th>Nominal Paired Door Width (x2)</th>
<th>Outside Frame Dimensions</th>
<th>Masonry Opening</th>
<th>Drywall Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot; (x2) = 48&quot; = 4'-0&quot; L*</td>
<td>52&quot;</td>
<td>50 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>26&quot; (x2) = 52&quot; = 4'-4&quot; SP**</td>
<td>56&quot;</td>
<td>54 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>28&quot; (x2) = 56&quot; = 4'-8&quot; SP**</td>
<td>60&quot;</td>
<td>58 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>30&quot; (x2) = 60&quot; = 5'-0&quot; L*</td>
<td>64&quot;</td>
<td>62 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>32&quot; (x2) = 64&quot; = 5'-4&quot; SP**</td>
<td>68&quot;</td>
<td>66 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>34&quot; (x2) = 68&quot; = 5'-8&quot; L*</td>
<td>72&quot;</td>
<td>70 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>36&quot; (x2) = 72&quot; = 6'-0&quot; SS</td>
<td>76&quot;</td>
<td>74 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>38&quot; (x2) = 76&quot; = 6'-4&quot; SP**</td>
<td>80&quot;</td>
<td>78 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>40&quot; (x2) = 80&quot; = 6'-8&quot; L*</td>
<td>84&quot;</td>
<td>82 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>42&quot; (x2) = 84&quot; = 7'-0&quot; L*</td>
<td>88&quot;</td>
<td>86 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>44&quot; (x2) = 88&quot; = 7'-4&quot; SP**</td>
<td>92&quot;</td>
<td>90 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>46&quot; (x2) = 92&quot; = 7'-8&quot; SP**</td>
<td>96&quot;</td>
<td>94 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>48&quot; (x2) = 96&quot; = 8'-0&quot; L*</td>
<td>100&quot;</td>
<td>98 1/4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

## Nominal Door Height

<table>
<thead>
<tr>
<th>Outside Dimensions</th>
<th>Masonry Opening</th>
<th>Drywall Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>80&quot; = 6'-8&quot;</td>
<td>82&quot;</td>
<td>81 1/4&quot;</td>
</tr>
<tr>
<td>84&quot; = 7'-0&quot;</td>
<td>86&quot;</td>
<td>85 1/4&quot;</td>
</tr>
<tr>
<td>96&quot; = 8'-0&quot;</td>
<td>98&quot;</td>
<td>97 1/4&quot;</td>
</tr>
</tbody>
</table>

## Frame Stock:

- 2" face is standard
- 1-1/2" face available in select jamb depths
- 2" headers are standard
- 4" headers available in select jamb depths

## Door Stock:

- SS: Standard Stock: 3068/3070, 21068/21070, 2668/2670
- L*: Limited Stock, call ahead to place order
- SP**: Special Made-To-Order from factory, call ahead for quote and lead times
Hollow Metal Doors and Frames

Doors

Composite

CURRIES® offers a complete line of composite type hollow metal doors in face sheet gauges ranging from 20 to 14. All CURRIES 607 and 707 Series doors are insulated as standard with fully bonded, durable polystyrene cores. The 727 Series Temperature Rise doors offer the maximum in fire and life safety as they feature either 250°F (121°C) or 450°F (232°C) ratings. Fire ratings are available from 20 minutes through 3 hours. CURRIES composite type doors have been tested to out-perform all test criteria available for physical endurance and cycle of use. The combined durability and economy of these doors make them a popular choice for a variety of uses.

Steel-Stiffened

CURRIES steel-stiffened doors are designed with the combination of perimeter steel channels and core stiffeners to offer the industry’s largest selection and most reliable and durable construction. They are used in areas where optimum security and susceptibility to vandalism and break-in are of paramount concern. Face sheets are available in gauges from 18 to 12, with door thicknesses of both 1-3/4” (44) and 2” (51). CURRIES 747, 777E, 847, and 857 Series doors offer a range of products suited for institutional and commercial security uses.

Frames

Masonry/Drywall

Knock-down masonry, drywall, and multi-use frames are available from CURRIES in series, profiles, face dimensions, gauges, and door opening sizes to fit most any need in the construction industry today. In addition, CURRIES and their distributors can modify and weld frames to expand the variety of frames available even further.

CCW Frame Components

Frame components used in the building of window walls, borrowed lites, transom frames, sidelites, and other custom configurations are available in an almost limitless array, allowing total design freedom in developing aesthetically pleasing, functional units as required by the demands of today’s architecture.
Specialty Frames

CURRIseal Frames

CURRIseal is an integrally gasketed, one piece hollow metal door frame. Gaskets installed in the integral kerf significantly reduce air flow between the door and frame. Assemblies can be fire rated up to 3 hours and have been tested by ANSI/NFPA 105, UL 1784, ASTM E-283, and UBC 3305 or UBC 1004.3.4.3.2.1 Test Criteria.

WM Series Frames – Masonry

Frames shall be WM Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvannealed steel (as specified) of 18, 16, or 14 gauge. Frames shall have a 1/8” (3) integral kerf formed into the frame soffit to receive CURRIES listed gasket sets. Joints are to be die-mitered with integral tabs for reinforcement and interlocking of the jambs to the head or frame or corners shall be full saw miter or saw butt end and have factory welded corners. Frames comply with NFPA 105 Smoke and Draft Control Door Assemblies, UL 1784 Air Leakage Test of Door Assemblies, ASTM E-283 Air Infiltration, and UBC 3305 Air Leakage Test of Door Assemblies; they can be UL listed fire door frames up to and including 3 hour ratings. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked on prime paint. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done in the field by others. Minimum requirements for hardware reinforcements are to be as follows: Hinge Reinforcing-7 gauge x 1-5/8” (41) x 10” (254), Lock Strike Reinforcing-14 gauge conforming to template requirements and closer reinforcing-12 gauge. All hardware must be compatible with CURRIES listing for this product.

WC Series Frames – Drywall

Frames shall be WC Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvannealed steel (as specified) of 18, 16, or 14 gauge. Frames shall have a 1/8” (3) integral kerf formed into the frame soffit to receive CURRIES listed gasket sets. Frames shall be knock-down, double return back bend (to prevent cutting into the wall) flush hairline seam miter at the corner of the head and the jamb, and the corner reinforced with a concealed clip. Each jamb is to have one compression anchor to securely hold the frame between the studs and maintain proper alignment. Frames comply with NFPA 105 Smoke and Draft Control Door Assemblies, UL 1784 Air Leakage Test of Door Assemblies, ASTM E-283 Air Infiltration, and UBC 3305 Air Leakage Test of Door Assemblies; they can be UL listed fire door frames up to and including 3 hour ratings. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked on prime paint. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done in the field by others.

Minimum requirements for hardware reinforcements are to be as follows: Hinge Reinforcing-7 gauge x 1-5/8” (41) x 10” (254), Lock Strike Reinforcing-14 gauge conforming to template requirements and closer reinforcing-12 gauge. All hardware must be compatible with CURRIES listing for this product.

Mercury Thermal Break Frames

Curries Mercury Thermal Break Frame cuts cold transmission and combats frost and condensation. This energy efficient frame incorporates a bonded thermal break with a Pemko 544 compression type weather-stripping. The Mercury thermally broken frame has been independently tested for thermal performance with Trio-E (U value of 0.41) and FRP doors (U value of 0.39) in accordance with NFRC 102-2014 and ASTM test methods. The frame was also tested for resistance to air infiltration with these same doors in accordance with NFRC 400 and ASTM test methods. In addition to thermal performance, frost and condensation on the interior door frame face are significantly reduced with a thermal break frame. This is accomplished with a true thermally broken frame profile and delivers maximum protection against cold penetration through conduction. Mullions used in hollow metal transom, sidelite and borrowed-lite frames feature the same new thermal break design.
**Specialty Frames**

**Mercury Thermal Break Frames (continued)**

Mercury Frames are to be fabricated of galvanealed steel of 16 or 14 gauge with a 5/8” high stop. Frames are supplied knock-down only (face or full weld) in maximum lengths of 8’0” for jambs and heads. Double rabbet frames are available for jamb depths 5-3/4” through 14”. Single rabbet frames are available for jamb depths 3-3/4” through 5-5/8”. Pemko S44 ships loose with frame to be field installed after finish paint. Anchor options are: wire anchor, split base anchor, split wood stud anchor or existing wall anchor.

**Frameworks Interior Aluminum Doors, Frames and Windows**

Frameworks brings new light to interior architecture with doors, frames and windows that pair custom and standard glazing options with an expansive range of aluminum frame design options to give you the flexibility to create distinctive interiors. Featuring smart modular design, snap-on trim, recessed glazing pockets and concealed fasteners – you will find that great design is in the details. Whatever your vision – angled, segmented or radiused – Frameworks can create it for new construction or retrofit.

**Frames**

Frameworks frames are manufactured to integrate into standard drywall partitions but can be adapted to accommodate varying wall conditions. We expertly engineer angled, segmented and radiused frame configurations to any specification. Choose standard or custom anodized finishes, or electrostatically applied painted finishes. Frames can arrive precisely pre-cut and individually packaged by opening for smart installation.
## Composite Core Doors

### 607 Series
- Insulated
- Rugged Perimeter Channel Construction

### 707 Series
- Insulated
- Rugged Perimeter Channel Construction
- Versatile/Dependable

### 727 Series
- Insulated
- Rugged Perimeter Channel Construction
- Temperature Rise Rated (250°)

### 737 Series
- Insulated
- Rugged Perimeter Channel Construction
- Bullet Resistant Level 2

### Standard Components

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>607</th>
<th>707</th>
<th>727</th>
<th>737</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge Rail and Reinforcement</td>
<td>1 3/4&quot; (44)</td>
<td>1 3/8&quot; (35) or 1 3/4&quot; (44)</td>
<td>1 3/4&quot; (44)</td>
<td>1 7/8&quot; (48)</td>
</tr>
<tr>
<td>Lock Rail</td>
<td>Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent</td>
<td>Full Height Channel, 14 Gauge Extruded* to 10 Gauge Equivalent or 12 Gauge Extruded to 7 Gauge Equivalent</td>
<td>Full Height Channel 12 Gauge Extruded* to 10 Gauge Equivalent</td>
<td>Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent</td>
</tr>
<tr>
<td>Top Channel</td>
<td>16 Gauge</td>
<td>16 Gauge</td>
<td>16 Gauge</td>
<td>16 Gauge</td>
</tr>
<tr>
<td>Bottom Channel</td>
<td>18 Gauge</td>
<td>18 Gauge</td>
<td>18 Gauge</td>
<td>18 Gauge</td>
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<tr>
<td>Core</td>
<td>Insulating Polystyrene</td>
<td>Insulating Polystyrene Std. Polyurethane Optional</td>
<td>Mineral Core (UL Listed) Fire Door Core</td>
<td>Polystyrene</td>
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<td>Insulation</td>
<td>Polystyrene</td>
<td>Polystyrene</td>
<td>Polystyrene</td>
<td>Polystyrene</td>
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<tr>
<td>Face Skins</td>
<td>20, 18 Gauge</td>
<td>20, 16, 16, 14 Gauge</td>
<td>18, 16 Gauge</td>
<td>15, 14 Gauge Bullet Resistant Plating</td>
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<tr>
<td>Sizes Available</td>
<td>2068 - 4070</td>
<td>2068 - 50100</td>
<td>2068 - 4080</td>
<td>40100 Maximum</td>
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<td>Galvanize Options</td>
<td>—</td>
<td>A 60, G 90</td>
<td>A 60, G 90</td>
<td>A 60, G 90</td>
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<td>SDI 100 Level / Model ANSI A250.8</td>
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<td>1, 2, 3, 4/1, 2</td>
<td>2, 3/1, 2</td>
<td>3, 4/1, 2</td>
</tr>
</tbody>
</table>

* 14 gauge steel extruded to provide equivalent thread depth of 10 gauge tapped holes.
† 12 gauge steel extruded to provide equivalent thread depth of 7 gauge tapped holes.

**NOTE:** Closer reinforcements as detailed here are optional.
607 SERIES SPECIFICATIONS

Doors shall be 607 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 18, 20 (specify gauge) cold rolled stretcher leveled steel. All doors shall be full flush construction 1-3/4” (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid polystyrene foam board permanently bonded to the inside of each face skin. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (607S). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 14 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8” (3) in 2” (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

707 SERIES SPECIFICATIONS

Doors shall be 707 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, 18, 20 (specify gauge) cold rolled stretcher leveled steel or galvannealed steel (specify). All doors shall be full flush construction and either 1-3/4” (44) or 1-3/8” (35) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid polystyrene foam board permanently bonded to the inside of each face skin. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (707S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (707N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door and filled and ground smooth (707T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 14 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8” (3) in 2” (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

NOTE: CURRIES bullet resistive frames must be used with these doors.
Steel Stiffened Core Doors

**747 Series**
- Rugged Perimeter Channel Construction
- Steel Stiffened

**757 Series**
- Insulated
- Rugged Perimeter Channel Construction
- Steel Stiffened

**777E Series**
- Rugged Perimeter Channel Construction
- Steel Stiffened
- Sound Rated Assembly
- Meets Commercial Security Specifications
- STC48 and STC45

**847 Series**
- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications

**857 Series**
- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications

---

**Standard Components**

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>747</th>
<th>757</th>
<th>777E</th>
<th>847</th>
<th>857</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/4&quot; (44)</td>
<td>1-3/4&quot; (44)</td>
<td>1-3/4&quot; (44)</td>
<td>1-3/4&quot; (44)</td>
<td>2&quot; (51)</td>
<td></td>
</tr>
</tbody>
</table>

**Hinge Rail and Reinforcement**
- Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent
- Full Height Channel 16 Gauge Inverted to 7 Gauge Equivalent

**Lock Rail**
- Full Height Channel 14 Gauge
- Full Height Channel 16 Gauge Inverted

**Top Channel**
- 16 Gauge
- 15 Gauge
- 16 Gauge
- 16 Gauge/Plus Flush Top

**Bottom Channel**
- 16 Gauge
- 12 Gauge
- 16 Gauge
- 14 Gauge

**Core**
- Steel Stiffened
- Sound Retarding
- Steel Stiffened
- Steel Stiffened

**Stiffener Gauges**
- 20 Gauge
- 18 Gauge
- 18 Gauge
- 18 Gauge

**Stiffener Spacings**
- 6" (152) on Vertical Supported Center Lines
- 5" (127) on Vertical Supported Center Lines
- 5" (127) on Vertical Supported Center Lines
- 4" (102) on Vertical Supported Center Lines

**Stiffener Welding**
- Vertically to Face Skins
- Vertically to Face Skins
- Vertically to Face Skins
- Vertically to Face Skins

**Insulation**
- Fiberglass Between Stiffeners
- Foam in place Polyurethane
- Fiberglass Between Stiffeners
- Fiberglass Between Stiffeners

**Face Skins**
- 18, 16, 14 Gauge
- 16, 14 Gauge
- 18 or 16 Gauge
- 14 Gauge

**Sizes Available**
- 2086-50100
- 4080 Maximum
- 2086-50100
- 2086-4080

**Galvanize Options**
- A-60, G-90
- A-60, G-90
- A-60, G-90
- A-60

**SDI 100 Level / Model ANSI A250.8**
- 2, 3, 4/1, 2
- 3/1, 2, 4/1, 2
- 3/1
- 4/1, 2

**Fire Label Ratings**
- 12 gauge steel extruded to provide equivalent thread depth of tapped holes.

**NOTES:**
2. Closer reinforcements as detailed here are optional.

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**CURRIES®**

**NOTE:**
Closer reinforcements as detailed here are optional.
**747 SERIES SPECIFICATIONS**

Doors shall be 747 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, 18, (specify gauge) cold rolled stretcher leveled steel or galvannealed steel (specify). All doors shall be full flush construction and 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with continuous 20 gauge vertical steel stiffeners spaced not more than 6" (152) apart. The stiffener ends shall be welded together at the top and bottom ends. All spaces between stiffeners shall be insulated with .75 pound density fiberglass insulation. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (747S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (747T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

**777E SERIES SPECIFICATIONS**

1-3/4" Thick steel doors shall be as manufactured by Curries, Mason City, IA USA. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8 & HMMA 867. TRIO-E doors are made full-flush or (optional) seamless style. Face sheets are commercial quality cold rolled steel conforming to ASTM A924 and A653. TRIO-E full-flush doors have mechanically interlocked, hemmed, hairline seams on vertical edges and have no visible seams on faces (S.D.I. Model 1). Doors specified “seamless” have no visible seams on faces or vertical edges (S.D.I. Model 2). Face sheets are supported by a steel stiffened laminated core with polyurethane filler. 22 gauge stiffeners are placed no more than 6" apart and welded no more than 5" O.C. along their length to a 22 gauge liner plate. The core fills the entire door cavity and is chemically bonded to all interior surfaces. Density of foam exceeds 1.8 pcf and it has a crush strength of 3600 psf. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets. Hardware Provisions: Hinge preparations are handied. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which), 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edge has a standard bevel (1:16) and is prepared for Gov. series 86 or 160/161 locks in accordance with ANSI A115 (specify which). Optional closer reinforcement is a 14 gage steel channel. Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. Curries Pre-Finish coat is also available from a selection of standard color (optional). Curries Pre-Finish is electrostatically applied, oven-cured urethane enamel, and shall conform to ANSI A250.3. For accurate color selectors ask for a Curries Standard Pre-Finish Colors chart.

**847 SERIES SPECIFICATIONS**

Doors shall be 847 Series 14 gauge cold rolled or galvannealed steel as manufactured by CURRIES, Mason City, Iowa. Doors shall comply with specifications defined herein for Commercial Security Hollow Metal Doors and Frames. Doors shall have passed performance criteria set forth by nationally recognized standards such as HMMA 862. Removable glazing stops are to be 18 gage concealed type. Doors shall be 2" (51) thick and reinforced with 18 gage stiffeners welded to each face skin (102) on center with spot welds (102) on center the full height of the door. The stiffener ends are to be welded together the full width of the supporting web span at the top and bottom of the door. The standard core shall be insulating and sound-deadening 1 lb density fiberglass insulation. The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 14 gauge top and 16 gauge bottom channels. The top of the door shall be flush with an additional 18 gauge channel welded in place. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and hinge edge. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (857S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (857T) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (847T). Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders 12 gauge channels – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.
FRP Specifications
Fiberglass Reinforced Polyester (FRP) Door System

CURRIES is proud to introduce the FRP Door System, a Fiberglass Reinforced Polyester (FRP) door and aluminum frame intended primarily for exterior openings such as restaurants and schools in high use areas, as well as anywhere a strong, lightweight opening is required to withstand abuse.

Doors
FRP Door skins are .120” thick and are available with class “C” (exterior) or class “A” (interior) skins. Features include 6063-T6 aluminum alloy perimeter extrusions and water-blown Polyurethane core, foam in place. Dimensions: 4’0” x 8’0” Singles and 8’0” x 8’0” Pairs and are 1-3/4” thick with square and 3 degree bevels available. Hinges: 4-1/2” butt, continuous and offset pivots. Latchsets include cylindrical, mortise, deadbolt, flush pull, rim exit, and SVR, with or without ElectroLynx. Additional options include factory installed flush pull and automatic door bottom option; aluminum windows kits available up to 1296 square inches for 1/4”, 1/2” and 1” thick glass; and factory installed aluminum louvers available in 12” x 12” and 24” x 24” sizes in clear finish. Doors come standard with flush top cap. Bottom-cap sweeps are available. Optional closer reinforcement available. Labels: Fire rated and hurricane resistant door options.

Door Faces and Colors:
Pebble Embossed Faces:
(Nine standard colors)
- Black
- Dark Gray
- Light Gray
- Forest Green
- Brick Red
- Tan
- Colonial Blue
- White
- Dark Bronze

Fieldstone Embossed Faces:
(Five standard colors)
- Dark Bronze
- Light Gray
- Red
- Tan
- White

Door Edges, Frame, and Window Kit Colors:
- Black
- Dark Bronze
- Clear

FRP Features and Benefits:
- Modern materials and durable construction reduce life cycle costs
- Durable finish reduces maintenance costs over time
- Door skin cleans easily
- Exceptional thermal performance (U-0.26 sealed in place, U-0.35 operable) helps reduce energy usage
- Lightweight doors extend life of the entire entrance system
- Cycle slam tested at 15 cycles per minute to over 10 million cycles
- Fire rated up to 90 minutes singles and pairs with stainless steel edges and window kits
- Hurricane resistant up to +/- 70 PSF singles with cylindrical, mortise and exit hardware
Hollow Metal Doors
Lite Kits and Louvers

Doors 1-3/4” thick, #18 gauge cold rolled steel. Mortised and reinforced for 1-1/2” pair of 4-1/2” full mortise template hinges (2pr. for 8’-0” Hgt.) Class “A”, “B”, “C”, “D”, & “E” Underwriter’s labels available. Doors prepared for cylindrical lock (Gov’t 161) or mortise lock (Gov’t 86).

Inactive doors are prepared for mortise flush bolts, and ASA 4-7/8” strike. All doors reinforced for surface closers both sides. Manufacturer description below illustration. (i.e., A standard flush door is: F)

Prime coat finish.

* 1/4” (6) glass only.
Partitions

Wilson Partitions provides prefinished interior aluminum doors, frames, sliders and glazing systems for the most sophisticated commercial interior projects. Innovative designs, superior quality and unparalleled customer service set Wilson apart as the leader in interior aluminum framing systems.

The Original Aluminum Frame
Complete systems for 3-3/4" and 4-7/8" partitions
Will accommodate 1/4" and 3/8" glass
Preferred by many installers due to minimal parts and pieces.

Standard Finishes:
Clear Anodized
Bronze Paint
Black Paint

Snap-On Trim Profile System
The most versatile system complete systems for 3-1/2", 3-3/4", 4-5/8", 4-7/8", 5", 5-1/4", 6-1/8" and 7-1/4" partitions
Expandable frames for 3" to 9-1/2" partitions
Most systems will accommodate 1/4", 3/8" and 1/2" glass
20-90 minute ratings available
No exposed fasteners
Available in 1", 1-1/2", 2", 3", 4" and 6" trim
Available to be installed after the walls are finished which makes it perfect for time-sensitive projects.

Standard Finishes:
Clear Anodized
AB-6 Dark Bronze Anodized
AB-8 Black Anodized
Barn Door Sliders—Ideal for Saving Space

- Compatible with all of the Wilson framing systems
- Soft open and close hardware included
- Meets ADA 5lb open force requirements
- For use with wide stile aluminum doors by Wilson Partitions or wood doors by others
- Locking hardware available
- No threshold required

Flush Slider System—The Ultimate in Linear Design

- Easy interfaces with our Snap-on Trim systems
- Available for 3-3/4" and 4-7/8" partitions
- For use with narrow, medium or wide stile doors by Wilson Partitions or wood doors by others
- Screw spline installation
- Locking hardware available
- No threshold required

Aluminum Doors—Bring more light into your interior

- Standard narrow 2-1/2", medium 4", and wide stiles 5-1/2"
- 10" bottom rails available
- Intermediate horizontals available
- Shipping prepped for most hardware for simple installations
- Prefinished to match our framing
- Hardware can be furnished upon request

Available Finishes:

Anodized Finishes—Architects and designers specify Wilson Partitions anodized aluminum finishes for their strength, durability, beauty and superior quality. Our in-house anodizing line offers 9 different finishes.

Painted Finishes—In-house paint line offers industry standard white, bronze and black painted finishes. Will match all custom color painted finishes.

Eco-friendly paint line captures 100% of VOC’s (Volatile Organic Compounds), which are funneled into a thermal oxidizer destroying 99.3% of all VOC’s during the painting process.
Architectural
Wood Door Division

We Offer:

Experienced Sales Staff

Quality Graham Flush Wood Doors from ASSA ABLOY Wood Doors

Warnock Hershey Certified (Fire Rated Doors)

Stock Sizes:

- 6’8”, 7’0”, 8’0” heights, Up to 4’0” widths: in Plain Red Oak & Rotary Natural Birch
- 9’0” heights, up to 3’0” widths: in Plain Red Oak & Rotary Natural Birch, Flat Cut Honduras Mahogany, Plain Sliced White Maple
- Call for lead time on stock fire rated doors

Custom Door Sizes

Custom Preparations

Matching of your door to your specifications

Pre-Hung 1-3/4” solid core doors 2’6” x 6’8”

thru 3’0” x 9’0” in above doors with:

- Poplar or Oak 4-7/8” jamb standards
- Ranch or Colonial Casing
- Ranch, Colonial, or Square stops
- Custom Casing is available
- Call for quote and lead-time

Pre-Finished Doors:

- Available by Special Order
- Call for quote and lead-time

Residential 1-3/8” Thick Doors:

- Available by Special Order
- Call for quote and lead-time

Hardware preparations are machined on our KVAL “EDGE” CNC machine, producing precision detailing every time, allowing easy installation on the job.

Our SL1 Air Lift eliminates cross grain scratching on every door handled.

Schuham’s roll top table saw, equipped with a pre-scoring blade, cuts the veneer prior to the main blade hitting the finished surface, thus eliminating veneer chip out.

DL-2 Lite Machine:

Cut sizes from 6”x6” to 24”x96”

Metal Lite Kits or Wood Lite Kits: lipped or flush

Species: Oak, Birch, Maple, Alder, Mahogany.
ASSA ABLOY Wood Doors offer a wide selection of Graham Flush Wood Doors including fire rated, acoustical, pairs, decorative, dutch, wicket, transoms, and accessories such as lite kits, louvers, applied mouldings, and machining.

Graham Flush Wood Doors meet or exceed WDMA and AWS performance criteria. We offer doors with 20, 45, 60, and 90 minute fire ratings and acoustical doors with STC ratings from 27 to 46. Additionally, Graham Flush Wood Doors can contribute to “green building” with recycled content, regional materials, rapidly renewable materials, FSC certified wood, and/or no added urea-formaldehyde.

Graham Flush Wood Doors are manufactured at the ASSA ABLOY Mason City facility in Mason City, Iowa, utilizing the latest in wood door manufacturing technology. Computerized bonding of components and an ultraviolet cured finish system are only two examples of the advanced technologies being employed in the production of Graham Flush Wood Doors. Product construction and diversity of materials usage ensures that the most critical engineering and life safety requirements will be met.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>TYPE/SPECIES</th>
<th>CLASS</th>
<th>FIRE RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3’0” x 6’8”</td>
<td>BIRCH SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>3’6” x 7’0”</td>
<td>BIRCH SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>4’0” x 7’0”</td>
<td>BIRCH SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>3’0” x 6’8”</td>
<td>BIRCH SLAB SC WOOD 3/3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2’6” x 7’0”</td>
<td>BIRCH SLAB w/6” BOTTOM RAIL</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3’0” x 7’0”</td>
<td>BIRCH SLAB SC WOOD DOOR</td>
<td>-</td>
<td>-</td>
</tr>
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<td>3’0” x 8’0”</td>
<td>MAHOGANY SLAB SC WOOD DOOR</td>
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<td>3’0” x 9’0”</td>
<td>MAPLE SLAB PLAIN SLICED WHITE</td>
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<td>-</td>
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<td>3’0” x 8’0”</td>
<td>CHERRY SLAB PLAIN SLICED</td>
<td>-</td>
<td>-</td>
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<td>3’0” x 6’8”</td>
<td>OAK SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>3’6” x 7’0”</td>
<td>OAK SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>4’0” x 7’0”</td>
<td>OAK SLAB 90 MINUTE</td>
<td>B</td>
<td>1 ½ Hr</td>
</tr>
<tr>
<td>3’0” x 6’8”</td>
<td>OAK SLAB SC WOOD DOOR 3/3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2’6” x 7’0”</td>
<td>OAK SLAB w/6” BOTTOM RAIL</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3’6” x 7’0”</td>
<td>OAK SLAB SC WOOD DOOR</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4’0” x 7’0”</td>
<td>OAK SLAB SC WOOD DOOR 3/3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3’0” x 7’0”</td>
<td>WALNUT SLAB</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>
Premium Quality Construction

Graham Flush Wood Doors are all bonded construction and diverse use of materials result in a product assortment that meets the most demanding specifications. Fire rated products tested for UL 10B neutral pressure or UL 10C positive pressure are available.

GRAHAM Premium Door (GPD)

Standard Features
- All bonded construction up to 10’0” tall
- Meets WDMA I.S.1-A premium grade
- Face veneer meets WDMA “A” grade
- Face veneer minimum 1/50” thick
- Type 1 adhesives – face to core
- Adhesives contain no formaldehyde
- Stile face matches face veneer
- Limited Lifetime Warranty

Options
- “AA” grade face veneers
- Core Types
  - PC – Particle
  - EC – Engineered Composite
  - SL – Staved Lumber
  - FD 45/60 – Mineral
  - FD 90 – Mineral
  - IH – Institutional Hollow
- Internal blocking wood or fire rated mineral
- Available in most commercially available species

Standard Vision Panel Sizes/Locations

Specify vision panel or louver dimensions at time of order.

Vision panels exceeding 40% of the area of the door face void manufacturers’ warranties.

GRAHAM Custom Door (GCD)

Standard Features
- All bonded construction up to 10’0” tall
- Meets WDMA I.S.1-A custom grade
- Face veneer meets WDMA “A” grade
- Face veneer minimum 1/50” thick
- Type 1 adhesives – face to core
- Adhesives contain no formaldehyde
- Stile face is neutral hardwood
- Limited Lifetime Warranty

Options
- Core Types
  - PC – Particle
  - EC – Engineered Composite
  - SL – Staved Lumber
  - FD 45/60 – Mineral
  - FD 90 – Mineral
  - IH – Institutional Hollow
- Internal blocking wood or fire rated mineral
- Available in most commercially available species

Standard Louver Sizes/Locations

Assa Abloy Wood Doors provides louvers in either V-slat wood, V-slat metal, or fusible link metal profiles for applications in fire rated or non-fire rated doors.
**Meeting Edge Options**

**General Moulding Requirements**
- Species shall match or be compatible with face veneer or laminate
- Specify transparent or opaque finish.
- Moulding shall be free of open defects, shake, splits, or doze
- Moulding must be smooth and free of visible knife, saw or sanding marks
- Specify from the options below:

<table>
<thead>
<tr>
<th>No Bevel</th>
<th>Bevel</th>
<th>Rabbeted</th>
<th>Parallel Bevel</th>
<th>Metal Edge Guards/Astragal</th>
<th>Metal Edge Guards</th>
<th>Flat Astragal</th>
</tr>
</thead>
</table>

**Glazing Options**

**Graham Standard Minimums**
- All cutouts for metal or wood vision panels must be a minimum of 5” from the edge of the door and/or other cutouts for louvers, locks, closers or other hardware.
- This 5” distance must be maintained or the fire label and warranty will be voided. For non-fire rated doors, the distance may be decreased to 5”. Less than 5” may affect the warranty
- Using a 10” margin between the edge of the door and the edge of any cutout near the lock area will eliminate most label and warranty conflicts.

**Lip Moulding for Lites**

1. Matching specie to door face veneer for Premium grade. For use with 1-3/4” thick doors.
   - **M2G** - Flat Lip Moulding 15/16” wide x 5/8” thick, 3/32” radius.
   - **M3G** - Beveled Lip Moulding 15/16” wide x 3/8” thick, 3/32” radius
2. Wire Brad - Lip Moulding is factory attached.
3. 1/4” Glazing - Glazing materials are not included.
4. Beveled back for glazing compound or 1/16” tape (not included).
5. Lites - Order size - visible glass size
   - Cutout size = visible glass + (2 x moulding profile)
   - Glass size = cutout - 1/4” wide - 1/4” high

**Flush Moulding for Lites**

1. Matching specie to door face veneer for Premium grade. For use with 1-3/4” thick doors.
2. Wire Brad - Flush Moulding is factory attached.
3. 1/4” Glazing - Glazing materials are not included.
4. Beveled back for glazing compound or 1/16” tape (not included).
5. Lites - Order size - visible glass size
   - Cutout size = visible glass + (2 x moulding profile)
   - Glass size = cutout - 1/4” wide - 1/4” high

**Note:** Custom shapes for specialty lites must be specified for visible glass size and cutout size.

**General Moulding Requirements**
- Species shall match or be compatible with face veneer or laminate
- Moulding shall be free of open defects, shake, splits, or doze
- Moulding must be smooth and free of visible knife, saw or sanding marks
Fire Rated Vision Panels

Architectural Accessories Details for Wood Doors

Fire Rated Flush Wood Moulding for Lites

1. Available with 45 or 60 minute fire rated (mineral core) doors.
2. Factory installed: glass, glazing material, glazing bead, clips, nails, provided.
3. Flush Moulding Profile: MF3
5. Glass: 1/4" thick nominal wired glass or 3/16" thick nominal ceramic
   Cutout Size and Glass Size: (100 in² maximum)
   Cutout Width = Visible Glass Width + 1.500"
   Cutout Height = Visible Glass Height + 1.500"
   Glass Width = Visible Glass Width + 1.375"
   Glass Height = Visible Glass Height + 1.375"

Fire Rated Metal Vision Panel

1. 1M110 Metal Vision Frame – Fire rated for 20, 45, 60 and 90 minute fire door applications. 18 gauge steel with mitered, round corners that are braced and welded. Available wood veneer wrapped as an option. Low profile for hardware clearance.
2. Metal frame and glazing support clip.
3. Vandal proof binder screw.
4. For 1/4" thick listed glazing (not included).
   Note: No glazing compound or tape is required. Not Factory installed.
5. Fire rated metal vision panels will be factory installed.
   Lites – Order size = Cutout size = visible glass size
   Cutout size = visible glass size + 1-1/2" wide + 1-1/2" high
   Glass size = visible glass size + 3/4" wide + 3/4" high
6. Listed for UL10b and UL10c.

20 Minute Moulding for Lites

1. Matching species to door face veneer for Premium grade. For use with 1-3/4" thick 20 minute rated fire doors.
   M2L – Beveled Lip Moulding 1" wide x 3/4" thick.
   M2F – Beveled Flush Moulding 3/4" wide x 1/2" thick.
2. Metal glazing support clip.
3. Glazing compound or tape required for proper fit (not included).
4. For 1/4" thick listed glazing (not included).
   Size are visible glass size. Cutouts are 1" larger in width and height. Custom shapes for specialty lites must be specified for visible glass size and cutout size.
   Lites - Order size = visible glass size
   Cutout size = visible glass size + (2 x moulding profile)
   Glass size = cutout-1/4" wide – 1/4" high
5. Listed for UL10b and UL10c.
Louver Units

1. L100 Wood Non-Vision Louver Unit - 3/4" wide, 33% free air movement. Matching specie to door face veneer for Premium grade. For use with 1-3/4" thick doors. Specify louver size the same as cutout size. 1-3/8" thick doors require framed louvers. **Louvers may not be installed in 20 minute fire doors.**
   - M2W - Flat Lip Moulding 11/16" wide x 5/8" thick, 3/32" radius.
   - M6W - Flush Moulding 7/16" wide x 3/8" thick, 3/32" radius
2. Wire Brad - Mouldings are factory attached. Louvers are not factory installed as standard. Louvers may be factory installed as an option.
3. Field installation may require the use of glazing tape for proper fit.

A variance in the downset of flush mouldings may occur due to allowable tolerance deviations of components.

V-Slat Wood Louver

1. L1900A Framed Metal Non-Vision Louver Unit - Fire rated fusible link unit for use with 45, 60 or 90 minute fire doors. 1-3/4" wide. 135 degree F fusible link. 40% free air movement. For use with 1-3/4" thick doors only. Not factory installed. **Louvers may not be installed in 20 minute fire doors.**
   - M2M - Flat Lip Moulding 9/16" wide x 5/8" thick, 3/32" radius.
   - M6M - Flush Moulding 5/16" wide x 3/8" thick, 3/32" radius
2. Wire Brad - Mouldings are factory attached. Louvers are not factory installed. Louvers may be factory installed as an option.
3. Field installation may require the use of glazing tape for proper fit.

V-Slat Metal Louver

1. L600 Metal Non-Vision Louver Unit - 1-1/16" wide, 20 gauge steel, 50% free air movement. For use with 1-3/4" thick doors. 1-3/8" thick doors require framed louvers. Louver cutout is 1/8" less than order size. **Louvers may not be installed in 20 minute fire doors.**
   - M2M - Flat Lip Moulding 9/16" wide x 5/8" thick, 3/32" radius.
   - M6M - Flush Moulding 5/16" wide x 3/8" thick, 3/32" radius
2. Wire Brad - Mouldings are factory attached. Louvers are not factory installed. Louvers may be factory installed as an option.
3. Field installation may require the use of glazing tape for proper fit.

Metal Fusible Link Louver

1. L1900A Framed Metal Non-Vision Louver Unit - Fire rated fusible link unit for use with 45, 60 or 90 minute fire doors. 1-3/4" wide. 135 degree F fusible link. 40% free air movement. For use with 1-3/4" thick doors only. Not factory installed. **Louvers may not be installed in 20 minute fire doors.**
2. Steel mounting frame overlaps door face 1".
3. Through bolt applied. Security screws are available by option.
4. Metal fusible link louvers will not be factory installed.
Air Louvers

Vision Lite Kits & Non-Vision Metal Louvers

VLF-EZ Vision Lite

- Beveled Vision Lite
- Self-Attaching
- 20 gauge CRS Frame
- Single Side Fasteners
- For Fire Rated Doors
- Glazing marked w/ Warnock Hersey (WHI) or UL classification
- Glass Sizes: ½” to ½”
- Frame Trim: 1-½”

Min Size 3” x 3”, Max 60” x 104”. Visible light is 2” under rough opening size. Trim corners are mitered and welded. Continuous glass retainer, counter-sunk mounting holes in the bevel on non-corridor side. 3/8” projection from door. Fasteners: #8 x 1” flathead phillips SMS to match finish.

FIRE-RATING, TESTING & LISTINGS: When installed in properly rated/approved door, with rated/approved glass, ratings up to 3 hours can be achieved. Tested and Listed for UL 10C and Criteria of UBC 7-2 Positive Pressure.

<table>
<thead>
<tr>
<th>Lite Kit Size</th>
<th>Exposed Glass Sq. In.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6”</td>
<td>16</td>
<td>4” x 4”</td>
</tr>
<tr>
<td>12” x 12”</td>
<td>100</td>
<td>10” x 10”</td>
</tr>
<tr>
<td>5” x 20”</td>
<td>54</td>
<td>3” x 18”</td>
</tr>
<tr>
<td>5” x 35”</td>
<td>99</td>
<td>3” x 33”</td>
</tr>
<tr>
<td>6” x 27”</td>
<td>100</td>
<td>4” x 25”</td>
</tr>
<tr>
<td>7” x 22”</td>
<td>100</td>
<td>5” x 20”</td>
</tr>
<tr>
<td>8” x 36”</td>
<td>204</td>
<td>6” x 34”</td>
</tr>
<tr>
<td>20” x 30”</td>
<td>504</td>
<td>18” x 28”</td>
</tr>
<tr>
<td>24” x 24”</td>
<td>484</td>
<td>22” x 22”</td>
</tr>
<tr>
<td>24” x 30”</td>
<td>616</td>
<td>22” x 28”</td>
</tr>
<tr>
<td>24” x 36”</td>
<td>748</td>
<td>22” x 34”</td>
</tr>
<tr>
<td>24” x 60”</td>
<td>1276</td>
<td>22” x 58”</td>
</tr>
<tr>
<td>24” x 62”</td>
<td>1276</td>
<td>22” x 58”</td>
</tr>
<tr>
<td>24” x 64”</td>
<td>1364</td>
<td>22” x 62”</td>
</tr>
<tr>
<td>24” x 66”</td>
<td>1408</td>
<td>22” x 64”</td>
</tr>
</tbody>
</table>

800-A1 Louver

- Non-vision
- 18 gauge CRS frame
- Louvers with 1” blade spacing are attached by interlocking construction to the 1” deep, welded frame
- Inverted “Y” blades recommended for Schools, Class “A” and Institutional Buildings
- 20 gauge Blades
- Frame Trim: 1-½”

Min size 6” x 4”, Max 48” x 80”. Multiple sections can be combined for larger sizes. Frame/Trim Corners are mitered and welded. Fasteners: Phillips head screws #8 x 3/4” to match finish. Screws fasten through frame into louver core, leaving corridor side of frame free of fasteners.

FREE FLOW AREA: 50% free area.

<table>
<thead>
<tr>
<th>Size</th>
<th>Free Area (Sq. In.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” x 12”</td>
<td>72</td>
</tr>
<tr>
<td>18” x 12”</td>
<td>108</td>
</tr>
<tr>
<td>20” x 12”</td>
<td>120</td>
</tr>
<tr>
<td>24” x 12”</td>
<td>144</td>
</tr>
<tr>
<td>24” x 24”</td>
<td>288</td>
</tr>
<tr>
<td>24” x 36”</td>
<td>768</td>
</tr>
</tbody>
</table>

1900-A Louver

- Non-vision
- 18 gauge CRS frame
- Louvers with 1” blade spacing are attached by interlocking construction to the 1” deep, welded frame
- Inverted “Y” blades recommended for Schools, Class “A” and Institutional Buildings
- 20 gauge Blades
- Frame Trim: 1-½”

Min size 6” x 4”, Max 48” x 80”. Multiple sections can be combined for larger sizes. Frame/trim corners are mitered and welded. Fasteners: Phillips head screws #8 x 3/4” to match finish. Screws fasten through frame into louver core, leaving corridor side of frame free of fasteners.

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<tbody>
<tr>
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<td>108</td>
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<td>20” x 12”</td>
<td>120</td>
</tr>
<tr>
<td>24” x 12”</td>
<td>144</td>
</tr>
<tr>
<td>24” x 24”</td>
<td>288</td>
</tr>
</tbody>
</table>

Air Louvers General Info:
- Glass is 1” under order size.
- Doors 1-3/4” thick, Any Style, Door cutout = order size.
- Doors 1 3/8”-1 3/4” thick, 800CORE, 800C, 800A.

Air Louvers Finish Options:

<table>
<thead>
<tr>
<th>Powder Coat Finish</th>
<th>VLF-EZ</th>
<th>800-A1</th>
<th>1900-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>(B) Mineral Bronze</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(G) Gray (stock colors)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(BK) Black</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(FBK) Flat Black</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(W) White</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(SC) SC Beige</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(Si) Silver</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(R) Red</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(S) Sand</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(AB) AMS Beige</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>(GH) Gray Hammertone</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

Air Louvers General Info:
- Glass is 1” under order size.
- Doors 1-3/4” thick, Any Style, Door cutout = order size.
- Doors 1 3/8”-1 3/4” thick, 800CORE, 800C, 800A.
Kits are for wood or metal doors, they have tight mitered corners, no visible welds, countersunk mounting holes and corridor side of frame free of fasteners. For 1 3/4" doors is standard, and for AFDL & FDLI only 1 3/4" doors though 1 3/4", 2" and 2 3/8" are available. **Finish**: Bronze Bakes Enamel (SBS stocked), Grey Primer, or Beige. **Fasteners**: Uses metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame or louver, thus eliminating the need to drill the door for thru bolts and saving installation time and labor.

### LO-PRO™ METAL VISION FRAME

Low profile vision frame. made of 20 GA. Cold Rolled Steel. Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look. Leaves corridor side free of fasteners. For Exterior, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel. For 1 3/4" thick Wood or Metal Doors. Proper clearance between vision lite and lock prep must be obtained.

**GLAZING**: Must be used with FIRELITE Plus of NT 1/4", 3/16" or 5/32" fire and/or safety rated with U.L. and/or WH.I. classification markings; and Fire listed glazing tape, space of 3/8" allows for glazing tape to be used on both sides of the glass. **U.L. & WH.I. classification markings Positive Pressure**:

**FIRE RATINGS**

<table>
<thead>
<tr>
<th>Visible Lite</th>
<th>Max. W x H</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Minute*</td>
<td>3204 sq. in. 36&quot; x 89&quot;</td>
</tr>
<tr>
<td>45/60 Minute*</td>
<td>2772 sq. in. 36&quot; x 77&quot;</td>
</tr>
<tr>
<td>90 Minute*</td>
<td>1296 sq. in. 36&quot; x 54&quot;</td>
</tr>
<tr>
<td>3 Hour*</td>
<td>100 sq. in. 12&quot; x 33&quot;</td>
</tr>
</tbody>
</table>

Proper clearance between vision lite and lock prep must be obtained.

### AFDL™ INVERTED Y NON-VISION METAL LOUVER

Inverted Y louver non vision louver. 18 GA. Cold Rolled Steel, Frame. 22 GA. Cold Rolled Steel Louver Blades. Louver core may be offset. For Use anywhere air flow is required thru a door, Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

**FREE AIR FLOW**: 50% Free Area.

**NOT FIRE RATED**: AFDL and AFDL-T are not fire rated.

<table>
<thead>
<tr>
<th>Size</th>
<th>Free Area (Sq. In.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; x 12&quot;</td>
<td>72</td>
</tr>
<tr>
<td>18&quot; x 12&quot;</td>
<td>108</td>
</tr>
<tr>
<td>24&quot; x 12&quot;</td>
<td>144</td>
</tr>
<tr>
<td>24&quot; x 24&quot;</td>
<td>288</td>
</tr>
</tbody>
</table>

### FDL™ UL FUSIBLE LINK METAL LOUVER

Inverted split Y louver non vision louver, UL approved. 18 GA. Cold Rolled Steel, Frame. 22 GA. Cold Rolled Steel Louver Blades. For use anywhere air flow is required thru a door, Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

**FREE AIR FLOW**: 40% Free Area.

**FIRE RATING**: 20/45/60/90 MINUTE. Approved listing - max width 24", max height 24" min width 10", min height 6"
FireLite® NT is a 3/16” (5 mm) thick fire-rated and impact safety-rated glazing material, composed of FireLite and surface-applied fire-rated film. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours.

**Features**
- Now with ultraHD® Technology for improved surface quality, clarity and color
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- STC Rating of 35dB
- Hardness (Vicker’s Scale) of 700
- Glass ceramic with high performance surface-applied approved fire-rated film
- Clear and wireless
- Withstands thermal shock
- Large sizes available
- FireLite side may be lightly sandblasted or etched without affecting the fire rating
- Passes positive pressure test standards UL 10C
- 3-year limited warranty

**General Characteristics**
- Thickness: 3/16” overall
- Weight: 2.4 lb / ft2
- Approx. Visible Transmission: 88%
- Approx. Visible Reflection: 9%
- Fire Rating: 20 min to 3 hours

WireLite® NT is a nominal 1/4” (6 mm) thick fire-rated and impact safety-rated glazing material composed of wired glass and surface-applied fire-rated film. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements for 20, 45, 60 and 90 minutes.

**Features**
- Fire-rated for 20, 45, 60 and 90 minutes with required hose stream test
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Wired glass with high performance surface-applied fire-rated film
- Available in Diamond Clear, 3/4” pattern and Georgian Clear, 1/2” pattern
- Available as an insulated glass unit (IGU)
- Withstands thermal shock
- Passes positive pressure test standards UL 10C
- 3-year limited warranty*

**General Characteristics**
- Thickness: Nominal 1/4” overall
- Weight: 3.79 lb / ft2
- Approx. Visible Transmission: 77%
- Fire Rating: 20, 45, 60 and 90 min

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**FireLite Glass - Stock**

<table>
<thead>
<tr>
<th>FIRE RATING</th>
<th>SIZE</th>
<th>LAMINATED SBS PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Hour</td>
<td>11” x 11” x ¾”</td>
<td>109005</td>
</tr>
<tr>
<td>90 Min</td>
<td>11” x 11” x ¾”</td>
<td>109030</td>
</tr>
<tr>
<td>90 Min</td>
<td>5” x 26” x ¾”</td>
<td>109031</td>
</tr>
<tr>
<td>90 Min</td>
<td>6” x 21” x ¾”</td>
<td>109008</td>
</tr>
</tbody>
</table>

**WireLite Glass - Stock**

<table>
<thead>
<tr>
<th>FIRE RATING</th>
<th>SIZE</th>
<th>LAMINATED SBS PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Hour</td>
<td>11” x 11” x ¾”</td>
<td>109000</td>
</tr>
<tr>
<td>90 Min</td>
<td>11” x 11” x ¾”</td>
<td>109032</td>
</tr>
<tr>
<td>90 Min</td>
<td>5” x 26” x ¾”</td>
<td>109033</td>
</tr>
<tr>
<td>90 Min</td>
<td>4” x 19” x ¾”</td>
<td>109004</td>
</tr>
<tr>
<td>90 Min</td>
<td>6” x 21” x ¾”</td>
<td>109006</td>
</tr>
</tbody>
</table>

*Call for sizes, stock and lead time.

**Clear Tempered Glass and Clear Laminated Glass - Stock**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LAMINATED SBS PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>19” x 29” x ¼”</td>
<td>109003</td>
</tr>
<tr>
<td>23” x 23” x ¼”</td>
<td>109032</td>
</tr>
<tr>
<td>23” x 29” x ¼”</td>
<td>109033</td>
</tr>
<tr>
<td>23” x 35” x ¼”</td>
<td>109034</td>
</tr>
<tr>
<td>23” x 59” x ¼”</td>
<td>109054</td>
</tr>
<tr>
<td>23” x 61” x ¼”</td>
<td>109009</td>
</tr>
<tr>
<td>23” x 63” x ¼”</td>
<td>109010</td>
</tr>
<tr>
<td>23” x 65” x ¼”</td>
<td>*</td>
</tr>
</tbody>
</table>

*Call for sizes, stock and lead time.

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**NOTE:** Neither FireLite® NT nor WireLite® NT products are a barrier to radiant heat. These products do not meet test standards ASTM E-119 or UL 263. If your jurisdiction requires a “barrier to heat” product, please contact Technical Glass Products regarding Pilkington Pyrostop®.
FireLite Plus® is a nominal 5/16" (8 mm) thick laminated fire-rated polished and impact safety-rated glazing material. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours. Trusted for over 20 years, the FireLite family of products now feature ultraHD® Technology for superior color and surface quality.

- UltraHD® Technology for improved color, clarity and surface quality
- Fire-rated for up to 3 hours with required hose stream test
- Impact safety-rated - ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
- Glass ceramic
- Clear and wireless
- Withstands thermal shock
- Protects from fire and impact on both sides of the glass
- Available in two surface conditions for clear viewing, Premium Grade and Standard Grade
- Large sizes available
- May be lightly sandblasted/etched on one side without affecting fire rating
- Passes positive pressure test standards UL 10C
- 5-year limited warranty

Custom Built For:
- Supermarkets
- Convenience Stores
- Restaurants
- Hotels, Motels
- Retail, Drug
- Department Stores
- Shopping Malls
- Hospitals
- Institutions
- Industrial

Eliason’s doors are fabricated with only high quality products built to your specifications. These safe, gentle doors are gravity operated and automatic self-closing. Special sizes, décor options and protective accessories are available.
Selecting A Hinge

Hinge Types, Selecting A Size, Number of Hinges Per Door, Hinge Material

Determine Type of Hinge
• What is the door material (wood, stainless steel, fiberglass, or hollow metal)?
• What is the frame material (wood, stainless steel, or hollow metal)?

Hinges are manufactured in accordance with ANSI/BHMA A156.1. Self-closing hinges and pivots are in accordance with ANSI/BHMA A156.17 using three hinges per opening on a 3’0” x 7’0” x 1-3/8” door.

Round corners are available in 1/4” (standard) or 5/8” radius.

Full Mortise - Both leaves are mortised, one leaf in the door and one leaf in the frame.

Half Mortise - One leaf is mortised in the door and the other is surface applied to the frame.

Full Surface - Both leaves are applied to the surface, one to the door and the other to the frame.

Half Surface - One leaf is mortised in the frame and the other is surface applied to the face of the door.

Select the Proper Weight and Bearing Structure
Hinges are placed into three groups:
1. Heavy Weight - Ball Bearing
2. Standard Weight - Ball Bearing
3. Standard Weight - Plain Bearing

There are three factors that determine the weight and structure of the hinge: (1) weight of door, (2) width of the door, and (3) frequency of use.

Determine the Size of Hinge
Only on the full mortise hinges are there two dimensions, such as a 4-1/2” x 4-1/2”. The first dimension indicates the height and the second dimension indicates the width when the hinge is in the open position.

<table>
<thead>
<tr>
<th>Hinge Type Min.</th>
<th>Cycle Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Weight</td>
<td>2,500,000</td>
</tr>
<tr>
<td>Standard Weight</td>
<td>1,500,000</td>
</tr>
<tr>
<td>Standard Weight</td>
<td>350,000</td>
</tr>
</tbody>
</table>

Determine the Number of Hinges

MINIMUM WIDTH OF HINGE

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Standard Backset</th>
<th>Max. Clearance Provided</th>
<th>Width of Hinge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/8”</td>
<td>1/4”</td>
<td>1-1/4”, 1-3/4”</td>
<td>3-1/2”, 4”</td>
</tr>
<tr>
<td>1-3/4”</td>
<td>1/4”</td>
<td>1”, 1-1/2”, 2”, 3”</td>
<td>4”, 4-1/2”, 5”, 6”</td>
</tr>
<tr>
<td>2”</td>
<td>1”</td>
<td>1”, 1-1/2”, 2-1/2”</td>
<td>4-1/2”, 5”, 6”</td>
</tr>
<tr>
<td>2-1/4”</td>
<td>3/8”</td>
<td>1”, 2”</td>
<td>5”, 6”</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>3/4”, 1-3/4”</td>
<td>5”, 6”</td>
<td></td>
</tr>
</tbody>
</table>

Determine the Number of Hinges per Door Leaf

General rule of thumb: one hinge for every 30” of door height.

Door Height | Number of Hinges |
-------------|------------------|
Up to 60”   | 2 Hinges         |
Over 60” and not over 90” | 3 Hinges |
Over 90” and not over 120” | 4 Hinges |

For doors with a width 37” to 48”, an extra hinge could be used for additional strength. The extra hinge helps support the additional weight and tension applied to the frame created by the wider door width.

Doors over 90”, an additional hinge for each additional 30”. Where spring hinges are used, at least two shall be provided.
**Selecting A Hinge**

**Bearing Options, Security Features, Tip Styles and Finishes**

**Determine Type of Material**

**Steel** - This has great strength, but it is a corrosive material. If the atmosphere that steel is used in is not stable, steel will begin to rust. The best application for steel is inside a building where the temperature and humidity are controlled.

**Stainless Steel** - This also has great strength. It is rust resistant and can be polished to a satin or bright finish. For highly corrosive areas, 316 grade or clear coat over 304L may be recommended. Hager Companies standard grade stainless steel is 304L.

**Brass** - This material is non-corrosive, rust resistant, and very decorative. However, it has less strength than the steel or stainless steel material. Brass is often used where appearance is of great concern as it may be polished and plated in various finishes.

**Note:** Both steel and stainless steel hinges may be used on listed fire rated or labeled door openings. Brass material may not be used on fire rated or labeled openings because of the low melting point.

**Bearing Options**

When using steel based hinges, special options are available such as stainless steel pins, stainless steel bearings and stainless steel raceways.

**Ball Bearing (BB)** - Ball bearings are engineered to throw the knuckle weight against specially hardened steel raceways, which ride on the bearing surfaces. The one-piece cup protects the bearings from moisture and dust. The cup supports no weight so it is not subjected to functional friction, pressure or wear. Lateral wear is minimized because the pin is held against thrust by the hardened steel top and bottom raceways. The bearing units are securely press-fit to the leaf knuckle to prevent loss when the hinge is disassembled.

**Non-Removable Pin** - (NRP) hinge barrel is drilled and tapped to receive a small set screw which is tightened against the hinge pin. The pin has a groove in the position where the set screw makes contact, allowing the set screw to seat. The set screw is positioned so it cannot be reached unless the door is opened. If pin removal is necessary, the set screw is merely removed and the pin tapped from the bottom in the usual manner.

**Safety Stud** - (SH) 3/16” projection is a feature that places a stud on one leaf and a locking hole on the other leaf. When the door is closed, the stud is anchored into the opposite leaf. Even if the hinge pin is removed, the door is secure because the leaves are locked together.

**Reverse Security Stud** - (RSS) 7/16” projection is a feature that has a welded stud projecting from the back of both leaves into the reinforcing plate of both the frame and the door. It is intended to keep the hinge locked in place from abuse of battering or trying to shear the hinge and screws. This feature is primarily used in prisons and psychiatric areas.

**Security Features**

Three additional features that are commonly used are: Non-Removable Pin (NRP), Safety Stud (SH), and Reverse Security Stud (RSS). These features are intended as deterrents only.

**Tip Styles**

- Flat Button Tip (FL - 3 Knuckle)  
- Tri-Con Flush Pin  
- Hospital Tip (HT)  
- Fast Riveted Pin (RP)

**Determine Type of Finish**

All steel and brass material hinges can be plated to match the available finishes that are listed in the American National Standards Institute, standard ANSI/BHMA A156.18 Materials and Finishes.

**Special Resisting Finishes** - A nickel undercoat is a standard process that is applied to all steel basted PLATED hinges. The nickel undercoat is an optional process for steel based PAINTED hinges and must be ordered as an option if desired.

**Note:** Hager Companies only warrants US10B finish over brass base material. If steel base is necessary, Hager Companies recommends US10A lacquer finish.

**Antimicrobial Protection** - Hager Companies uses a powder coat process to apply antimicrobial treated coating to guarantee durability and protection.

**Hager Finish Chart**

<table>
<thead>
<tr>
<th>U.S. &amp; Hager</th>
<th>Description</th>
<th>Steel</th>
<th>Brass &amp; Bronze</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>US3</td>
<td>Bright Brass</td>
<td>632</td>
<td>605</td>
<td>-</td>
</tr>
<tr>
<td>US4</td>
<td>Satin Brass</td>
<td>633</td>
<td>606</td>
<td>-</td>
</tr>
<tr>
<td>US10</td>
<td>Satin Bronze</td>
<td>639</td>
<td>612</td>
<td>-</td>
</tr>
<tr>
<td>US10A</td>
<td>Antique Bronze Lacquered</td>
<td>641</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>US10B</td>
<td>Antique Bronze Oiled</td>
<td>640</td>
<td>613</td>
<td>-</td>
</tr>
<tr>
<td>US10D</td>
<td>Black Nickel, Oiled</td>
<td>640</td>
<td>613</td>
<td>-</td>
</tr>
<tr>
<td>US14</td>
<td>Bright Nickel</td>
<td>645</td>
<td>618</td>
<td>-</td>
</tr>
<tr>
<td>US15</td>
<td>Satin Nickel</td>
<td>646</td>
<td>619</td>
<td>-</td>
</tr>
<tr>
<td>US26</td>
<td>Bright Chrome</td>
<td>651</td>
<td>625</td>
<td>-</td>
</tr>
<tr>
<td>US26D</td>
<td>Satin Chrome</td>
<td>652</td>
<td>626</td>
<td>-</td>
</tr>
<tr>
<td>US32</td>
<td>Stainless Steel</td>
<td>-</td>
<td>629</td>
<td>-</td>
</tr>
<tr>
<td>US32D</td>
<td>Satin Stainless Steel</td>
<td>-</td>
<td>630</td>
<td>-</td>
</tr>
<tr>
<td>USP</td>
<td>Prime Coat</td>
<td>600</td>
<td>600</td>
<td>-</td>
</tr>
<tr>
<td>L1</td>
<td>Flat Black</td>
<td>693</td>
<td>693</td>
<td>-</td>
</tr>
<tr>
<td>L2</td>
<td>Dark Bronze</td>
<td>695</td>
<td>695</td>
<td>-</td>
</tr>
<tr>
<td>L5</td>
<td>Luma Sheen</td>
<td>689</td>
<td>689</td>
<td>-</td>
</tr>
</tbody>
</table>

**Hours of Operation:** 7:30 am Until 4:00 pm • **Phone:** 773/286-0123 or 888/SCHUHAM

55
Full Mortise Hinges

Standard weight wood or hollow metal doors receiving medium frequency use, steel based.

1279 / EC1100 / EC1100NRP (Non-Removable Pin) – Five Knuckle, Plain Bearing

<table>
<thead>
<tr>
<th>SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>SCREW SIZE (MACHINE)</th>
<th>SCREW SIZE (WOOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; x 2&quot;</td>
<td>0.083</td>
<td>4</td>
<td>-</td>
<td>3/4 x 8</td>
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<tr>
<td>2-1/2&quot; x 2-1/2&quot;</td>
<td>0.089</td>
<td>6</td>
<td>-</td>
<td>“</td>
</tr>
<tr>
<td>3&quot; x 3&quot;</td>
<td>0.097</td>
<td>6</td>
<td>1/2 x 10-24</td>
<td>1 x 9</td>
</tr>
<tr>
<td>3-1/2&quot; x 3-1/2&quot;</td>
<td>0.119</td>
<td>6</td>
<td>1/2 x 12-24</td>
<td>“</td>
</tr>
<tr>
<td>4&quot; x 4&quot; &amp; 4&quot; x 4&quot; NRP</td>
<td>0.129</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>4-1/2&quot; x 4&quot;, 4-1/2&quot; x 4-1/2&quot; &amp; NRP</td>
<td>0.134</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>5&quot; x 4&quot;, 5&quot; x 4-1/2&quot;, &amp; 5&quot; x 5&quot;</td>
<td>0.145</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>6&quot; x 4-1/2&quot;, 6&quot; x 5&quot;, &amp; 6&quot; x 6&quot;</td>
<td>0.160</td>
<td>10</td>
<td>1/2 x 1/4-20</td>
<td>1-1/2 x 14</td>
</tr>
</tbody>
</table>


NOTE: Complies with NFPA80 requirements for use on FIRE RATED door assemblies.

Standard weight wood or hollow metal doors requiring a closing device and receiving medium frequency use, steel based.

BB1279 / ECBB1100 EC1100BBNRP (Non-Removable Pin) – Five Knuckle, Two Ball Bearing

<table>
<thead>
<tr>
<th>SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>SCREW SIZE (MACHINE)</th>
<th>SCREW SIZE (WOOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2&quot; x 3-1/2&quot;</td>
<td>0.119</td>
<td>6</td>
<td>1/2 x 10-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>4&quot; x 4&quot; &amp; 4&quot; x 4&quot; NRP</td>
<td>0.129</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>4-1/2&quot; x 4&quot;, 4-1/2&quot; x 4-1/2&quot; &amp; NRP</td>
<td>0.134</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>5&quot; x 4&quot;, 5&quot; x 4-1/2&quot;, &amp; 5&quot; x 5&quot;</td>
<td>0.145</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>6&quot; x 4-1/2&quot;, 6&quot; x 5&quot;, &amp; 6&quot; x 6&quot;</td>
<td>0.160</td>
<td>10</td>
<td>1/2 x 1/4-20</td>
<td>1-1/2 x 14</td>
</tr>
</tbody>
</table>


NOTE: Complies with NFPA80 requirements for use on FIRE RATED door assemblies.

Heavy weight wood or hollow metal doors requiring a closing device and receiving high frequency, steel based.

B1279 – Five Knuckle, Plain Bearing

<table>
<thead>
<tr>
<th>SIZE</th>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>GAUGE</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>B1279 DCH4H</td>
<td>Heavy Weight, Two Ball Bearing</td>
<td>0.134</td>
<td>US26D</td>
</tr>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>B1279 PC4H</td>
<td>Heavy Weight, Two Ball Bearing</td>
<td>0.134</td>
<td>USP</td>
</tr>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>B1299 DCH4H</td>
<td>Extra Heavy Weight, Four Ball Bearing</td>
<td>0.180</td>
<td>US26D</td>
</tr>
</tbody>
</table>

NOTE: Complies with NFPA80 requirements for use on FIRE RATED door assemblies.
**Full Mortise Hinges**

Heavy weight hollow metal doors receiving high frequency use, brass & stainless steel based.

**BB1199 / BB1168 – Five Knuckle, Four Ball Bearing**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>SCREW SIZE (MACHINE)</th>
<th>SCREW SIZE (WOOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 4&quot;</td>
<td>0.180</td>
<td>8</td>
<td>1/2 x 12-24</td>
<td>1-1/4 x 12</td>
</tr>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>0.180</td>
<td>8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5&quot; x 4&quot;</td>
<td>0.190</td>
<td>8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5&quot; x 4-1/2&quot;</td>
<td>0.190</td>
<td>8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5&quot; x 5&quot;</td>
<td>0.190</td>
<td>8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>6&quot; x 4-1/2&quot;</td>
<td>0.203</td>
<td>10</td>
<td>1/2 x 1/4-20</td>
<td>1-1/4 x 14</td>
</tr>
<tr>
<td>6&quot; x 5&quot;</td>
<td>0.203</td>
<td>10</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>6&quot; x 6&quot;</td>
<td>0.203</td>
<td>10</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

**BB1199 Model**

**Application:** ANSI A2111 (Brass) / ANSI A5111 (Stainless Steel)

**Material:** Brass with Stainless Steel Pin or Stainless Steel with Stainless Steel Pin


**NOTE:** Complies with NFPA80 requirements for use on FIRE RATED door assemblies.

**BB1168 Model**

**Application:** ANSI A8111

**Material:** Steel with Steel Pin


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**McKinney®**

Standard weight hollow metal doors requiring a closing device and receiving medium frequency use, steel based.

**TA2314 / TA2714 – Five Knuckle, Ball Bearing**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>ITEM</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>TA2714</td>
<td>US26D</td>
</tr>
<tr>
<td>4&quot; x 4&quot;</td>
<td>TA2714</td>
<td>US10B</td>
</tr>
<tr>
<td>4&quot; x 4&quot;</td>
<td>TA2714</td>
<td>US3</td>
</tr>
</tbody>
</table>

**TA2314 Model**

**Application:** ANSI A5112

**Material:** Stainless

**TA2314 Model**

**Application:** ANSI A2112

**Material:** Brass

**TA2714 Model**

**Application:** ANSI A8112

**Material:** Steel


---

**MCKINNEY FINISH CHART**

<table>
<thead>
<tr>
<th>McKinney</th>
<th>Description</th>
<th>Steel</th>
<th>Brass &amp; Bronze</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>US3</td>
<td>Bright Brass</td>
<td>632</td>
<td>605</td>
<td>-</td>
</tr>
<tr>
<td>US4</td>
<td>Doll Brass</td>
<td>633</td>
<td>606</td>
<td>-</td>
</tr>
<tr>
<td>US10</td>
<td>Doll Bronze</td>
<td>639</td>
<td>612</td>
<td>-</td>
</tr>
<tr>
<td>US10B</td>
<td>Antique Bronze, Oiled</td>
<td>640</td>
<td>613</td>
<td>-</td>
</tr>
<tr>
<td>US14</td>
<td>Bright Nickel Plated</td>
<td>645</td>
<td>618</td>
<td>-</td>
</tr>
<tr>
<td>US15</td>
<td>Doll Nickel Plated</td>
<td>646</td>
<td>619</td>
<td>-</td>
</tr>
<tr>
<td>US26</td>
<td>Bright Chromium</td>
<td>651</td>
<td>625</td>
<td>-</td>
</tr>
<tr>
<td>US26D</td>
<td>Doll Chromium</td>
<td>652</td>
<td>626</td>
<td>-</td>
</tr>
<tr>
<td>US32</td>
<td>Polished Stainless Steel</td>
<td>-</td>
<td>629</td>
<td>-</td>
</tr>
<tr>
<td>US32D</td>
<td>Doll Stainless Steel</td>
<td>-</td>
<td>630</td>
<td>-</td>
</tr>
<tr>
<td>USP</td>
<td>Prime Coat</td>
<td>600</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Visit www.mckinneyhinge.com for more finish options
### Full Surface Hinges

Standard weight wood composite doors in channel iron frame receiving medium frequency use.

**BB2110 / BB2171 – Five Knuckle, Two Ball Bearing**

<table>
<thead>
<tr>
<th>HINGE SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>DOOR LEAF SCREW SIZE (MACHINE)</th>
<th>JAMB LEAF SCREW SIZE (WOOD)</th>
<th>DOOR LEAF WIDTH “A”</th>
<th>JAMB LEAF WIDTH “B”</th>
<th>JAMB LEAF OFFSET “C”</th>
<th>JAMB LEAF OFFSET “D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>0.134</td>
<td>6</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 OH</td>
<td>2 9/16</td>
<td>1 1/2</td>
<td>1/2</td>
<td>3/8</td>
</tr>
<tr>
<td>5”</td>
<td>0.145</td>
<td>8</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 OH</td>
<td>2 7/8</td>
<td>1 1/2</td>
<td>1/2</td>
<td>3/8</td>
</tr>
</tbody>
</table>

**BB2171 Model**
- **Application:** ANSI A8312
- **Material:** Steel with Steel Pin
- **Description:**
  - Beveled surface leaves
  - Reversible
  - Through bolts & grommets for wood door applications

**BB2110 Model**
- **Application:** ANSI A2312 (Brass) & ANSI A5312 (Stainless Steel)
- **Material:** Brass with Stainless Steel Pin or Stainless Steel with Stainless Steel Pin
- **Finishes:** US10, US10B, US26D, US32D
- **Description:**
  - Beveled surface leaves
  - Reversible
  - Through bolts & grommets for wood door applications
  - Door thickness must be specified when ordering

### Heavy weight hollow metal or wood composite doors receiving high frequency use.

**BB2109 / BB2169 – Five Knuckle, Four Ball Bearing**

<table>
<thead>
<tr>
<th>HINGE SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>DOOR LEAF SCREW SIZE (MACHINE)</th>
<th>JAMB LEAF SCREW SIZE (WOOD)</th>
<th>DOOR LEAF WIDTH “A”</th>
<th>JAMB LEAF WIDTH “B”</th>
<th>JAMB LEAF OFFSET “C”</th>
<th>JAMB LEAF OFFSET “D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>0.180</td>
<td>8</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 OH</td>
<td>2 9/16</td>
<td>1 1/2</td>
<td>9/16</td>
<td>7/16</td>
</tr>
<tr>
<td>5”</td>
<td>0.190</td>
<td>8</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 OH</td>
<td>2 7/8</td>
<td>1 1/2</td>
<td>9/16</td>
<td>7/16</td>
</tr>
<tr>
<td>6”</td>
<td>0.203 (B &amp; S)</td>
<td>9</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 OH</td>
<td>2 1/4</td>
<td>1 1/2</td>
<td>5/8</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**BB2109 Model**
- **Application:** ANSI A2312 (Brass) & ANSI A53121 (Stainless Steel)
- **Material:** Brass with Stainless Steel Pin or Stainless Steel with Stainless Steel Pin
- **Description:**
  - Beveled surface leaves
  - Reversible
  - Through bolts & grommets for wood door applications
  - Door thickness must be specified when ordering

**BB2169 Model**
- **Application:** ANSI A8312
- **Material:** Steel with Steel Pin

### Half Surface Hinge

**Description:**
- Non-rising removable pin with button tip and plug
- Beveled surface leaf
- Reversible
- Thru-bolts and grommets for wood door applications
- For use on regular weight hollow metal or wood composite doors with hollow metal frames requiring low frequency service

<table>
<thead>
<tr>
<th>HINGE SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>DOOR LEAF SCREW SIZE (MACHINE)</th>
<th>JAMB LEAF SCREW SIZE (WOOD)</th>
<th>DOOR LEAF WIDTH “A”</th>
<th>JAMB LEAF WIDTH “B”</th>
<th>JAMB LEAF OFFSET “C”</th>
<th>JAMB LEAF OFFSET “D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2”</td>
<td>0.119</td>
<td>6</td>
<td>1 3/4 x 10 - 24 OH</td>
<td>1/2 x 12 - 24 FH</td>
<td>1 5/8</td>
<td>1 9/16</td>
<td>7/16</td>
<td>1 1/16</td>
</tr>
<tr>
<td>4”</td>
<td>0.129</td>
<td>7</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 12 - 24 FH</td>
<td>2 15/16</td>
<td>1 13/16</td>
<td>1/2</td>
<td>1 5/16</td>
</tr>
<tr>
<td>4-1/2”</td>
<td>0.134</td>
<td>7</td>
<td>2 x 1/4 - 20 OH</td>
<td>1/2 x 1/4 - 20 FH</td>
<td>2 9/16</td>
<td>2</td>
<td>1/2</td>
<td>1 1/2</td>
</tr>
</tbody>
</table>

**1173 Model**
- **Application:** ANSI A8433
- **Material:** Steel with Steel Pin
- **Description:**
  - Non-rising removable pin with button tip and plug
  - Beveled surface leaf
  - Reversible
  - Thru-bolts and grommets for wood door applications
  - For use on regular weight hollow metal or wood composite doors with hollow metal frames requiring low frequency service
## Half Mortise Hinges

**Standard weight hollow metal doors with channel iron frame receiving medium frequency use**

### BB1129 / BB1109 – Five Knuckle, Two Ball Bearing

<table>
<thead>
<tr>
<th>Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Door Leaf Screw Size (Machine)</th>
<th>Jamb Leaf Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>0.134</td>
<td>7</td>
<td>1/2 x 12 - 24 OH</td>
<td>1/2 x 12 - 24 OH</td>
</tr>
<tr>
<td>5”</td>
<td>0.145</td>
<td>8</td>
<td>1/2 x 12 - 24 OH</td>
<td>1/2 x 12 - 24 OH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Door Leaf Width “A”</th>
<th>Jamb Leaf Width “B”</th>
<th>Jamb Leaf Offset “C”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>2</td>
<td>1 1/2</td>
<td>3/8</td>
</tr>
<tr>
<td>5”</td>
<td>2</td>
<td>1 1/2</td>
<td>3/8</td>
</tr>
</tbody>
</table>

* Size not available in BB1129 series

**BB1129 Model**

**Application:** ANSI A8212 (Steel)

**Material:** Steel with Steel Pin

**Finishes:** US10, US10B, US26D, US32D

**Description:**
- Beveled surface leaves
- Reversible

**BB1109 Model**

**Application:** ANSI A2211 (Brass)

**Material:** Brass with Stainless Steel Pin or Stainless Steel with Stainless Steel Pin

**Finishes:** US10, US10B, US26D, US32D

---

**Heavy weight hollow metal doors with channel iron frame receiving high frequency use.**

### BB2098 / BB1138 – Five Knuckle, Four Ball Bearing

<table>
<thead>
<tr>
<th>Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Door Leaf Screw Size (Machine)</th>
<th>Jamb Leaf Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>0.180</td>
<td>7</td>
<td>1/2 x 12 - 24 FH</td>
<td>1/2 x 12 - 24 OH</td>
</tr>
<tr>
<td>5”</td>
<td>0.190</td>
<td>8</td>
<td>1/2 x 12 - 24 FH</td>
<td>1/2 x 12 - 24 OH</td>
</tr>
<tr>
<td>6”</td>
<td>0.203 (B &amp; S) 0.190 (SS)</td>
<td>9</td>
<td>1/2 x 12 - 24 FH</td>
<td>1/2 x 12 - 24 OH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Door Leaf Width “A”</th>
<th>Jamb Leaf Width “B”</th>
<th>Jamb Leaf Offset “C”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>2 1/16</td>
<td>1 1/2</td>
<td>7/16</td>
</tr>
<tr>
<td>5”</td>
<td>2 1/16</td>
<td>1 1/2</td>
<td>7/16</td>
</tr>
<tr>
<td>6 x 1 3/4”</td>
<td>2 1/8</td>
<td>1 1/2</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**BB2098 Model**

**Application:** ANSI A8212 (Steel)

**Material:** Stainless Steel with Stainless Steel Pin

**Finishes:** US10, US10B, US26D, US32D

**Description:**
- Beveled surface leaves
- Reversible
- Through bolts & grommets for wood door applications
- Door thickness must be specified when ordering

**BB1138 Model**

**Application:** ANSI A8211 (Steel)

**Material:** Steel with Steel Pin


---

**Hours of Operation:** 7:30 AM until 4:00 PM  •  Phone: 773/286-0123 or 888/SCHUHAM

---

**Schuham Builder’s Supply Company, Inc.**

**Hours of Operation:** 7:30 am Until 4:00 pm  •  Phone: 773/286-0123  or 888/SCHUHAM
Spring Hinges

**1250 / 1150 / EC1105 – Single Acting Square Corner Spring Hinge**

For labeled doors 3’0” x 7’0” the maximum door size is based on the limits set forth by NFPA Standard 80. Labeled doors require Ball Bearings hinges. For non-labeled doors over 7’6” in height, use an additional hinge for each additional 30” of height or fraction thereof.

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SIZE</th>
<th>DOOR WT. (LBS)</th>
<th>SPRING HINGE</th>
<th>BALL BEARING HINGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1150</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>70</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>1150</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>115</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>1150</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>150</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>1250</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>70</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>1250</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>115</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>1250</td>
<td>4-1/2 x 4 &amp; 4-1/2 x 4-1/2</td>
<td>150</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>1256</td>
<td>4-1/2 x 4-1/2</td>
<td>115</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>1255</td>
<td>4-1/2 x 4-1/2</td>
<td>115</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**1250 / 1150 Models**

- **Application:** ANSI K8171F
- **Material:** Steel with Steel Components
- **1150 Finishes:** US32, US32D

**EC1105 Model**

- **Application:** For use on 1 3/4” doors
- **Material:** Steel

**Standard weight doors receiving medium frequency use, in place of door closers.**

**1502 / 1522 / 1552 – Full Mortise, Single Acting Spring Hinge**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SERIES</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 4”</td>
<td>1502</td>
<td>US26D</td>
</tr>
<tr>
<td>4” x 4”</td>
<td>1502</td>
<td>US10B</td>
</tr>
<tr>
<td>4” x 4”</td>
<td>1502</td>
<td>US3</td>
</tr>
</tbody>
</table>

**1502 Model**

- **Application:** ANSI 81081 / K81981
- **Material:** Steel

**1552 Model**

- **Application:** ANSI 51071 / K51071F
- **Material:** Stainless Steel

**Double Action Spring Hinge**

Double action spring hinges give closing action from either direction. Energy is stored in the spring as the door is opened, and closes door after it is released.

Spring tension is adjustable at any time. Models are available for doors without hanging strips, and sizes are made to operate door weights, per pair, from 25 pounds to 70 pounds, in thicknesses ranging from 3/4” to 1 3/4” (not all thicknesses work with all models).

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>070 PC4</td>
<td>4” Medium Duty 50 lbs. Doors 3/4” to 1 1/4” Thick</td>
<td>Prime Coat</td>
</tr>
<tr>
<td>070 PC6</td>
<td>6” Heavy Duty 70 lbs. Doors 1 1/4” to 1 3/4” Thick</td>
<td>Prime Coat</td>
</tr>
<tr>
<td>070 SPB6</td>
<td>6” Heavy Duty 70 lbs. Doors 1 1/4” to 1 3/4” Thick</td>
<td>Sprayed Brass</td>
</tr>
</tbody>
</table>

**Finishes:** Zinc Plate, Sprayed Brass, Prime Coat
**Swing Clear Hinges**

**Full Mortise, Half Mortise and Full Surface**

For use in a barrier-free environment. Eliminates door edge in opening at 95°. Permits beds, utility carts, wheel chairs, and other wide equipment to pass through opening without, scraping or distorting the doors or frames thus reducing maintenance.

### HAGER

<table>
<thead>
<tr>
<th>ITEM</th>
<th>HINGE TYPE</th>
<th>MATERIAL</th>
<th>EDGE</th>
<th>DOOR NOTES</th>
<th>FINISHES</th>
<th>SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB7501</td>
<td>Full Mortise Four Knuckle</td>
<td>Concealed Anti-Friction Bearing, Heavy Weight</td>
<td>Steel w/Steel Pin ANSI A8121</td>
<td>Square</td>
<td>NRP Reversible, Door projects 11/64” past stop of jamb USP, US10, US10A, US10B, US26D</td>
<td>4-1/2”</td>
</tr>
<tr>
<td>AB7502</td>
<td>Full Mortise Four Knuckle</td>
<td>Concealed Anti-Friction Bearing, Heavy Weight</td>
<td>Steel w/Steel Pin ANSI A8121</td>
<td>Beveled</td>
<td>NRP Reversible, Door projects 11/64” past stop of jamb USP, US10, US10A, US10B, US26D</td>
<td>4-1/2”</td>
</tr>
<tr>
<td>BB1260</td>
<td>Full Mortise Four Knuckle</td>
<td>Two Ball Bearing Heavy Weight</td>
<td>Steel w/Steel Pin ANSI A8121</td>
<td>Square</td>
<td>NRP RH std (reversible to LH), Door projects 3/32” past stop of jamb USP, US10, US10A, US10B, US26D</td>
<td>4-1/2”</td>
</tr>
<tr>
<td>BB1262</td>
<td>Full Mortise Four Knuckle</td>
<td>Four Ball Bearing Heavy Weight</td>
<td>Steel w/Steel Pin ANSI A8121</td>
<td>Square</td>
<td>NRP RH std (reversible to LH), Door projects 11/64” past stop of jamb USP, US10, US10A, US10B, US26D</td>
<td>4-1/2”</td>
</tr>
<tr>
<td>BB1263</td>
<td>Full Mortise Four Knuckle</td>
<td>Four Ball Bearing Heavy Weight</td>
<td>Steel w/Steel Pin ANSI A8121</td>
<td>Beveled</td>
<td>NRP RH std (reversible to LH), Door projects 11/64” past stop of jamb USP, US10, US10A, US10B, US26D</td>
<td>4-1/2”</td>
</tr>
</tbody>
</table>

### IVEES®

**IVES FINISH CHART**

Visit www.us.allegion.com for more finish options.

<table>
<thead>
<tr>
<th>IVES</th>
<th>Description</th>
<th>Alum</th>
<th>Brass &amp; Bronze</th>
<th>Steel</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>US3</td>
<td>Bright brass plated, clear coated</td>
<td>666</td>
<td>605</td>
<td>632</td>
<td>-</td>
</tr>
<tr>
<td>US4</td>
<td>Satin brass plated, clear coated</td>
<td>667</td>
<td>606</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>US5</td>
<td>Satin brass plated, blackened</td>
<td>609</td>
<td>-</td>
<td>638</td>
<td>-</td>
</tr>
<tr>
<td>US10</td>
<td>Satin bronze, clear coated</td>
<td>612</td>
<td>612</td>
<td>693</td>
<td>-</td>
</tr>
<tr>
<td>US10A</td>
<td>Satin bronze plated, clear coated</td>
<td>688</td>
<td>-</td>
<td>-</td>
<td>640</td>
</tr>
<tr>
<td>US10B</td>
<td>Dark oxidized satin bronze, oil rubbed finish</td>
<td>703</td>
<td>613</td>
<td>-</td>
<td>640</td>
</tr>
<tr>
<td>US14</td>
<td>Bright nickel plated, clear coated</td>
<td>669</td>
<td>618</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>US15</td>
<td>Satin nickel plated, clear coated</td>
<td>670</td>
<td>619</td>
<td>646</td>
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<tr>
<td>US26</td>
<td>Polished chrome plated</td>
<td>-</td>
<td>625</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>US26D</td>
<td>Satin chrome plated</td>
<td>702/713</td>
<td>626</td>
<td>652</td>
<td>-</td>
</tr>
<tr>
<td>US32</td>
<td>Polished stainless steel</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>629</td>
</tr>
<tr>
<td>US32D</td>
<td>Satin stainless steel</td>
<td>630/654</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>US32D</td>
<td>Satin stainless steel</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>629</td>
</tr>
<tr>
<td>US32D</td>
<td>Satin stainless steel</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>630/654</td>
</tr>
<tr>
<td>USP</td>
<td>Primed for paint - steel</td>
<td>-</td>
<td>-</td>
<td>600</td>
<td>-</td>
</tr>
<tr>
<td>2C / 2G</td>
<td>Zinc plated</td>
<td>-</td>
<td>-</td>
<td>603</td>
<td>-</td>
</tr>
<tr>
<td>313AN</td>
<td>Dark bronze anodized</td>
<td>710</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FP</td>
<td>Primed for paint - steel</td>
<td>-</td>
<td>-</td>
<td>600</td>
<td>-</td>
</tr>
<tr>
<td>SP4</td>
<td>Brass</td>
<td>-</td>
<td>706</td>
<td>706</td>
<td>-</td>
</tr>
<tr>
<td>SP28</td>
<td>Aluminum painted</td>
<td>-</td>
<td>689</td>
<td>689</td>
<td>-</td>
</tr>
<tr>
<td>SP313</td>
<td>Dark bronze painted</td>
<td>-</td>
<td>695</td>
<td>695</td>
<td>-</td>
</tr>
<tr>
<td>SPBLK</td>
<td>Black painted</td>
<td>-</td>
<td>693</td>
<td>693</td>
<td>-</td>
</tr>
</tbody>
</table>

**Options**

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4” or 5/8” Radius
- SEC, Security Fasteners - Pin-in-Socket

### MFR

<table>
<thead>
<tr>
<th>MFR</th>
<th>ITEM</th>
<th>HINGE TYPE</th>
<th>MATERIAL</th>
<th>EDGE</th>
<th>DOOR NOTES</th>
<th>FINISHES</th>
<th>SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>IVES</td>
<td>SBB15C</td>
<td>Full Mortise Five Knuckle</td>
<td>Two Ball Bearing, Medium Weight/Medium Frequency</td>
<td>Steel ANSI A8122 Stainless Steel ANSI A8122 Brass ANSI A1222 Square</td>
<td>92 Degrees, NRP, B, HT, RC, SEC</td>
<td>See MFRs Catalog</td>
<td>4-1/2”</td>
</tr>
<tr>
<td>IVES</td>
<td>SBB15CHW</td>
<td>Full Mortise Three Knuckle</td>
<td>Two Ball Bearing, Heavy Weight/High Frequency</td>
<td>Steel ANSI A8121 - -</td>
<td>Square/Beveled</td>
<td>92 Degrees, NRP, B, HT, RC, SEC</td>
<td>See MFRs Catalog</td>
</tr>
</tbody>
</table>
Pivot Hinges & Pivot Sets

General Pivot Hinge Information

Hinge Metals
- Steel
- Brass
- Bronze
- Stainless Steel

Brass or Bronze Hinges
- Polished and finished.
- Ideal for exterior doors.
- Cannot rust.
- Pins are made of stainless steel.

Stainless Steel Hinges
- Furnished in bright or satin finishes.
- Tips and pins are stainless steel.

Steel Hinges - Prime Coated for painting
- Phosphated then prime coated.
- The phosphating forms a strong bond between the metal and the prime coat.
- Ample paint clearance is provided between the barrel and the inner edges of the leaves.

Steel Hinges - Polished and Plated
- The steel is first polished, then plated in desired finish.
- For use where a fine steel hinge is desired and a polished surface will meet the requirements.

Steel Hinges - Chromium Plated
- Chromium plating is applied over a plating of nickel.
- This method conforms strictly to requirements listed in ANSI/BHMA Standard A156.18.
- Chromium does not tarnish. The nickel underneath affords considerable rust protection but for absolute assurance against rusting, only nonferrous metals should be used.

Full Surface Reinforcing Pivots Hinges

Full Surface Pivots - 251, 252, 253, 254
Reinforcing Pivot is a surface mounted reinforcing hinge available for onsite installation. It works exceptionally well on doors that are sagging or doors that do not close. Handing must be specified. Gauge of metals is 187. It is a simple solution.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>HINGE SIZE</th>
<th>GAUGE OF METAL</th>
<th>SCREW SIZE (Machine)</th>
<th>SCREW SIZE (Wood)</th>
<th>+ PROJECTION FROM 1/2 OF PIVOT</th>
<th>DOOR THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>251*</td>
<td>3-1/2&quot;</td>
<td>0.187</td>
<td>3/4 x 1/4-20</td>
<td>1-1/4 x 14</td>
<td>5/8&quot; (16 mm)</td>
<td>1-3/8&quot;</td>
</tr>
<tr>
<td>252</td>
<td>4&quot;</td>
<td>0.187</td>
<td>3/4 x 1/4-20</td>
<td>1-1/4 x 14</td>
<td>1/2&quot; (12.5 mm)</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>253</td>
<td>4-1/2&quot;</td>
<td>0.187</td>
<td>3/4 x 1/4-20</td>
<td>1-1/4 x 14</td>
<td>3/4&quot; (19 mm)</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>254</td>
<td>5&quot;</td>
<td>0.187</td>
<td>3/4 x 1/4-20</td>
<td>1-1/4 x 14</td>
<td>1&quot; (25 mm)</td>
<td>1-3/4&quot;</td>
</tr>
</tbody>
</table>

* 251 Hinge is handed. Specify when ordering. All other above hinges are non-handed.

Single Acting Pivots Rack and Pinion

Single Acting Pivots - Rack & Pinion - By Hager Companies
Completely concealed, easy installation, minimum wear, adjustable alignment, no sagging, not handed. ANSI A2792. Pivot opens door to 105° maximum, and is designed for 1-3/8” thru 1-3/4” maximum thickness, U.N.O., for doors not exceeding 3’ wide and 7’ high. For frames that don’t have door stops at head or pivot jamb. Please consult MFG for doors thicker than 1-3/4” thick.

500 Single Acting Standard Weight
- 1-3/8” thru 1-3/4” thick doors
- Max. weight not over 80 lbs

550 Single Acting Heavy Weight
- 1-3/4” thick doors
- Max. weight not over 150 lbs

551 Single Acting Extra Heavy Weight
- 1-3/4” thick doors
- Max. weight not over 180 lbs
Pivot Hinges & Pivot Sets

Pivot sets provide the best possible means of hanging a door. They are designed to work with the laws of physics to provide long-lasting performance and reliability.

- The weight of the door is supported at the bottom by the floor
  - Uses principles of gravity to its advantage
  - Door swings with less resistance
  - Heavier doors can be accommodated
- Reduced stress on frame
  - Fasteners are in shear, not tension
  - Eliminates door sag
  - Vertically adjustable
- Heavy-duty hardened steel spindles
  - Thrust bearing supports vertical load
  - Needle bearings and bushings for lateral force
- Extra-heavy-duty models also have an additional surface applied thrust bearing to handle heavier or high-traffic doors
- Offset pivots provide better weight distribution and can accommodate taller doors
- Intermediate pivots are used for alignment and to ensure proper installation of bottom pivot or floor closer
- Center hung pivots are used for aesthetics or if the pivot point is going to be moved nearer the lock edge of the door
- PIVOTS DO NOT RETURN DOORS TO CENTER.

<table>
<thead>
<tr>
<th>Pivot Hinges</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-life and trouble-free operation</td>
<td></td>
</tr>
<tr>
<td>Door weight up to 1000 lb</td>
<td></td>
</tr>
<tr>
<td>Center hung, 3/4&quot; offset, 1-1/2&quot; offset and pocket door pivots available</td>
<td></td>
</tr>
<tr>
<td>Different styles available</td>
<td></td>
</tr>
<tr>
<td>Variety of applications and finishes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pivot Sets</th>
<th>Door Application</th>
<th>Fire Rated</th>
<th>Mount Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/4&quot; Offset</td>
<td>1-1/2&quot; Offset</td>
<td>Door Weight (lbs.)</td>
</tr>
<tr>
<td>RIXSON Set No.</td>
<td>Center Hung</td>
<td>Door Application</td>
<td>To 3hrs</td>
</tr>
<tr>
<td>127 ¾</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>200</td>
</tr>
<tr>
<td>128 ¾</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>250</td>
</tr>
<tr>
<td>117 ¾</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>300</td>
</tr>
<tr>
<td>370</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>500</td>
</tr>
<tr>
<td>117 ¾</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>600</td>
</tr>
<tr>
<td>147</td>
<td>¾ &quot; Offset</td>
<td>Pivot Edge</td>
<td>600</td>
</tr>
</tbody>
</table>

DORMA LM Series Pivot Sets and Components

The LM Series of pivots using brass and steel are designed for long life and trouble-free operation. Each pivot and pivot set meets DORMA’s exacting specifications for support of rated and non-rated high-traffic interior and exterior openings, extra-heavy doors, or lead-lined doors. Pivots for 20 minute and 3 hour fire-rated doors comply with applicable codes.

<table>
<thead>
<tr>
<th>Item</th>
<th>Finish</th>
<th>SBS Stock #</th>
</tr>
</thead>
<tbody>
<tr>
<td>128-¾ LH</td>
<td>626</td>
<td>631000</td>
</tr>
<tr>
<td>117 LH</td>
<td>626</td>
<td>-</td>
</tr>
<tr>
<td>117-¾ LH</td>
<td>626</td>
<td>-</td>
</tr>
<tr>
<td>370</td>
<td>626</td>
<td>631001</td>
</tr>
<tr>
<td>147</td>
<td>626</td>
<td>-</td>
</tr>
</tbody>
</table>

IVES Top Pivots, Bottom Pivots and Intermediate Hinge Sets:

Complete line of 3/4" offset, 1-1/2" offset, center hung, intermediate and power transfer pivots with all exposed parts made of brass or stainless steel for maximum corrosion Resistance.

High strength brass and stainless steel forgings, and castings for rated and non-rated doors combined with precision bearings for smooth operation. Stainless steel machine screws and wood screws standard. Positive locking vertical adjustment mechanism allows the installer to precisely position the door and balance the load.

Last digit in pivot set number reflects the maximum door weight in hundreds of pound, e.g., 7215 = 500 pounds. For sets designated as “heavy duty”, add 1,000 pounds, e.g., 7237F HD set = 1700 pounds. Consult factory for lead lined doors.

DORMA LM Series Pivot Sets and Components

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</tbody>
</table>

DORMA LM Series Pivot Sets and Components

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<tr>
<td>117 LH</td>
<td>626</td>
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<tr>
<td>117-¾ LH</td>
<td>626</td>
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<td>370</td>
<td>626</td>
<td>631001</td>
</tr>
<tr>
<td>147</td>
<td>626</td>
<td>-</td>
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</tbody>
</table>

DORMA LM Series Pivot Sets and Components

The LM Series of pivots using brass and steel are designed for long life and trouble-free operation. Each pivot and pivot set meets DORMA’s exacting specifications for support of rated and non-rated high-traffic interior and exterior openings, extra-heavy doors, or lead-lined doors. Pivots for 20 minute and 3 hour fire-rated doors comply with applicable codes.

<table>
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<tr>
<th>Item</th>
<th>Finish</th>
<th>SBS Stock #</th>
</tr>
</thead>
<tbody>
<tr>
<td>128-¾ LH</td>
<td>626</td>
<td>631000</td>
</tr>
<tr>
<td>117 LH</td>
<td>626</td>
<td>-</td>
</tr>
<tr>
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<td>626</td>
<td>-</td>
</tr>
<tr>
<td>370</td>
<td>626</td>
<td>631001</td>
</tr>
<tr>
<td>147</td>
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<td>-</td>
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</tr>
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<td>-</td>
</tr>
</tbody>
</table>
Electric Hinges

ETW & ETM - Electric Through-Wire & Electric Through-Wire with Monitoring

Available in 4” though 8” full mortise ball bearing and anti-friction bearing standard weight and heavy weight in stainless steel and brass material.

<table>
<thead>
<tr>
<th>ETW (Electric Through-Wire)</th>
<th>ETM (Electric Through-Wire w/Monitoring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available on:</td>
<td></td>
</tr>
<tr>
<td>• Four continuous electric</td>
<td>• BB1168</td>
</tr>
<tr>
<td>conductors (28 gauge wire)</td>
<td>• BB1191</td>
</tr>
<tr>
<td>• Available in 4” through 8”</td>
<td></td>
</tr>
<tr>
<td>full mortise ball bearing</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td></td>
</tr>
<tr>
<td>Steel, Brass, or Stainless</td>
<td>Steel, Brass, or Stainless Steel</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>Sizes:</td>
<td></td>
</tr>
<tr>
<td>4” x 4”, 4-1/2” x 4-1/2”, 5”</td>
<td>Standard size available 4” through 8”</td>
</tr>
<tr>
<td>5” x 5”</td>
<td></td>
</tr>
<tr>
<td>Notes:</td>
<td></td>
</tr>
<tr>
<td>• 18, 22 or 28 gauge wires</td>
<td>• 28 gauge wire</td>
</tr>
<tr>
<td>• Hinge pins are not field</td>
<td></td>
</tr>
<tr>
<td>removable</td>
<td></td>
</tr>
<tr>
<td>• NRP not necessary</td>
<td></td>
</tr>
<tr>
<td>• Low voltage electric</td>
<td></td>
</tr>
<tr>
<td>current transfer capability</td>
<td></td>
</tr>
<tr>
<td>only</td>
<td></td>
</tr>
<tr>
<td>• 4, 8, or 12 continuous</td>
<td></td>
</tr>
<tr>
<td>electric conductors</td>
<td></td>
</tr>
<tr>
<td>ETW - (18GA), ETW-6-1828 (2-18GA, 4-28GA), ETW-8-1828 (2-18GA, 6-28GA)</td>
<td></td>
</tr>
<tr>
<td>ETW Only:</td>
<td></td>
</tr>
<tr>
<td>SWITCH MAX ELECTRICAL RATING</td>
<td>Specify using symbol “ETW” as suffix</td>
</tr>
<tr>
<td>30 VDC @ .500 Amps</td>
<td>Specify using symbol “ETM” as suffix</td>
</tr>
</tbody>
</table>

RESIDENTIAL HINGES

Round Corner and Square Corner Hinges

Five Knuckle, Plain Bearing Hinges. For residential use only. Conforms to the “Light Weight” requirements of ANSI A156.1

Finishes: Check with MFR for options as not all sizes are available in all finishes

<table>
<thead>
<tr>
<th>HAGER RESIDENTIAL HINGES - FINISH CHART</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hager</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>1D</td>
</tr>
<tr>
<td>2D</td>
</tr>
<tr>
<td>2CD</td>
</tr>
<tr>
<td>H2H x BP</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3LB</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>10A/US11</td>
</tr>
<tr>
<td>10R</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>26</td>
</tr>
<tr>
<td>26D</td>
</tr>
<tr>
<td>32</td>
</tr>
<tr>
<td>32D</td>
</tr>
<tr>
<td>32D x CLR</td>
</tr>
<tr>
<td>P</td>
</tr>
<tr>
<td>ABA/US5</td>
</tr>
<tr>
<td>AN/US15A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAGER</th>
<th>HINGE SIZE</th>
<th>GAUGE OF METAL</th>
<th>HOLE COUNT</th>
<th>PIN DIAMETER</th>
<th>SCREW SIZE (WOOD)</th>
<th>AVAILABLE FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1741</td>
<td>3” x 3”</td>
<td>0.085</td>
<td>6</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
<td>P, 2D, 3, 10A, 26, 26D</td>
</tr>
<tr>
<td>1741</td>
<td>3-3/8” x 3-3/8”</td>
<td>0.085</td>
<td>6</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
<td>P, 1D, 2D, 3, 3LB, 4, 5, 10A, 10R, 15, 15A, 26, 26D</td>
</tr>
<tr>
<td>1741</td>
<td>4” x 4”</td>
<td>0.085</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
<td>P, 1D, 2D, 4, 5, 10A, 10R, 15, 15A, 26, 26D</td>
</tr>
</tbody>
</table>
Continuous Gear Hinges

**Roton Hinges Continuous Gear Hinges**

Provides permanent insurance against a door that may not open/close properly. Roton evenly distributes the door weight thus corrects and prevents any warping, sagging, or deflection. Door and frame reinforcements are not required. Rustproof high strength aluminum alloy extrusions keep doors and frames in perfect alignment.

The continuous geared hinge has a closer kickback “shock,” vibration and other abuses are eliminated.

### Concealed Leaf Hinges
- **Clearance:** 5/16” hinge side
- **Material:** Aluminum 6063-T6
- **Door/Frame Reinforcements:** Not req to 200 lbs (Heavier wt use 16 Ga. channel)
- **Fasteners:** #12-24 x 11/16” Flat head self-drill screws
- **Fire Rating:** Up to 3 hr metal, 90 min wood composite
- **Electric Modifications:** Allowed on 780-111, 780-112, 112HD ONLY

### Full Surface Hinges
- **Clearance:** 1/32” hinge side
  - **Material:** Aluminum 6063-T6
  - **Door/Frame Reinforcements:** Not req to 200 lbs (Heavier wt use 16 Ga. channel)
  - **Fasteners:** 1/4-20 X 1-1/4” Sex bolts (Screw & Post) #12-24 x 11/16” Flat head self-drill screws
  - **Fire Rating:** Up to 3 hr metal, 90 min wood composite

### Half Surface Hinges
- **Clearance:** Standard lockside clearance
- **Material:** Aluminum 6063-T6
- **Door/Frame Reinforcements:** Not req to 200 lbs (Heavier wt use 16 Ga. channel)
- **Fasteners:** 1/4-20 X 1-1/4” Sex bolts (Screw & Post) #12-24 x 11/16” Flat head self-drill screws

### Select Products Limited Continuous Gear Hinges

**SL57 SD/HD**

Fits narrow (7/8”) frame face. Tamper resistant, removable door leaf cover. 1/16” door inset. Standard barrel nuts accommodate 1-3/8” to 1-3/4” doors. Long barrel nuts available for 2” to 2-1/4” doors. All SL57 geared continuous hinges are BHMA Grade 1 certified.

*S Products not typically stocked at SBS, however available by special order.*

---

**Schuham Builder’s Supply Company, Inc.**

**Hours of Operation:** 7:30 AM Until 4:00 PM • **Phone:** 773/286-0123 or 888/SCHUHAM
### Cylindrical Locks

#### 6K, 7K, 8K, 9K Series Function Chart

<table>
<thead>
<tr>
<th>KEYLESS</th>
<th></th>
<th>DOUBLE KEYED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L Function</strong>&lt;br&gt;Privacy Lock&lt;br&gt;Latchbolt operated by knob from either side. Outside knob is locked by push button inside and unlocked by emergency key outside, rotating inside knob or by closing door.</td>
<td><img src="image" alt="L Function Diagram" /></td>
<td><strong>C Function</strong>&lt;br&gt;Apartment Lock&lt;br&gt;Deadlocking latchbolt operated by knob from either side, except when outside knob is locked by key from inside. When outside knob is locked, latchbolt may be retracted by key outside or by rotating inside knob.</td>
</tr>
<tr>
<td><strong>N Function</strong>&lt;br&gt;Passage Lock&lt;br&gt;Latchbolt operated by knob from either side at all times.</td>
<td><img src="image" alt="N Function Diagram" /></td>
<td><strong>G Function</strong>&lt;br&gt;Store Lock&lt;br&gt;Deadlocking latchbolt operated by knob from either side, except when both knobs are locked by key in knob from either side.</td>
</tr>
<tr>
<td><strong>P Function</strong>&lt;br&gt;Patio Lock&lt;br&gt;Latchbolt operated by knob from either side. Outside knob is locked by push button inside and unlocked by rotating inside knob or by closing door.</td>
<td><img src="image" alt="P Function Diagram" /></td>
<td><strong>S Function</strong>&lt;br&gt;Communicating Lock&lt;br&gt;Deadlocking latchbolt operated by knob from either side. Turning key in either knob locks or unlocks its own knob independently.</td>
</tr>
</tbody>
</table>

#### Lever Styles

Lever Styles pictured with Trim Style C. All Lever Styles are available with any of the Trim Styles shown below.

- 14 - Curved return
- 15 - Contour angle return
- 16 - Curved no return

#### Trim Styles

Trim Styles pictured with Lever Style #14. All Trim Styles are available with any of the Lever Styles shown above.

- C
- D
- K
- L
BHMA #F81
7K - Grade 2

AB Function
Corridor Lock
Deadlocking latch retracted by either knob. Pushing button locks outside knob until unlocked by key outside, turning inside knob or closing door. Pushing and turning button locks outside knob, latch is retracted by key or turning inside knob. Knob remains locked until button is manually returned to unlocked position.

BHMA #F86
8K/9K - Grade 1
6K/7K - Grade 2

E Function
Service Station Lock
Deadlocking latchbolt operated by knob from either side, except when outside knob is locked by push button inside. Key outside, rotating inside knob or closing door, releases button unlocking outside knob, except when slotted push button is rotated to a locked position. Inside knob always operates.

BHMA #F92
8K/9K - Grade 1
5K - Grade 2

H Function
Hotel Guest Room Lock
Outer knob always inoperative. Deadlocking latchbolt operated by inside knob at all times or by key in outer knob except when inside push is depressed. Depressing push button operates large visual indicator in outer knob showing room is occupied, and blocking operative keys. Removing core with control key permits use of special emergency key to open lock. Closing door or turning inside knob releases key block feature. Core exchange permits locking out all keys.

BHMA #F93
8K/3K - Grade 1

R Function
Classroom Lock
Deadlocking latchbolt operated by knob from either side, except when outside knob is locked from outside by key. When outside knob is locked, latchbolt is operated by key outside or by rotating inside knob.

BHMA #F94
8K/9K - Grade 1
6K/7K - Grade 2

T Function
Dormitory Lock
Deadlocking latchbolt operated by knob from either side. Knob locked or unlocked by key from outside, by push button from inside. Key outside, rotating inside knob, or closing door releases button unlocking outside knob.
Cylindrical Leversets
GENESYS SERIES

ANSI GRADE 1 HEAVY DUTY CYLINDRICAL LEVERSETS
• Meets ADA requirements
• Specially designed for Barrier Free Application
• Exceeds BHMA/ANSI A156.2
• Series 4000, Grade 1 requirements
• Exceeds 1,000,000 cycles.

General
Full length 4 3/4" lever handle with 3/8" return on GN and SPA design. Rose diameter 3 1/2". Key removable outside lever for fast rekeying. Non-handed levers. Concealed mounting screws.

Clutch
Free turning handle in the lock position without retracting the latch, to deter breaking of handle.

Applications
For offices, schools, hospitals, apartments, hotel/motel, residential, commercial and public buildings.

Door Ranges
1 3/8” to 1 3/4" thickness. 2” to 2 1/4" thickness also available on request.

ANSI Standards
Meets or exceeds BHMA/ANSI A 156.2 Series 4000, grade 1 requirements.

Latch Faceplate
Standard 2 1/4” x 1 1/8” for 2 3/4” backset. Optional 2 1/4” x 1” for 2 3/8” backset.

Strikes
ASA 1 1/4” x 4 7/8” standard. Other strikes available upon request.

Cylinder & Keyways

Trim
Thru-bolt assembly through door with separate spring cage for each lever.

Housing
Cold rolled steel and zinc dichromate finish for rust resistant with precision cast steel retractor. 2 1/8” diameter bore.

Interchangeable Core
Interchangeable core locks will accept compatible 6 or 7 pin cores with Best, Falcon and Arrow.

Also available with Schlage, Corbin-Russwin, Sargent and Yale format specifications., refer to next page.

Latch Options
2 3/4” standard, brass with 1/2” throw. 2 3/8”, 3 3/4” and 5” backset optional. GND750 deadlatch reversible for flat and beveled door. 3/4” throw anti-friction deadlatch for pair of fire doors.

Electrified Locks, Tactile & Lead Lining
Available upon request

Genesys Series Lever Finishes
605 Polished Brass
606 Satin Brass
609 Antique Brass
612 Satin Bronze
613 Oil-Rubbed Bronze
619 Satin Nickel
625 Polished Chrome
626 Satin Chromium Plated
626 Satin Chrome

ENTRANCE/OFFICE LOCK
Turn/push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Pushing button locks outside lever until unlocked with key or inside lever is turned.

ENTRANCE LOCK PUSH BUTTON
Pushing button in inside lever locks outside lever. Turning inside lever or operating key in outside lever releases button automatically. Closing door does not release button. Button can be fixed in lock position. Inside lever always free. Latch bolt automatically deadlocks when door is closed.
MORTISE LEVERSETS

NM8000 SERIES

DORMITORY NON-CLUTCH
Deadlocking latch bolt operated by lever from either side except when outside lever is locked by key or by push button on inside lever. Key in outside lever locks or unlocks outside lever. Outside key releases push button when locked from inside. Rotating inside lever or closing the door releases push button. (Non Clutch)

CLASSROOM/INTRUDER
Latch bolt is operated by rotating the inside lever, or rotating the outside lever only when not locked from the inside or outside key.

INSTITUTION
Deadlocking latch bolt operated by key in lever from either side. Both levers always fixed.

STOREROOM LOCK
Deadlocking latch bolt operated by key in outside lever or by rotating inside lever. Outside lever is always locked.

COMMUNICATING LOCK
Deadlocking latch bolt operated by lever from either side. Turning key in either lever locks or unlocks its own lever independently.

CLASSROOM LOCK
Deadlocking latch bolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked, latch bolt is operated by turning inside lever.

PRIVACY LOCK
Latch bolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside. Turning inside lever or closing door releases push button.

PASSAGE SET
Latch bolt operated by lever from either side at all times.

VESTIBULE
Deadlocking latch bolt operated by lever from either side except when outside lever is locked by key from inside. Latch bolt may be retracted by key in outside lever or by rotating inside lever.

DEXTER LEVER
Single dummy trim for one side of door. Pull only.

EXIT LOCK
Blank plate outside. Inside lever always unlocked.

Extra heavy duty mortise locks, Grade 1
• 100% internal parts quality inspection provides security, reliability and durability
• Available with Interchangeable core
• Handed, easily field-reversible
• Electrified locks available upon request

Lockcase: Heavy gauge zinc chromate steel
Front: Heavy gauge steel 8” x 1 1/4” x 3/32”
Armored Front: Wrought brass attached by machine screws to lock case front
Deadbolt: 1” throw, brass chrome plated with hardened steel rollers
Guardbolt: Extruded brass, chrome plated
Stopworks: Rocker type, brass, chrome plated
Strikes: Brass, non-handed curve strike 4 7/8” x 1/4” (Curved-up strike available upon request)

Function:
MN8050 - Office
MN8070 - Classroom
MN8080 - Storeroom
MN8453 - Entrance
MN8040 - Privacy
MN8010 - Passage
MN8170 - Dummy

Finishes

Trim Options

GS
TS
SS
## Cylindrical Lever Locksets

### Functions

<table>
<thead>
<tr>
<th>OUTSIDE / INSIDE</th>
<th>SERIES FUNCTION</th>
<th>TYPE</th>
<th>ANSI NO.</th>
<th>FUNCTION DESCRIPTION</th>
</tr>
</thead>
</table>
|                  | CL3310          | Passage or Closet | F75  | • Latchbolt by lever either side.  
• Both levers always free. |
|                  | CL3320          | Privacy Bedroom or Bathroom | F76A | • Throw-off latchbolt by lever.  
• Outside lever locked by push button. (Lever handle is freewheeling in locked position.)  
• Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door.  
• Inside lever always free. |
|                  | CL3351          | Entrance or Office | F109 | • Deadlocking latchbolt by lever either side, except when turn button locks outside lever. Pushing turn button in locks outside lever, requiring use of key outside to unlock. (Lever handle is freewheeling in locked position.)  
• Turning inside lever unlocks outside lever.  
• Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position.  
• Inside lever always free. |
|                  | CL3355          | Classroom | F84  | • Deadlocking latchbolt by lever either side, except when key outside locks outside lever. (Lever handle is freewheeling in locked position.)  
• Outside lever unlocked by key outside.  
• Inside lever always free. |
|                  | CL3357          | Storeroom or Closet | F86  | • Deadlocking latchbolt by key in outside lever or by rotating inside lever. (Lever handle is freewheeling in locked position.)  
• Inside lever always free. |

**NOTE:** Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

- Indicates optional interchangeable core available.
- Indicates freewheeling lever in locked position.
<table>
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<tr>
<th>OUTSIDE / INSIDE FUNCTION</th>
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</tr>
</thead>
</table>
|                           | CL3380 | Passage Lever x Blank Plate | F111 | • Latchbolt by lever.  
• Lever on one side; blank plate on other side.  
• Lever always free.  
• For single or double communicating doors. |
|                           | CL3381 | Keyed Lever x Blank Plate | F113 | • Deadlocking latchbolt by lever, except when lever is locked by key.  
(Lever handle is freewheeling in locked position.)  
• Lever on one side; blank plate on other side.  
• Key unlocks lever |
|                           | CL3350 | Half Dummy Trim | – | • Lever acts as pull only; no operation.  
• Lever is rigid. |
|                           | CL3370 | Full Dummy Trim | – | • Levers act as pulls only; no operation.  
• Levers are rigid. |

NOTE: Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

- Indicates optional interchangeable core available.
- Indicates freewheeling lever in locked position.
### Mortise Locksets
#### ML2000 Series

<table>
<thead>
<tr>
<th>OUTSIDE / INSIDE</th>
<th>SERIES FUNCTION</th>
<th>TYPE</th>
<th>ANSI NO.</th>
<th>FUNCTION DESCRIPTION</th>
</tr>
</thead>
</table>
| ![ML2003](image) | ML2003          | Classroom | –     | • Lock or unlock outside grip by key.  
• Latchbolt by grip either side, unless outside grip is locked.  
• Inside grip always free.  
• Auxiliary latch deadlocks latch. |
| ![ML2010](image) | ML2010          | Passage or Closet | F01 | • Latchbolt by grip either side.  
• Both grips always free. |
| ![ML2020](image) | ML2020          | Privacy Bedroom or Bathroom | F02 | • Latchbolt* either side, when deadbolt is retracted.  
• Deadbolt by thumbturn grip inside or by emergency release tool outside.  
• No simultaneous deadbolt and latch retraction  
• Non-panic release  
• Not available with M19S or M19SN |
| ![ML2024](image) | ML2024          | Entrance or Storeroom | F21 | • Latchbolt* either side when deadbolt is retracted.  
• Deadbolt by key outside or by thumbturn grip inside.  
• Non-panic release.  
• No simultaneous deadbolt and latch retraction |
| ![ML2048](image) | ML2048          | Entrance or Apartment | F08 | • Latchbolt* by key outside or by grip either side, unless outside grip is locked by toggle-action stop.  
• Deadbolt by key outside or by thumbturn grip inside.  
• Inside grip free when deadbolt is retracted.  
• Non-panic release.  
• No simultaneous deadbolt and latch retraction  
Note: Indicator shows deadbolt position only |

**NOTE:** When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

- **Indicates Indicator option is available**
- **VR** Function available in Vandal Resistant Trim
- **HSS** Function available in Anti-Harm Trim
- **Indicates rigid grip**
# Mortise Locksets
## ML2000 Series

<table>
<thead>
<tr>
<th>OUTSIDE / INSIDE</th>
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</tr>
</thead>
</table>
|                  | ML2053          | Entrance or Office | – | • Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn.  
• Unlocked by key or thumbturn.  
• Outside grip locked or unlocked by key or thumbturn.  
• Latchbolt by key when outside grip locked.  
• Auxiliary latch deadlocks latchbolt.  
• Inside grip always free. |
|                  | ML2057          | Classroom Holdback | F07 | • Latchbolt by grip inside or by key outside.  
• Outside grip always rigid.  
• Auxiliary latch deadlocks latchbolt.  
• Inside grip always free. |
|                  | ML2060          | Privacy | F22 | • Latchbolt by grip either side, except when outside grip is locked by thumbturn inside.  
• Operating inside grip, closing door or operating emergency key outside unlocks outside grip.  
• Inside grip always free.  
• Not available with M19S or M19SN |
|                  | ML2070          | Full Dummy Trim | – | • Grips act as pulls only; no operation. |
|                  | ML2080          | Half Active Dummy Trim | – | • Non-latching operation  
• Grip always active; acts as push or pull only |
|                  | ML2090          | Full Active Dummy Trim | – | • Non-latching operation  
• Both grips always active; acts as push or pulls only |

**NOTE:** When lever handles are furnished, both outside and inside are locked when deadbolt is projected.
Mortise Locksets
ML2000 Series

- Armored front conceals lock mounting screws and one-piece heavy-gauge steel front
- Deadbolt at 1" throw will project further than latchbolt at 3/4" throw
- 1" throw, one-piece deadbolt meets security Grade 1
- Heavy-duty 3/4" throw latchbolt with stainless steel insert provides positive secure latching
- Patented latchtail enables easy handing changes (Patent # 6,349,382)
- Heavy-gauge internal parts provide security, reliability, and durability

Corbin Russwin
ASSA ABLOY
Emtek is dedicated to creating distinctive residential hardware with a commercial quality. Emtek's products are a cut above in terms of craftsmanship and design. Each order is custom assembled in our Southern California facility. There is no predetermined combination of knobs, levers, rosettes and finishes; we let you mix and match according to your own taste. Emtek custom assembled locks are typically shipped within 2 - 3 business days to Schuham Builder's Supply.

Founded in 1981, Emtek has decades of experience creating door hardware. We keep our finger on the pulse of the market and regularly release new designs. Our style is current, but we never forget about the classics. From traditional to contemporary, transitional, or rustic, we have hardware to match every style. Emtek is a part of ASSA ABLOY, the global leader in door opening solutions.

**Mortise Entrysets**

**Can be ordered with any brass knob or lever for the inside trim. Sold as a complete set. Latches and strike plates.**

**Technical Specs:**
- 2-1/2" or 2-3/4" Backsets
- Standard Mortise Door Prep ANSI A115.1
- UL Listed Mortise with ANSI F20 or F13 Function
- Schlage C Keyway
- Handing required for all Mortise Locks

**Sandcast Bronze Key in Leversets**

Durango Level with #4 Rosette in Medium Bronze Finish. Sold as complete set. Includes Rosette, Latch and Strike Plate

**Technical Specs:**
- Standard Door Prep & Installation
- Schlage C Keyway
- Standard latch is for 2-3/8" backset (Specify 2-3/4" backset if required)
- Handing required for Leversets
Bored Locks

Keyways

The patented Degree system from SARGENT provides the right level of security for each opening in your facility with three levels of ANSI/BHMA Grade 1 protection, from patented keyway to UL437 certified. A common key for all three levels of security enhances key control and simplifies administrative procedures. Key blanks are controlled through authorized distribution and geographical protection is available. Available for mortise, rim, component and Large Format Interchangeable Core (LFIC) cylinders, SARGENT offers the right Degree of protection for every door in your facility.

Cylinder Systems

HIGH SECURITY

Keso® F1
The SARGENT Keso F1 Security System offers the building owner full control over field duplication of keys, highly pick resistant cylinders, expanded levels of master keying and a proprietary patented key system. With the Keso F1 cylinder, it is impossible to determine the configuration of the key system or its upper level master keys by examining the pinning configuration, providing the highest level of key system security available on the market today!

EXTRA CONTROL

Signature
Extra security, exclusive end-user pattern, and protected key control are the main benefits of the Signature Series. The protected key design provides additional control over unauthorized key duplication, while the cylinder’s unique design resists attempts at manipulation. The Signature feature is offered in the majority of Sargent keyways to provide a perfect solution to upgrading the level of control in an existing masterkey system.

INTERMEDIATE CONTROL

XC Series
The XC Series features specially designed, patent protected keys which operate XC Cylinders and Conventional cylinders in one key system. XC Series cylinders can be integrated into most existing SARGENT systems or as a new system. Multiple security levels are available to provide key control, convenience and service that meet the demands of each installation.

LIMITED CONTROL

Conventional Cylinders
Cylinders and keys provide a minimal level of control in a full range of keyways. Geographically restricted key sections are available.

6300 Series Removable Core
The 6300 Series Removable Core cylinders and construction cores allow quick change of keying without having to remove the lock from the door or disassemble the knob or lever. Cores are interchangeable with all SARGENT mortise locks, exit devices, cylindrical locks, padlocks and auxiliary locks.

7300 Series Interchangeable Core
The SARGENT version of ARROW, BEST and FALCON type interchangeable core is offered in two new SARGENT keyways and the BEST keyways. These cores are available in 6 and 7 pin keyways.
SARGENT
ASSA ABLOY

Built For Demanding Environments

Direct linkage with fixed alignment between the hub and the latch bolt is the best construction for quietly and effectively operating the latchbolt. For this reason, SARGENT has developed the interlocking aligning and latch tubes, which form a rugged torque resistant “T” in the critical twist area. This “T-Zone” construction, combined with long lasting components, makes T-Zone Lever locks outstanding!

FEATURES
• 18 functions available, including Hospital Privacy; many functions are field changeable requiring no additional parts
• Integrates into most existing facility’s key systems - accepts SARGENT key systems including Degree® and Signature; also accepts SFIC and Schlage® and Medeco® LFIC
• Fits standard 161 door prep and is non-handed
• Simple cylinder removal provides easy change outs
• Made from 68% post-consumer recycled content as per LEED MR credit 4
• Available in 13 hardware finishes and Microshield® antimicrobial coating
• 10-year limited warranty
• Withstands more than 2x’s ANSI/ BHMA A156.2 Grade 1 torque force on a locked lever
• T-Zone lock technology tested to 15 times the standard in ANSI/BHMA A156.2 Grade 1 cycle testing
• 15 MILLION cycles equals over 55 years of opening life in many facilities

BENEFITS
• Durable and Reliable: Independently-verified cycle testing proves the 11 Line will last the lifetime of the facility. No through bolts or surface screws to be installed improperly or forgotten; T-Zone construction prevents the lock from twisting
• Flexible: Integrates with numerous key systems and utilizes one lockbody for multiple functions, simplifying facility maintenance
• Lower Cost of Ownership: Fewer inventoried parts combined with a high number of opening cycles results in less time and frequency for maintenance and reduced overall expense
• Safe and Secure: Torque resistant construction provides ability to withstand tough environments like healthcare facilities, keeping occupants and property safe and secure.
• Sustainable: Contributes to your sustainability efforts - fewer lock replacements due to long life and high post-consumer recycled content
• Healthy Environment: Microshield® coating available; supplements your cleaning protocol for a healthier environment to keep germs at bay

APPLICATIONS
High Traffic & Abuse Areas – Offices, public buildings, hospitals Institutions, schools, laboratories, public restrooms & retail

Schuham Builder’s Supply Company, Inc.
Hours of Operation: 7:30 am Until 4:00 pm • Phone: 773/286-0123 or 888/SCHUHAM
## Bored Locks
### Specifications & Trim Designs

### 11 Line (T Zone)  
#### Specifications
- **For Doors**
  - 1-3/4" (44mm) to 2" (51mm) thick.
- **Backset**
  - 2-3/4" (70mm) standard, 3-3/4" (95mm) available (C2- profile).
- **Latchbolt**
  - Stainless steel bolt: 7/8" (22mm) dia. x 1/2" (13mm) throw, 3/4" (19mm) throw for pairs of doors (C2- profile).
- **Front**
  - Wrought brass, bronze or stainless steel, 2-3/4" (70mm) x 1-1/8" (28mm). Self-adjusting for flat to 1/8" (3mm) in 2" (50mm) levels.
- **Strike**
- **Hand**
  - Universal, not handed.
- **Springs**
  - Two independent spring noses. One for each lever.
- **Cylinders**
  - Brass, 6 pin. Available in Signature, V-10, Porto, removable core. SCH-NC:
- **Finishes**
  - 3, 4, 9, 10, 10B, 10L, 20L, 20, 25, 25D
- **Split Finishes**
  - Available
- **Milling (levers) or Knurling (knobs)**
  - Milled on inside of lever handle.
- **Available Options**
  - Prefix 83-3-3/4" (95mm) Backset.
  - 25-9 (127mm) Backset.
  - 28-ANS 4-7/8" (124mm) Strike.
  - SC & SE - Schlage Keyways.

### Trim Designs
#### 11 Line (T Zone)
- OL  
- LJ  
- BP  
- EB  

#### 7 and 10 Lines
- LB  
- LP  
- LL  
- LJ  

(lever type not available in free-wheeling or 7 line)
### Bored Locks

**Specifications & Trim Designs**

<table>
<thead>
<tr>
<th>6500 Line</th>
<th>8X Line</th>
<th>6 Line</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Duty, Exceeds ANSI A156.1, Series 400, Grade 2.</strong></td>
<td><strong>Heavy Duty, BHMA certified under ANSI A156.2, Series 400, Grade 1.</strong></td>
<td><strong>Standard Duty, BHMA certified under ANSI A156.2, Series 400, Grade 2.</strong></td>
</tr>
<tr>
<td>Conforms to standards UL 30: “Passive Pressure fire tests of door assemblies” and UBC 1-2 (1990 7-2 (1997)).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-3/4&quot; (35mm) to 1-3/4&quot; (44mm) thick.</td>
<td>1-3/4&quot; (35mm) to 1-3/4&quot; (44mm) thick.</td>
<td>1-3/4&quot; (35mm) to 1-3/4&quot; (44mm) thick.</td>
</tr>
<tr>
<td>2-3/4&quot; (70mm) standard, 2-3/8&quot; (60mm) available.</td>
<td>2-3/4&quot; (70mm) standard, 2-3/8&quot; (60mm) available.</td>
<td>2-3/4&quot; (70mm) standard, 2-3/8&quot; (60mm) available.</td>
</tr>
<tr>
<td>Brass, 1/2&quot; (13mm) throw.</td>
<td>Anti-Friction, 1/2&quot; (13mm) throw.</td>
<td>Brass, 1/2&quot; (13mm) throw.</td>
</tr>
<tr>
<td>Brass, stainless steel 2-3/4&quot; (70mm), 1-1/8&quot; (35mm) x 1/8&quot; (5mm) in 2&quot; (51mm).</td>
<td>Brass, stainless steel 2-3/4&quot; (70mm), 1-1/8&quot; (35mm) x 1/8&quot; (5mm) in 2&quot; (51mm).</td>
<td>Brass, stainless steel 2-3/4&quot; (70mm), 1-1/8&quot; (35mm) x 1/8&quot; (5mm) in 2&quot; (51mm).</td>
</tr>
<tr>
<td>Standard curved lip #500, 2-3/4&quot; (70mm), Brass, stainless steel.</td>
<td>Standard curved lip #500, 2-3/4&quot; (70mm), Brass, stainless steel.</td>
<td>Standard curved lip #600, ANSI A156.3, 2-3/4&quot; (70mm), Brass, bronze, stainless steel.</td>
</tr>
<tr>
<td>Universal, not handed.</td>
<td>Universal, not handed.</td>
<td>Non-keyed sets, universal. Non-keyed sets are handed (specify RH or LH).</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3, 4, 10, 10B, 26, 260</td>
<td>3, 4, 10, 10B, 26, 260, 26B, 250, 252, 310</td>
<td>3, 4, 10, 10B, 260</td>
</tr>
<tr>
<td>Available</td>
<td>Available</td>
<td>Available</td>
</tr>
<tr>
<td>Keystoning (C knobs only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prefix 1A, Full Lip Strike. 20, 2-3/8&quot; (45mm) Backset. 26, ANSI 4-7/8&quot; (124mm) Strike. 630-530-580-Schlage Keypads.</td>
<td>Prefix 2A, 3-3/4&quot; (95mm) Backset. 25-5&quot; (522mm) Backset. 26-MSI 4-7/8&quot; (124mm) Strike. 35-8 Line (for doors up to 6' 15/16&quot;.</td>
<td>Prefix 22, 3-3/4&quot; (95mm) Backset. 21-2-3/4&quot; (70mm) Backset. 25-5&quot; (127mm) Backset. 28-MSI 4-7/8&quot; (124mm) Strike.</td>
</tr>
</tbody>
</table>

***Leaver Locks***

All lever locks are designed to conform to national ADA handicapped requirements.

**11 Line (T Zone)**

See page 75 for detailed description.

**10 Line**

A rugged, heavy duty lock that exceeds ANSI Grade 1 requirements and complies with the “Buy American Act”. With a variety of functions, it is ideal for schools, public buildings, hospitals, classrooms or other high abuse installations.

**7 Line**

Standard duty lock designed for interior and exterior applications in public buildings, medical offices, hotels/motels and government facilities.

**6500 Line**

Standard duty lever lock well-suited for small offices, storerooms, restrooms and clinics.

***Knob Locks***

**8x Line**

Heavy duty, with interlocking aligning tube and latch tube for exceptional strength and durability, making it an ideal candidate for high abuse areas. Schools, hotels/motels, government facilities and hospitals all benefit from the smooth operation and strength that result from the solid construction of this lock.

**6 Line**

Incorporating a broad spectrum of functions, designs and finishes, the 6 line is suited for apartment houses, offices, motels and small commercial buildings.

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**Hours of Operation:** 7:30 AM until 4:00 PM  
**Phone:** 773/286-0123 or 888/SCHUHAM
### Bored Locks

**Functions**

This chart lists common functions and their variations within each of the lock lines. Shaded levers indicate that they are rigid at all times. ANSI function numbers (prefix F) are shown where applicable. Other functions available. Additional information can be found in the lock sections of the Sargent catalog or at www.sargentlock.com.

<table>
<thead>
<tr>
<th>Location/Description</th>
<th>Function</th>
<th>11 Line (T Zone)</th>
<th>10 Line</th>
<th>7 Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>Store or Closet (04)</td>
<td></td>
<td>F86</td>
<td>F86</td>
<td>F86</td>
</tr>
<tr>
<td>Entrance or Office (05)</td>
<td></td>
<td>F81</td>
<td>F81</td>
<td>F81</td>
</tr>
<tr>
<td>Exit Latch (13)</td>
<td></td>
<td>F89</td>
<td>F89</td>
<td>F89</td>
</tr>
<tr>
<td>Passage (15)</td>
<td></td>
<td>F75</td>
<td>F75</td>
<td>F75</td>
</tr>
<tr>
<td>Classroom Security, Apartment: Exit (16)</td>
<td></td>
<td>F88</td>
<td>F88</td>
<td>F88</td>
</tr>
<tr>
<td>Room Door (24)</td>
<td></td>
<td>F82</td>
<td>F82</td>
<td>F82</td>
</tr>
<tr>
<td>Store or Storeroom (26)</td>
<td></td>
<td>F84</td>
<td>F84</td>
<td>F84</td>
</tr>
<tr>
<td>Classroom on Hospital (27)</td>
<td></td>
<td>F84</td>
<td>F84</td>
<td>F84</td>
</tr>
<tr>
<td>Hobo/Visitor (50)</td>
<td></td>
<td>F93</td>
<td>F93</td>
<td>F93</td>
</tr>
<tr>
<td>Dormitory (54)</td>
<td></td>
<td>F80</td>
<td>F80</td>
<td>F80</td>
</tr>
<tr>
<td>Privacy, Bedroom or Bathroom (65)</td>
<td></td>
<td>F76</td>
<td>F76</td>
<td>F76</td>
</tr>
<tr>
<td>Single Lever Pull (93)</td>
<td></td>
<td></td>
<td>93</td>
<td>93</td>
</tr>
<tr>
<td>Double Pull (94)</td>
<td></td>
<td></td>
<td>94-2</td>
<td>94-2</td>
</tr>
</tbody>
</table>

* Freewheeling (FW) available for this function in 7 and 10 line.
SL lever handle for 6 Line is furnished only where indicated by this symbol; e.g. 6G04 can be furnished with the SL lever inside, and any knob outside.

<table>
<thead>
<tr>
<th>Function</th>
<th>6500 Line</th>
<th>8X Line</th>
<th>6 Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>G04</td>
<td>FB6</td>
<td>FB6</td>
<td>FB6</td>
</tr>
<tr>
<td>G05</td>
<td>F81</td>
<td>F81</td>
<td>F81</td>
</tr>
<tr>
<td>G13</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>U11</td>
<td>F75</td>
<td>F75</td>
<td>F75</td>
</tr>
<tr>
<td>G16</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G17</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G24</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G25</td>
<td>F82</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G37</td>
<td>F84 (37 functions)</td>
<td>F84</td>
<td>F84</td>
</tr>
<tr>
<td>G38</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G56</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>G54</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>U55</td>
<td>F76</td>
<td>F76</td>
<td>F76</td>
</tr>
<tr>
<td>U93</td>
<td>93</td>
<td>93</td>
<td>93</td>
</tr>
</tbody>
</table>

- Bored Locks
- Functions

Hours of Operation: 7:30 AM Until 4:00 PM • Phone: 773/286-0123 or 888/SCHUHAM
Mortise Locks

8200 Electrified Mortise Lock
Featuring Ecoflex technology, SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

8200 Mortise Lock
The Strongest Lock on the Block
When it comes to strength and durability, SARGENT continues to set standards with the 8200 Mortise lock. The 8200 far surpasses ANSI/BHMA A156.13 Series 1000 Grade 1 standards, making it the strongest and most durable mortise lock in the industry. SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability.

R8200 with Simpli Roseless Trim
This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simpli™ creates a flawless aesthetic vision on any door opening. Simpli™ is offered on the R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the R8200 Series, Simpli™ is also available with the RDL Series tubular locks and Harmony R8200 Series mortise locks.

7900 Mortise Lock
The SARGENT 7900 Series Mortise Locks provide a quality Grade 1 lock ideal for schools, apartment housing and commercial buildings. Certified to ANSI/BHMA Grade 1 standards and UL fire-tested for all functions the 7900 Mortise Lock ensures durability and protection.

M9200 Institutional Mortise Lock with Mogul Cylinder
The M9200 Institutional Mortise Lockset is designed for use in detention facilities, holding areas and psychiatric facilities.

9200 High Security Locksets
The 9200 High Security Mortise Lockset is designed for use on those openings subject to extreme abuse, vandalism, and malicious impact. It is well-suited for exposed perimeter doors in commercial facilities.

7800 Knob Locks
Heavy duty, BHMA certified under ANSI A156.13 Series 1000 Grade 1. UL listed for use on fire doors. UL listed to Canadian Safety Standards. Conforms to standards UL10C 'Positive Pressure fire tests of door assemblies' and UBC 7-2 (1997). SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability.
This chart lists common functions and their variations within each of the lock lines. Shaded knobs or levers indicate that they are rigid at all times. ANSI function numbers (prefix F) are shown where applicable. Other functions available. Additional information can be found in the lock sections of the Sargent catalog or at www.sargentlock.com.

<table>
<thead>
<tr>
<th>Location/Description</th>
<th>Function</th>
<th>8200 Line &amp; 9200 High Security Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storeroom or Closet (04) Latchbolt by key OS, inside by trim. Outside lever/knob is rigid at all times. Guardbolt deadlocks latchbolt.</td>
<td>04 &amp;*</td>
<td>F07</td>
</tr>
<tr>
<td>Entrance or Office (05) Latchbolt by either trim. By key OS when OS trim is locked by key. Trigger must be manually released. Guardbolt deadlocks latchbolt.</td>
<td>05</td>
<td>F04</td>
</tr>
<tr>
<td>Exit Latch (13) Latchbolt by OS trim at all times. No OS trim. Guardbolt deadlocks latchbolt.</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Passage (15) Latchbolt by either trim at all times.</td>
<td>15 &amp;*</td>
<td>F01</td>
</tr>
<tr>
<td>Apartment, Slair or Exit (16) By trim from either side except when OS trim is locked by key. Key OS trim retains latchbolt when OS trim is locked. Guardbolt deadlocks latchbolt.</td>
<td>16 &amp;*</td>
<td>F09</td>
</tr>
<tr>
<td>Asylum (17) Either trim rigid at all times. Latchbolt by key from either side. Guardbolt deadlocks latchbolt.</td>
<td>17 &amp;*</td>
<td></td>
</tr>
<tr>
<td>Storeroom (24) Latchbolt by either trim. Deadbolt and OS trim locked and unlocked by key OS only. All purpose. Dormitory or Exit (25) Latchbolt by either trim. Deadbolt and OS trim locked and unlocked by trim lever OS or key OS. VS trim retains latchbolt and deadbolt simultaneously.</td>
<td>24 &amp;*</td>
<td>F21</td>
</tr>
<tr>
<td>All purpose. Dormitory or Exit (25) Latchbolt by either trim. Deadbolt and OS trim locked and unlocked by trim lever OS or key OS. VS trim retains latchbolt and deadbolt simultaneously.</td>
<td>25 &amp;*</td>
<td>F13</td>
</tr>
<tr>
<td>Store or Storeroom (26) Latchbolt by either trim. Key on either side locks or unlocks OS trim only. Trim will not retract deadbolt from either side.</td>
<td>26 &amp;*</td>
<td>F14</td>
</tr>
<tr>
<td>Classroom or Hospital (37) Latchbolt by either trim. Key OS locks or unlocks OS trim. VS trim operate at all times. Guardbolt deadlocks latchbolt.</td>
<td>37 &amp;*</td>
<td>F05</td>
</tr>
<tr>
<td>Classroom Security Lock (38) Latchbolt retracted by either trim unless outside trim is locked by key. Key on either side locks or unlocks OS trim. Latchbolt can be retracted by key when outside trim is in the locked position. Inside trim always able to retract latchbolt. Guardbolt deadlocks latchbolt.</td>
<td>38 &amp;*</td>
<td>F32</td>
</tr>
<tr>
<td>Classroom Security Deadbolt Lock (39) Latchbolt retracted by either trim. Deadbolt opened by key on both sides. When deadbolt is projected, outside trim is automatically locked. Operating inside trim automatically retracts latchbolt, deadbolt and unlocks outside trim.</td>
<td>39 &amp;*</td>
<td>F33</td>
</tr>
<tr>
<td>Classroom Security Deadbolt Lock (40) Latchbolt retracted by either trim. Deadbolt opened by key on both sides. When deadbolt is projected, outside trim is automatically locked. Operating inside trim automatically retracts latchbolt, deadbolt and unlocks outside trim.</td>
<td>40 &amp;*</td>
<td>F34</td>
</tr>
<tr>
<td>Classroom Security Deadbolt Lock (41) Latchbolt retracted by either trim. Deadbolt opened by key on both sides. When deadbolt is projected, outside trim is automatically locked. Operating inside trim automatically retracts latchbolt, deadbolt and unlocks outside trim.</td>
<td>41</td>
<td>F800 ONLY</td>
</tr>
<tr>
<td>Apartment/Corridor (45) Latchbolt by either trim. Key OS lock/unlocks deadbolt and retracts latchbolt when OS trim is locked by key. Turns lever OS lock/unlocks deadbolt. VS trim retracts latchbolt and deadbolt simultaneously. Outside trim remains locked. Trigger must be manually unlocked. Guardbolt deadlocks latchbolt (45).</td>
<td>45</td>
<td>F20 (43 Function)</td>
</tr>
<tr>
<td>Hotel/Motel (50) OS trim rigid at all times. Latchbolt by guest key or masterkey OS, except when deadbolt is projected by turn lever OS. Emergency key operates latchbolt and deadbolt at all times. Inside lever always retracts latchbolt and deadbolt. Guardbolt deadlocks latchbolt.</td>
<td>50 &amp;*</td>
<td>F15 (modified)</td>
</tr>
<tr>
<td>Privacy, Bedroom, or Bathroom (65) Latchbolt by either trim unless OS trim is locked by turn lever OS. VS trim, emergency release unlocks OS lever.</td>
<td>65 &amp;*</td>
<td>F22</td>
</tr>
<tr>
<td>Lever/Knob Pulls (93) have trim on one side only. (94) has trim on both sides.</td>
<td>93, 94</td>
<td></td>
</tr>
</tbody>
</table>

* Available with 8200 freewheeling trim functions.  * Available with 7800 push/pull trim.
Mortise Locks
Trim Designs

8200 Lever Line and 9200 High Security Line

LNA  LNJ
LNB  LNL
LNE  LNP
LNF  LNW
L ROSE

3 1/2" (89mm) diameter complements 7800 and 8200 mortise lock lines and matches 8 Line, 10 Line and T-Zone rose designs.

FREEWHEEILING
FEB (B lever shown)
Freewheeling trim lever handle swings freely up to 70° in "locked" mode.

NOTES: Not all trim designs are pictured here. Consult mortise lock catalog for additional selections and trim dimensions. Screwless knobs available. All Coastal Series levers are available with roses or escutcheons.

8200 Coastal Series™
Decorative Levers with
Roses and Escutcheons

SanibelTM
CoronadoTM
RockportTM
YarmouthTM
GulfportTM

Available with all lever designs

Small Cylinder
LS Security Trim
WTL
HAGER

Applications
- Extra Heavy-Duty Commercial
- Industrial
- Institution
- No exposed mounting screws
- Non-handed

Certifications
- BHMA Certified ANSI A156.2, Series 4000, Grade 1 (3400 Series)
- BHMA Certified ANSI A156.2, Series 4000, Grade 2 (3500 Series)
- ADA Compliant ANSI A117.1 Accessibility Code

Exposed Trim
- Levers: cast zinc
- Rose: wrought brass or stainless steel

Lock Chassis
- Heavy gauge steel, zinc dichromated for corrosion resistance
- Free wheeling
- Removable thru-bolts
- Failure to install thru-bolts and removable screw posts voids BHMA certification, UL Rating, and Warranty

Rose Diameter
- 3-17/32” (90 mm) levers (3400 Series)
- 3-11/32” (85 mm) levers (3500 Series)

Keys
- Two operating keys supplied per lock

Cylinders/Cores (3400 Series)
- Brass - keyed different, C Keyway
- Brass 6 & 7 pin
- Other keying options, including keyed 6-pin, available from factory
- Small Format Interchangeable Core housing available
- Interchangeable Core
- Uncombined & Combinated
- Drilled 6-pin, Keyed 5-pin
- Standard
- SFIC uncombined or combinated, brass 6- or 7-pin sold separately

Cylinders/Cores (3500 Series)
- Brass 6-pin, keyed different - C Keyway
- Other keying options, including keyed 6-pin, available from factory
- Small Format Interchangeable Core option available
- SFIC uncombined or combineted, brass 6- or 7-pin sold separately

Door Thickness
- 1-3/8” - 2” (35 mm - 51 mm)

Backset
- 2-3/4” (70 mm) - Standard
- 2-3/8” (60 mm) - Optional
- 3-3/4” (94 mm) - Optional
- 5” (128 mm) - Optional

Latchbolt
- 1/2” (13 mm) Throw, stainless steel
- 1-1/8” x 2-1/4” (25 mm x 57 mm) Face plate for 2-3/4” (70 mm) backset
- Deadlocking latchbolt prevents manipulation when door is closed; keyed functions only
- 3/4” (19 mm) latch available (3400 Series)
- 1” x 2-1/4” (25 mm x 57 mm) Faceplate for 2-3/8” (60 mm) backset (3500 Series)
- Square corner faceplates standard, round corner available

Strikes
- 3935 ASA 1-1/4” x 4-7/8” (32 mm x 124 mm) strike, standard

Finishes

Functions
- 10 - Passage, 17 - Dummy, 25 - Exit,
- 27 - BTB Dummy, 40 - Privacy, 50 - Office,
- 53 - Entry, 70 - Classroom, 73 - Corridor,
- 79 - Keyed Communicating (3400 Series only), 80 - Storeroom, 95 - Intruder Classroom (3500 Series only)

Options
- Lead Lined
- Tactile Knurling
- Split Finish
- Additional latchbolts and strikes available

Lever Options
- Archer
- August
- Whithnell
Deadbolts

B-Series

B250 Series
Considered the industry standard for tubular deadlatches for decades, the B250 Series is ideal for pool, apartment and condominium gates, utility panels and pipe chases. Furnished with conventional cylinder standard. Available with Primus XP access control cylinder, Primus UL437 Listed high security cylinder, full size interchangeable core cylinder and Primus interchangeable core cylinder. Designed for 1 1/2" (38 mm) prep. Optional adapter plates allow easy installation in 2 1/8" (54 mm) prep.

B250PD Deadbolt

B250PD Deadlatch

B500 Series
A versatile and economical Grade 2 deadbolt for medium duty commercial and heavy duty residential applications. Furnished with conventional cylinder standard. Available with Primus XP high security cylinder, Primus XP UL437 Listed high security cylinder, full size interchangeable core cylinder, Primus XP interchangeable core cylinder, or small format interchangeable core (SFIC) cylinder. Fits 2 1/8" (54 mm) prep standard and anti-pry shield can be removed to fit 1 1/2" (38 mm) prep.

B500 Deadbolt

<table>
<thead>
<tr>
<th>Product ANSI</th>
<th>Deadbolt Functions</th>
<th>Deadlatch Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Cylinder Deadbolt</td>
<td>Double Cylinder Deadbolt</td>
<td>Classroom Deadbolt</td>
</tr>
<tr>
<td>Interior</td>
<td>Thumbturn</td>
<td>Keyed</td>
</tr>
<tr>
<td>Exterior</td>
<td>Keyed</td>
<td>Keyed</td>
</tr>
</tbody>
</table>

B250
Grade 2

B500
Grade 2
B560P  B562P  B563P  B571  B580  B581

B600
Grade 1
B660P  B662P  B663P  B680  B664P  B661P

B700
Grade 1
B760P  B762P  B763P  B764P  B761P

B800
Grade 1
B860P  B862P  B863P  B865P  B861P

B-Series Deadbolt Finishes
- 605 Bright Brass
- 606 Satin Brass
- 609 Antique Brass
- 612 Satin Bronze
- 613 Oil-Rubbed Bronze
- 619 Satin Nickel
- 625 Bright Chromium Plated
- 626 Satin Chromium Plated
- 626AM* Antimicrobial Coating
- 643e Aged Bronze

*Not available on B250

10-064
Thimble Strike for B100 Series Deadbolt Locks Wood and Hollow Metal frames.
Size: 1 1/8" dia. face, 1" dia. barrel, 1 1/8" depth.
Finishes: Satin Chrome Plated Steel only (652).

38-031
Steel adaptor rings, plated to match finish symbols, are provided as standard for B100-Series locks for 2 1/8" door prep.

10-094
Strike and Box for all B100, B500 Deadbolt Locks.
Size: 1 1/8" x 2" x 3/32".

10-087
Strike (no box) ANSI preparation for all B100, B500 Deadbolt Locks.
Size: 1 1/8" x 4 1/4" x 3/32".
Lip Lengths: 1", 1 1/8", 1 1/4", 1 1/2"
The B600/700/800 Series are Schlage’s highest grade deadbolt locks. Choose the 600 for Grade 1 security in high-traffic commercial applications. Choose the 700 or 800 and get standard a Primus XP controlled access cylinder (700) or Primus® XP high security cylinder with UL 437 rating (800). A variety of functions and finishes makes the B600/700/800 Series a versatile choice for added security no matter where you use it.

### B600 Series
Schlage’s toughest heavy duty Grade 1 commercial deadbolt. Furnished with conventional cylinder standard. Also available with full size interchangeable core cylinder or small format interchangeable core (SFIC) cylinder. Requires 2 1/8” (54mm) prep. UL10B listing standard for auxiliary lock on A label fire doors.

### B700 Series
Same lock as B600 Series but furnished with Primus XP controlled access cylinder for patented key control, geographical exclusivity and resistance to picking and impressioning. Also available with Primus XP full size interchangeable core cylinder.

### B800 Series
Same lock as B700 Series but Primus XP high security cylinder is UL437 listed to resist drilling and other forms of physical attack. Not available in interchangeable core.

---

**Heavy Duty Single Cylinder**
The standard unit. Either an outside key or inside thumbturn can throw or retract the deadbolt. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

<table>
<thead>
<tr>
<th>B660</th>
<th>E2151</th>
</tr>
</thead>
<tbody>
<tr>
<td>B760</td>
<td>E2151</td>
</tr>
<tr>
<td>B860</td>
<td>E2151</td>
</tr>
</tbody>
</table>

**Heavy Duty Double Cylinder Deadbolt**
Deadbolt thrown or retracted by key from either side. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

<table>
<thead>
<tr>
<th>B662</th>
<th>E2141</th>
</tr>
</thead>
<tbody>
<tr>
<td>B762</td>
<td>E2141</td>
</tr>
<tr>
<td>B862</td>
<td>E2141</td>
</tr>
</tbody>
</table>

**Heavy Duty One-Way Deadbolt Lock**
Deadbolt thrown or retracted by key only. Blank plate inside. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

<table>
<thead>
<tr>
<th>B663</th>
<th>E2161</th>
</tr>
</thead>
<tbody>
<tr>
<td>B763</td>
<td>E2161</td>
</tr>
<tr>
<td>B863</td>
<td>E2161</td>
</tr>
</tbody>
</table>

**Heavy Duty Classroom Deadbolt Lock**
Deadbolt thrown or retracted by key outside. Inside turn unit will retract bolt only. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

<table>
<thead>
<tr>
<th>B664</th>
<th>E2161</th>
</tr>
</thead>
<tbody>
<tr>
<td>B764</td>
<td>E2161</td>
</tr>
<tr>
<td>B864</td>
<td>E2161</td>
</tr>
</tbody>
</table>

**Heavy Duty Cylinder Lock**
Deadbolt thrown or retracted by key from one side. No inside trim. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

| B680   | E2191 |

**Heavy Duty Door Bolt**
Deadbolt thrown or retracted by turn unit only. No outside trim. Bolt automatically deadlocks when fully thrown.

**Schlage**  **ANSIE**

| B680   | E2191 |
The ND-Series has long been one of Schlage's best selling mechanical locks for good reason - it's tough, durable, Grade 1 rated and fits a wide variety of applications. Now we've made our trusted ND-Series lock even better by making it easier to install. We've added these enhancements because we know that a lock installed correctly the first time will last longer and perform better. And the longer the lock lasts, the lower the cost of ownership over the life of the lock. We've also increased our warranty to provide 10 years of coverage. The result: greater peace of mind that every door is safe and secured with a lock built to last.

**Hospital Privacy Lock**
- Push-button locking.
- Unlocked from outside by turning emergency turnbutton.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

**Entrance Lock**
- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until button is manually unlocked.
- Turn-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

**Single Dummy Trim**
- Dummy trim for one side of door.
- Used for door pull or as matching inactive trim.
### Schuham Builder's Supply Company, Inc.

**Hours of Operation:** 7:30 am Until 4:00 pm  
**Phone:** 773/286-0123 or 888/SCHUHAM

---

#### Locks

**ND-Series**

<table>
<thead>
<tr>
<th>Exit Lock</th>
<th>Schlage ND12D</th>
<th>ANSI F89</th>
</tr>
</thead>
</table>
| Outside lever always fixed.  
Inside lever always free for immediate egress. | Inside | Available with RX |

<table>
<thead>
<tr>
<th>Exit Lock</th>
<th>Schlage ND25D</th>
</tr>
</thead>
</table>
| Blank plate outside.  
Inside lever always free for immediate egress. | Inside |

<table>
<thead>
<tr>
<th>Passage Latch</th>
<th>Schlage ND10S</th>
<th>ANSI F75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both levers always unlocked.</td>
<td>Inside</td>
<td>Available with RX</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Store Lock</th>
<th>Schlage ND66PD</th>
<th>ANSI F91</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key in either lever locks or unlocks both levers.</td>
<td>Inside</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Institution Lock</th>
<th>Schlage ND82PD</th>
<th>ANSI F87</th>
</tr>
</thead>
</table>
| Both levers always fixed.  
Entrance by key in either lever. | Inside | |

<table>
<thead>
<tr>
<th>Bath/Bedroom Privacy Lock</th>
<th>Schlage ND40S</th>
<th>ANSI F76</th>
</tr>
</thead>
</table>
| Push-button locking.  
Unlocked from outside with a small screwdriver.  
Turn inside lever or close door to release button.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Vestibule Lock</th>
<th>Schlage ND60PD</th>
<th>ANSI F88</th>
</tr>
</thead>
</table>
| Latch retracted by key from outside when outside lever is locked by key in inside lever.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Entrance / Office Lock</th>
<th>Schlage ND50PD</th>
<th>ANSI F82</th>
</tr>
</thead>
</table>
| Push-button locking.  
Push-button locks outside lever until it is unlocked with key or by turning inside lever.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Corridor Lock</th>
<th>Schlage ND73PD</th>
<th>ANSI F90</th>
</tr>
</thead>
</table>
| Locked and unlocked by key from outside.  
Push-button locking from inside.  
Turn inside lever or close door to release button.  
When outside lever is locked by key it can only be unlocked by key.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Classroom Security Lock</th>
<th>Schlage ND75PD</th>
</tr>
</thead>
</table>
| Key in either lever locks or unlocks outside lever.  
Inside lever always free for immediate egress. | Inside |

<table>
<thead>
<tr>
<th>Storeroom Lock</th>
<th>Schlage ND80PD</th>
<th>ANSI F86</th>
</tr>
</thead>
</table>
| Outside lever fixed.  
Entrance by key only.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Classroom Lock</th>
<th>Schlage ND70PD</th>
<th>ANSI F84</th>
</tr>
</thead>
</table>
| Outside lever locked and unlocked by key.  
Inside lever always free for immediate egress. | Inside | |

<table>
<thead>
<tr>
<th>Faculty Restroom Lock</th>
<th>Schlage ND85PD</th>
</tr>
</thead>
</table>
| Outside lever fixed.  
Entrance by key only.  
Visual occupancy indicator, allowing only emergency key to operate.  
Turn inside lever or close door to unlock.  
Rotation of inside spinner-button enables lock-out feature.  
Inside lever always free for immediate egress.  
Not available with interchangeable core cylinders. | Inside |

---

**Institution Lock**

<table>
<thead>
<tr>
<th>Outside</th>
<th>Inside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage ND82PD</td>
<td>ANSI F87</td>
</tr>
</tbody>
</table>

---

**Passage Latch**

<table>
<thead>
<tr>
<th>Outside</th>
<th>Inside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage ND10S</td>
<td>ANSI F75</td>
</tr>
</tbody>
</table>

---

**Store Lock**

<table>
<thead>
<tr>
<th>Outside</th>
<th>Inside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage ND66PD</td>
<td>ANSI F91</td>
</tr>
</tbody>
</table>

---

**Institution Lock**

<table>
<thead>
<tr>
<th>Outside</th>
<th>Inside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage ND82PD</td>
<td>ANSI F87</td>
</tr>
</tbody>
</table>
Locks

AL-Series

Dependable performance for high traffic commercial applications.

At Schlage, we know that every product you specify has to stand up to constant use, while meeting your needs for security at every level. Our AL Series locks are designed to deliver ADA compliant accessibility and constant, reliable performance. The AL Series is best for buildings with medium to high traffic flow, such as interior office doors, banks, retail spaces and hotel guest areas. With a Grade 2 ANSI rating, and styles and finishes to suit your building’s design, the AL Series fits right where you need it.

Jupiter – symbol: JUP

Neptune – symbol: NEP

Omega – symbol: OME

Saturn – symbol: SAT

AL-Series Lock Finishes

<table>
<thead>
<tr>
<th>Finish Code</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>605</td>
<td>Bright Brass</td>
</tr>
<tr>
<td>606</td>
<td>Satin Brass</td>
</tr>
<tr>
<td>609</td>
<td>Antique Brass</td>
</tr>
<tr>
<td>612</td>
<td>Satin Bronze</td>
</tr>
<tr>
<td>613</td>
<td>Oil-Rubbed Bronze</td>
</tr>
<tr>
<td>619</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>622</td>
<td>Matte Black</td>
</tr>
<tr>
<td>625</td>
<td>Bright Chromium Plated</td>
</tr>
<tr>
<td>626</td>
<td>Satin Chromium Plated</td>
</tr>
<tr>
<td>626AM</td>
<td>Antimicrobial Coating</td>
</tr>
<tr>
<td>643e</td>
<td>Aged Bronze</td>
</tr>
</tbody>
</table>

Passage Latch

- Both levers always unlocked.
- Inside lever always free for immediate egress.

Schlage  | ANSI  
AL10S    | AL25D

Outside   | Inside

Exit Lock

- Blank plate outside.
- Inside lever always unlocked.
- Inside lever always free for immediate egress.
- Specify door thickness.

Schlage  | ANSI  
AL40S    | F76

Outside   | Inside

Bath/Bedroom Privacy Lock

- Push-button locking.
- Can be unlocked from outside with a small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Schlage  | ANSI  
AL40S    | F76

Outside   | Inside
Hospital Privacy Lock
- Push-button locking.
- Unlocked from outside by turning emergency turnbutton.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Schlage ANSI
AL44S

Outside Inside

Entrance Lock
- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until button is manually unlocked.
- Turn-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

Schlage ANSI
AL53PD F109

Outside Inside

Faculty Restroom Lock
(with indicator cylinder)
- Outside lever fixed.
- Entrance by key only.
- Push-button on inside lever activates visual occupancy indicator, allowing only the emergency masterkey to operate.
- Rotate inside lever or close door to release visual occupancy indicator.
- Rotation of inside spanner button provides lockout feature by keeping indicator thrown.
- Inside lever always free for immediate egress.

Schlage ANSI
AL85PD F93

Outside Inside

Entrance / Office Lock
- Push-button locking.
- Push-button locks outside lever until it is unlocked with key or by turning inside lever.
- Inside lever always free for immediate egress.

Schlage ANSI
AL50PD F82

Outside Inside

Classroom Lock
- Outside lever locked and unlocked by key.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Schlage ANSI
AL70PD F84

Outside Inside

Single Dummy Trim
- Dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

Schlage ANSI
AL170

Outside / Inside

Storeroom Lock
- Outside lever fixed.
- Entrance by key only.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Schlage ANSI
AL80PD F86

Outside Inside

Hospital Privacy Lock

Schlage ANSI
AL44S

Outside Inside

Entrance Lock

Schlage ANSI
AL53PD F109

Outside Inside

Faculty Restroom Lock
(with indicator cylinder)

Schlage ANSI
AL85PD F93

Outside Inside

Entrance / Office Lock

Schlage ANSI
AL50PD F82

Outside Inside

Classroom Lock

Schlage ANSI
AL70PD F84

Outside Inside

Single Dummy Trim

Schlage ANSI
AL170

Outside / Inside

Storeroom Lock

Schlage ANSI
AL80PD F86

Outside Inside

Hospital Privacy Lock

Schlage ANSI
AL44S

Outside Inside

Entrance Lock

Schlage ANSI
AL53PD F109

Outside Inside

Faculty Restroom Lock
(with indicator cylinder)

Schlage ANSI
AL85PD F93

Outside Inside

Entrance / Office Lock

Schlage ANSI
AL50PD F82

Outside Inside

Classroom Lock

Schlage ANSI
AL70PD F84

Outside Inside

Schlum Bagler’s Supply Company, Inc.
Nothing is tougher.

At Schlage we know that every product you specify has to stand up to constant use and abuse. Your building’s locking systems face an additional challenge – keeping people and other assets safe while delivering constant, reliable performance. Schlage L Series Extra Heavy Duty Mortise Locks are built to withstand the rigors of daily use without fail.

Cast Lever Design

L-Series Lock Finishes

<table>
<thead>
<tr>
<th>Finish Code</th>
<th>Finish Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>605</td>
<td>Bright Brass</td>
</tr>
<tr>
<td>606</td>
<td>Satin Brass</td>
</tr>
<tr>
<td>609</td>
<td>Antique Brass</td>
</tr>
<tr>
<td>612</td>
<td>Satin Bronze</td>
</tr>
<tr>
<td>613</td>
<td>Oil-Rubbed Bronze</td>
</tr>
<tr>
<td>619</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>625</td>
<td>Bright Chromium Plated</td>
</tr>
<tr>
<td>626/626AM*</td>
<td>Satin Chromium Plated</td>
</tr>
<tr>
<td>629</td>
<td>Bright Stainless Steel</td>
</tr>
<tr>
<td>630/630AM*</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>643e</td>
<td>Aged Bronze</td>
</tr>
</tbody>
</table>

*AM = Finish with Antimicrobial Coating
Passage Latch
• Latchbolt retracted by lever from either side at all times.
• Inside lever always free for immediate egress.

Entrance Lock
• Latchbolt retracted by lever from either side unless outside is locked by 20° rotation of thumbturn.
• Deadbolt thrown or retracted by 90° rotation of thumbturn.
• When locked, key outside or lever inside retracts deadbolt and latchbolt simultaneously.
• Outside lever remains locked until thumbturn is restored to vertical position.
• Throwing deadbolt automatically locks outside lever.
• Auxiliary latch deadlocks latchbolt when door is closed.
• Inside lever is always free for immediate egress.

Storeroom Lock
• Latchbolt retracted by key outside or by lever inside.
• Outside lever is always inoperative.
• Auxiliary latch deadlocks latchbolt when door is closed.
• Inside lever always free for immediate egress.

Classroom Lock
• Latchbolt retracted by lever from either side unless outside is locked by key.
• Unlocked from outside by key.
• Inside lever always free for immediate exit.
• Auxiliary latch deadlocks latchbolt when door is closed.
• Inside lever always free for immediate egress.

Bath/Bedroom Privacy Lock
• Latchbolt retracted by lever from either side unless outside is locked by inside thumbturn.
• To unlock from outside remove emergency thumbturn (furnished) in access hole and rotate.
• Inside lever always free for immediate egress.

Electrified Lock Specifications
Electrified locks contain a transistorized circuit which requires 24 volts AC or DC. Each lock should preferably have its own 24V transformer, provided it has the necessary current rating.

Note: Do not connect locks in a series from a higher voltage rated transformer.

We do not recommend that these locks be connected to a supply circuit that also contains electromagnetic devices. If an electromagnetic device is connected to the supply circuit, the resulting transient voltages could damage the lock. The transient voltage must be carefully suppressed at the equipment producing them before connecting the lock to the same circuit.

A varistor rated at 35 volts (peak recurrent) may be used for transient voltage protection.

All installations should be in accordance with local electrical codes and National Electrical Code NFPA #70-1978.

Electrical Requirements:
Voltage: 24V AC or DC
Current: 1.3 Amps
Lock Sets

SL7160 Series
Grade 2 Contractor Quality Heavy Duty Cylindrical lockset
Two Step Rose is Ideal for Retrofitting UL listed, ADA approved barrier-free leversets are ready for all ADA and other needs in passage, privacy, storeroom, classroom and dummy functions, in addition to entry models. The customer may provide the lock cylinder and key. Leversets meet ANSI A156.2 Series 4000 Grade standards and more than fulfill ADA requirements. The ANSI Series 4000 standard exceeds 400,000 operating cycles, without fail.

Features
- Two step rose
- Cold rolled steel housing
- Reversible, non-handed
- Fits doors from 1 3/8” to 2” thick
- 2 3/4” backset UL listed latch bolt. Standard for all functions
- 1 1/4” x 4 7/8” ANSI strike. Standard for all leversets, all functions.
- 6 pin solid brass SC-1 keyway, ILCO #1145, keyed to 5 pins
- Wide choice of finishes (US 26D, 26, 3, 10B)
- Special keying available (Master and Grand Master)
- Each lever works independently of the other
- Dead locking latch on all keyed leversets
- 2 nickel silver keys
- Separate lever spring mechanisms help prevent sag
- 1/2” throw solid brass latch-bolt, UL listed, three hour fire rated
- Full 5” long handles on all levers in all functions
- Screws are concealed for the greatest security and appearance
- Accepts Lori 1539/1590; ILCO 7035; DOM 1x5HT Medeco 20-200A1 or ASSA cylinder plugs
- Convertible Posts
- 3 3/8” Diameter Roses

Cylinders

Mortise Cylinder
Available in 1”, 1-1/8”, 1-1/4” length. Drill 6, pinned 5 (5 pin only for 1” solid brass construction 1-1/8” length furnished with both Adams Rite and Yale Standard cams.

Thumb-Turn Cylinder
Available in 1” & 1-1/8” lengths. 1-1/8” length furnished with both Adams Rite and Yale Standard cams. Solid brass construction.

Interchangeable Core Housing
6/7” pin. Long break-off tailpiece convertible between horizontal/vertical positions for most rim cylinder applications.
Finishes: US26D, US26

Rim Cylinder
Drill 6, pinned 5 solid brass construction. Most reliable retaining cap designed. Tailpiece easily converts between horizontal and vertical positions. Furnished with full size mounting plate and matching collar.

Dummy Cylinder
Available in 1” & 1-1/8” lengths. Sold brass, non-hollow construction.

Interchangeable Core Housing
6 pin tapered head.
Finishes: US26D, US26
Model UL520
Horizontal reversible, rim type touch bar exit devices
UL and KUL 520 series fit a 25" to 36" wide door,
and can be used with a cylinder, keyed ball knob, or
keyed lever, or a pull.
Available in aluminum, or duranodic finishes. The
UL520 devices are packed with latch and strike filler
plates.
• Deadlatching
• Non-handed for use on right or left opening doors
• Easy to install new or replacement
• Complete with rim strike latch, shim, fasteners,
mounting templates and easy to follow instructions
• Vertical panic device for double door installations
  (see pages 40 and 41 for accessories)
• Vertical unit can be cut to size. Fits doors up
to 36" x 96".
• Vertical Touch Bar is used with the UL520
  horizontal device.
• Doggable

Extension Rods available for up to 10’ doors

1-1/2” hour Fire Rated Reversible Rim Type
Quality Touch Bar Exit Device.
These top performing UL fire rated panic devices are made for
high traffic areas such as hospitals, schools and other public
use buildings. An ideal companion product for ADA compliant
installations.
Horizontal reversible, rim type touch bar exit devices can be used
with a cylinder, keyed ball knob, keyed lever or a pull, and are
available in dull chrome plate and brass.
The devices are UL listed and fire rated (1 1/2 hour).
Dull Chrome US26 D Finish PB finish US3 Finish

Outside Trim Options

Thumbpiece Trim
Door Pull PC510
Lever Keyed Locks Series LL520
441 BC Series
A power adjustable door closer that features a cast iron body and is ANSI A156.4 Grade 1 and ANSI A117.1 compliant. It is also UL Listed. Manufactured under ISO 9002 guidelines, this ADA (Handicap) multi-sized closer has adjustable Spring Power for a range of sizes which can be adjusted after installation. The 441 BC Series comes with a choice of three arm types: Heavy Duty Stop Arm with Hold Open, Heavy Duty Arm, or Standard Arm. Same template as the domestic brands.

Features
• Cast iron body
• ANSI A156.4, Grade1 and ANSI A117.1 compliant
• UL listed
• ADA (Handicap) multi-sized closers with adjustable Spring Power for a Range of sizes, adjustable after installation
• Manufactured under ISO 9002 guidelines
• Available in a choice of three arm types, heavy duty STOP arm with hold open, heavy duty arm, or standard arm

Functions
• Tri-Style installation: installs regular, parallel arm or top jamb.
• Non-handed: installs on either side of door.
• Adjustable sweep and latch speeds: separate valves to adjust each speed.
• Adjustable backcheck: standard.
• Adjustable delayed action closing option available.
• Installs 3 ways: regular arm, parallel arm and top jamb.
• Cover: high impact, UL listed molded plastic full cover.
• Power of closer can be adjusted to conform to the requirements of the American with Disabilities Act (ADA) and as outlined in ANSI A117.1 Specifications for Making Buildings and Facilities Accessible to, and Usable by the Physically Disabled.

5100 Series
Size
1-6 adjustable

Certifications
• BHMA Certified ANSI A156.4
• ADA compliant ANSI A117.1 Accessibility Code
• UL/cUL Listed for up to 3 hours
• UL10C Positive Pressure Rated
• UL10B Neutral Pressure Rated
• Lifetime Warranty

Material
• Cast Iron
• The recommended temperatures for prolonged closer use is between -40°F (-42°C) and 150°F (66°C)

Cover
• Full plastic cover - Standard
• Plated metal cover - Optional

Springs
• One piece seamless steel spring tube
• Double heat treated steel, tempered springs
• Precision machined, heat treated steel piston

Valves
• Adjustable latching and sweep speed valves
• Adjustable backcheck valve - Standard
• Delayed action valve - Optional
• Staked valves - Standard

Handing
• Non-Handed

Arms & Brackets
• Tri-Pack - Regular, Top Jamb, and Parallel Arms - Standard
• 15% power adjustment in standard arm for regular and top jamb mount

Optional Arms
• Hold Open Arm
• Extra Heavy Duty Hold Open Stop Arm
• Extra Heavy Duty Stop Arm
• Extra Heavy Duty Arm
• Extra Heavy Duty Hold Open Arm
• Extra Heavy Duty Cushion Stop Arm
• Extra Heavy Duty Hold Open Cushion Stop Arm

Optional Brackets
• Regular Arm Mount - Narrow Top Rail
• Parallel Arm Mount - Narrow Top Rail

Fasteners
• Self-reaming, self-tapping wood and machine screws
• Sex nuts and bolts

Door Thickness
• 1-3/4” (44 mm) - Standard
• 1-3/8” - 2-1/4” (36 mm - 57 mm) thick door - Optional

Finishes
• ALM, BLK, BRZ, DBZ, GOL
• Rust inhibiting primer - Standard
Door Closers

**4040XP Series**
The **4040XP Series** is LCN’s most durable surface-mounted heavy-duty closer, designed for the most demanding high-use-and-abuse applications. It meets ANSI/BHMA A156.4 Grade 1 standards and ADA reduced opening force requirements. This closer is cUL listed and UL listed for self-closing doors without hold-open and boasts a 30-year limited warranty.

The **4040XP Series** features include standard non-handed plastic cover, with optional plated finish available for cover, arm and fasteners. Materials include high-strength cast-iron cylinder, forged steel arm, double heat-treated steel pinion and full complement, low friction bearing for rugged reliability in high-traffic installations.

LCN peel-n-stick templates assure quick and accurate installation, and the patented LCN Green Dial takes the guesswork out of spring force adjustments.

**4010, 4020 and 4110 Series**
The **4010, 4020 and 4110 Series** are heavy-duty closers that meet demands for high-traffic installations and each are designed specifically for unique mounting applications. They are UL and cUL listed, meet ANSI/BHMA Grade 1 standards and boast 30-year warranties. They feature a standard plastic cover, with optional plated finishes for the cover, arm and fasteners. They also feature the LCN Green Dial spring force indicator, which takes the guesswork out of adjustment.

**1460 Series**
The **1460 Series** is a universal medium-duty closer designed for maximum versatility in commercial and institutional applications, meeting ANSI/BHMA A156.4 Grade 1 and ADA reduced opening force requirements.

It installs quickly, accurately and offers a variety of options. It is cUL and UL listed for self-closing doors without hold-open and boasts a 30-year limited warranty.

Features include a slim line plastic cover, with optional plated finish on the cover, the arm and the fasteners. LCN peel-n-stick templates ensure quick and accurate installation, and the patented LCN Green Dial takes the guesswork out of spring force adjustments.

**1260 Series**
The **1260 Series** is designed for light- to medium-duty applications as a fit for the most common commercial footprint, meeting ANSI/BHMA A156.4 Grade 1 and ADA reduced opening force requirements. It is adjustable for spring sizes 1-5, and features a complete line of regular and extra-duty arms. The 1260 Series is cUL listed and UL listed for self-closing doors without hold-open and boasts a 20-year limited warranty. Features also include optional slim line cover, LCN peel-n-stick templates for quick and accurate installation, convenient spring adjust pointer and an optional Quick Fix™ bracket kit.

**DORMA**

**ED900 Swing Door Operator Low Energy Operator**

Employing an innovative electromechanical drive and a state-of-the-art microprocessor motion control system, the new ED900 is DORMA’s most advanced low-energy swing door power operator. The operator is exceptionally quiet, safe, and easy to use.
Door Closers

Tri-Style

1600BC Series Sized Closer
1601 Series Adjustable Size 1-6

Installs 3-Ways - regular arm, parallel arm, and top jamb from standard carton.
Non-handed - can be installed on doors of either hand.
Independent Adjustable Sweep Speed.
Independent Adjustable Latch Speed.
Adjustable Backcheck - Standard on sized closers.

Hold-Open - Closer arm had adjustable hold-open feature (90 to 180 degree).
This arm is non-handed. Order by suffixing “H” to the catalog no.
Size 3 & 4 units available

Special Fasteners - Thru-bolts and grommet nuts (TBGN) or sex-nuts (SN) are available to order.
Finishes: Aluminum (AL), Dull Bronze (DB), Dark Bronze (STAT).

ANSI A156.4 Grade 1: UL listed; 25 year warranty; MADE IN THE USA.

Unitrol Door Control
Uni-1600BC Stop only
Uni-1600BCH Hold - Open

One Single Unit - combination of door closer, spring shock absorber, positive stop and optional hold-open mechanism.
Heavy Duty Spring Shock Absorbing Stop - permits 5 of over travel for positive stop at 90-115 degree.
Hold-Open Range - between 85 and 110 degree. Parallel or top jamb mounting.

<table>
<thead>
<tr>
<th>Product #</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1603BC</td>
<td>689</td>
</tr>
<tr>
<td>1603BC</td>
<td>691</td>
</tr>
<tr>
<td>1603BCH</td>
<td>689</td>
</tr>
<tr>
<td>1603BCH</td>
<td>691</td>
</tr>
<tr>
<td>1604BC</td>
<td>689</td>
</tr>
<tr>
<td>1604BC</td>
<td>691</td>
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<td>1604BCH</td>
<td>689</td>
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<tr>
<td>UNI-1603BC-H</td>
<td>689</td>
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<td>689</td>
</tr>
<tr>
<td>UNI-1604BCH</td>
<td>691</td>
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</tbody>
</table>

Door Closer Sizing Chart

<table>
<thead>
<tr>
<th>Maximum Door Size (in)</th>
<th>Recommended Closer Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regular Arm</td>
</tr>
<tr>
<td>36</td>
<td>30</td>
</tr>
<tr>
<td>38</td>
<td>32</td>
</tr>
<tr>
<td>42</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td></td>
</tr>
</tbody>
</table>
Door Closers

Series 9300BC Door Closer
Durable, economically priced door closer. Designed for commercial exterior and interior doors such as store front and industrial applications. Popular as replacement unit for door closers such as Parker 500, Taco Brute 50, International 50 and Jackson 70.

Hold Open Arm - closer arm has adjustable hold open feature (90 to 180 degrees). Arm is non-handed. Order by suffixing “H” to the catalog number.

Tri-packed - regular arm or top jamb installation.

Non-handed - rack and pinion construction.

Adjustable Sweep Speed.

Adjustable Backcheck Cushioning - optional; provides and adjustable hydraulic cushion to the doors opening speed. Suffix “BC”.

Non-Hold Open Arm - supplied on standard closer; No prefix-closer can be installed regular arm or top jamb reveals 0’ to 2¼’ (0 to 73 degrees). “P” - closer installs parallel arm only.

Finishes: Aluminum (AL), Dull Bronze (DB)

ANSI A156.4 Grade 3 Modern Type Surface Door Closer: WL listed with non-hold open arms; 5 year limited warranty; MADE IN THE USA.

Product #  Finish
7500   690
7500H  690

Components

1618A Soffit Plate
Used with Parallel Arm Closers Only.

Arm Assembly

Regular Arm/Top Jamb Shoe
Connecting Rod Forearm
Screw
Armslide

ANSI A156.4 Grade 1: UL listed;
25 year warranty; MADE IN THE USA.

Product #  Finish
7500   690
7500H  690

Norton®
ASSA ABLOY

Series 7500 Multi-Size Closers
Power Adjust Closer - 7500 adjustable sizes 1-6

Narrow Projection - projects just 2¾” from the door.
Non-Handed - installs on either hand door.
Adjustable Spring Power - 50% power adjustment.
Adjustable Backcheck - separate valves to adjust backcheck cushioning and backcheck position.
Adjustable Sweep and Latch Speeds - separate valves adjust speed.
Non-Handed Covers - molded standard, cutout notches permit top jamb installation; UL listed plastic.
Hold-Open Arm - available with 90 to 180 degree hold-open. Suffix “H” to catalog number.
Parallel Rigid Arm - available with a solid one-piece secondary arm. Prefix “PR” to catalog number. Example PR7500.
Adjustable Delayed Action Closing Option. Closers will be furnished with backcheck feature. Suffix “DA” to catalog number.
ANSI A156.4 Grade 1: UL listed;
25 year warranty; MADE IN THE USA.
### Push Pad Exit Devices

#### 98/99 Series Wide Stile

**98/99 Rim Exit Device**

Panic and Fire Exit Hardware. For use with mullion on single and double door applications.

**9827/9927 Surface Mounted Vertical Rod Device**

Panic and Fire Exit Hardware.

**9857/9957 Three-Point Latching Device**

Panic and Fire Exit Hardware.

---

**Features**

- Nonhanded
- Field sizable
- 3/4" throw latchbolt
- Deadlocking
- Hex key dogging

**Options**

- Electric latch retraction
- Pneumatic latch retraction
- Electric rim device
- Request to exit switch
- Latch bolt monitoring
- Signal switch
- Cylinder dogging
- Double cylinder

---

**98/99 Series levers available in all styles (except STA) and all finishes (except 613).**

---

### 98/99 Series Standard Trim

<table>
<thead>
<tr>
<th></th>
<th>98/99 Rim Exit Device</th>
<th>9827/9927 Surface Mounted Vertical Rod Device</th>
<th>9857/9957 Three-Point Latching Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>EO</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>DT</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>NL</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>NL-OP</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td>TL</td>
<td>●</td>
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<tr>
<td>L</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>L-NL</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>L-BE</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>L-DT</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Features</th>
<th>98/99 Rim Exit Device</th>
<th>9827/9927 Surface Mounted Vertical Rod Device</th>
<th>9857/9957 Three-Point Latching Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonhanded</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Field sizable</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>5/8&quot; throw latchbolt</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Deadlocking</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hex key dogging</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

**Options**

- Electric latch retraction
- Pneumatic latch retraction
- Electric rim device
- Request to exit switch
- Latch bolt monitoring
- Signal switch
- Cylinder dogging

---

**98/99 Series levers available in all styles (except STA) and all finishes (except 613).**
Exit devices are a critical part of the fire and life safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 98 and 99 Series exit devices are UL listed for panic hardware or fire hardware, and are certified to ANSI A156.3, 2008, Grade 1.

**Exit Device Trim**

Many models are also certified for Hurricane Resistant Applications. Consult your local Security & Safety consultant (SSC) or the Von Duprin factory for current listings.

**Standard Lever Styles**

01
02
03* (knurling available)
05
06* Default lever (knurling available)
07
12 (handed)
16 (Omega)
17* (knurling available)
18
ACC (Accent) (handed)
AST (Asti) (handed)
MER (Merano) (handed)
STA (St. Annes) (handed)
LAT* (Latitude)
LON* (Longitude)

* Available in Stainless Steel – please specify SS when ordering

**Standard Lever Finishes**

605 Polished Brass
606 Dull Brass
612 Dull Bronze
613 Dull-Oxidized Bronze
619 Satin Nickel
625 Polished Chromium
628 Anodized Aluminum
626 Dull Chromium
630 Satin Stainless Steel
710 Duranodic Dark Bronze
693 Black Painted (not flat powder)
622 Flat Black
643e Aged Bronze

**Trim Operation Lever**

**Standard**
Key locks and unlocks lever, e.g., 360L (Classroom)

**Night Latch**
Key unlocks lever, lever is relocked when key is removed. Use NL suffix, e.g., 360LNL (Storeroom)

**Blank Escutcheon**
Lever always active. Use BE suffix, e.g., 360L-BE (Passage)

**Dummy**
Lever is rigid for pull operation. Use DT suffix, e.g., 360L-DT.
Push Pad & Crossbar Exit Devices

33A/35A Narrow Stile Push Pad Device, 55 Series & 88 Series Crossbar Device

33A/35A Series Rim Exit Device
Panic and Fire Exit Hardware.

55 Series Crossbar Device

88 Series Crossbar Device

Features
- Nonhanded
- Field sizable
- 3/4” throw latchbolt
- Deadlocking
- Hex key dogging

Options
- Electric latch retraction
- Request to exit switch
- Latch bolt monitoring
- Signal switch
- Cylinder dogging

3327/3527 Surface Vertical Rod Device
Panic and Fire Exit Hardware.

3347/3547 Concealed Vertical Rod Device
Panic and Fire Exit Hardware.
(Same as above with 5/8” throw latchbolt)

33A/35A Series levers available in all styles and all finishes (except 613).
55 & 88 Series standard lever styles include 01, 02, 03, 06, 07, 12 & 17; standard finishes 605, 606, 612, 613, 625 & 626.

33A/35A Series Standard Trim

55 Series Standard Trim

88 Series Standard Trim
22-Series Exit Devices

**VON DUPRIN®**

### Push Pad Exit Devices

#### 22 Series

**22 Series Rim Exit Device**

Panic and Fire Exit Hardware.

**2227 Series Surface Vertical Rod Device**

Panic and Fire Exit Hardware.

**22 Series Cylinders**

**Series 110NL**

110NL cylinder kit is available MD for metal doors or WD for wood doors. When ordering with device, use 22NLx110NLMD. Cylinder must be ordered separately.

- Mortise – 3215 (Schlage 20-001, B502-191 cam)

**22 Series Rim Exit Devices**

Rim – 3216 (Schlage 20-002 cam)

Cylinders are not furnished with device or trim and must be specified when ordering. Rim, surface vertical rod and concealed vertical rod exit devices use rim type cylinders. Mortise lock exit devices and Series 370 controls use mortise type cylinders.

---

**Features**

- Nonhanded
- Field sizable
- 3/4” throw latchbolt
- Deadlocking
- Hex key dogging

**Options**

- Alarm kit (ALK)

---

**Features**

- Nonhanded
- Field sizable
- 5/8” throw latchbolt
- Deadlocking
- Hex key dogging

**Options**

- Alarm kit (ALK)

---

**22 Series Standard Trim**

<table>
<thead>
<tr>
<th>EO</th>
<th>No Outside Trim Exit only</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT</td>
<td>Dummy trim Pull when dogged</td>
</tr>
<tr>
<td>NL</td>
<td>Nightlatch Key retracts latchbolt</td>
</tr>
<tr>
<td>NL-OP</td>
<td>Nightlatch Key retracts latchbolt optional pull required</td>
</tr>
<tr>
<td>L</td>
<td>Lever Key locks &amp; unlocks</td>
</tr>
<tr>
<td>TP</td>
<td>Thumbpiece Key locks &amp; unlocks</td>
</tr>
<tr>
<td>K</td>
<td>Key locks &amp; unlocks</td>
</tr>
</tbody>
</table>

---

**22 Series Optional Trim**

#### 210 Series Trim

The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage “A” orbit knob with six pin “C” keyway.

#### 230 Series Trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc 3 3/4” (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.
Impact Exit Devices

94/95 Series

9447/9547 Impact™ Concealed Vertical Rod Device

Features
- Nonhanded
- Sloped end caps
- One size for 3’ & 4’ doors
- Adjustable rods
- 4 1/2" wide push pad
- Latch bolt deadlocking

9475/9575 Mortise Lock Device

Options
- 5/8’ throw latch bolt
- Hex key dogging
- Two push pad styles

94/95 Series Standard Trim

Series 5100 Electric Strikes

Features
- 3 faceplates standard
- 12/24 dual voltage
- Fail safe/fail secure
- Adjustable keeper
- Internal solenoid
- Nonhanded
- Mounting tabs
- Retrofit kit
- Tamper resistant
- 1 year electrical warranty
- Continuous duty operation
- Heavy duty construction

Series 6200 Electric Strikes

Features
- Stainless steel
- Six finishes
- Nonhanded
- Fail secure
- Horizontally adjustable
- 12v or 24v / DC or AC

Options
- Fail safe
- Dual monitor switches
- Entry buzzer

Electric Strikes

Electric Strikes provide remote release of a locked door. They allow the door to be opened without retracting the latchbolt.

Fail Secure: On loss of power, the strike is locked.

Fail Safe: On loss of power, the strike is unlocked. Building codes prohibit the use of fail safe strikes on labeled openings.
### Features & Construction
- **Retrofits Von Duprin 99 & 98 Series using 7700 Escutcheon Trim**
- **For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement**
- **ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs**
- **Rail assemblies are heavy duty extruded aluminum body with Stainless Steel push pad and end caps are made of brass, bronze or stainless steel. Rail travels in direction of the door swing**
- **Trims are thru bolted for additional security**
- **Conforms & Meets ADA Regulations**
- **UL Listed for Panic and ULC10C, UBC 7-2-1997 codes**
- **UL Listed for Fire Exit Hardware. 3 hrs (A) label rating on pairs of doors up to 8’0” x 8’0” swinging in same or opposite directions**
- **Uncompromising security and safety in single and double fire exit doors**
- **Chassis mounted unit construction.**

### Grade 1 Rim Type Exit Device
**For Doors:** 1 ¾” thick standard optional 2 ¾” thick. 4 ½” minimum stile width for single or double door application using standard 938 strike and pull lever, thumbpiece and escutcheon trims.
2 ¾” backset

**Chassis:** Non-ferrous alloy (Panic Grade), steel (Fire Grade)

**Cover:** Non-ferrous plated material. Covers stock hollow metal doors with 161 cut out

**End Cap:** Brass, Bronze or Stainless Steel construction

**Alarm:** Option available

**Hand:** Non-handed, center hub for 2 ¾” backset

**Latch Bolt:** Stainless steel ¾” throw with anti-pick feature

**Spring:** Stainless steel throughout

**Strike:** 938 packed standard

**Dogging Feature:** Allen-type key furnished standard on non-fire labeled devices

**Mullion:** Available

**Finish:** Architectural plated finishes

### Grade 1 Concealed Vertical Rod Exit Device
**For Doors:** Metal or wood doors 1 ¾” (44.5mm) minimum thickness 4 ½” (114mm) minimum stile width.

**Chassis:** Non-ferrous alloy (Panic Grade), steel (Fire Grade)

**Cover:** Non-ferrous plated material.

**End Cap:** Brass, Bronze or Stainless Steel construction

**Alarm:** Option available

**Hand:** Handed. Easily field reversible. Specify at time of order LHR, RHR for convenience

**Top and Bottom Bolt:** Stainless Steel. Top and bottom bolt travel 7/16” (11mm) Projection adjustable up to 1” (25mm)

**Strike:** 260 top and 265 bottom

**Dogging Feature:** Cylinder dogging available for non-rated applications

**Finish:** Architectural plated finishes

### Grade 1 Rim Type Narrow Stile Exit Device
**For Doors:** Wood, Metal or Aluminum Glass doors with 1 ¾” minimum stile width, 1 ¾” thickness for single or double door application

**Chassis:** Non-ferrous alloy (Panic Grade)

**Cover:** Non-ferrous plated material.

**End Cap:** Brass, Bronze or Stainless Steel construction

**Alarm:** Option available

**Hand:** Non-handed.

**Latch Bolt:** Stainless steel ¾” throw

**Spring:** Stainless steel throughout

**Rail Assembly:** Heavy gauge extruded aluminum body with Stainless Steel push pad

**Dogging Feature:** Allen-type key furnished standard

**Finish:** Architectural plated finishes
Exit Devices

ECL-600 Series
Exit Control Lock
The ECL-600 is a fire-rated, code compliant, rugged, dependable relatching exit device with a steel plate and photo-luminescent sign providing managed security and a 100 decibel alarm for secondary fire exits.

Benefits
• Attack resistant design withstands over 2200 lbs. of outside pull force
• Proven durability, reliability and long service life at a reasonable price
• Reduces employee and customer theft
• Easy to Install
• Time tested construction resists attack from the inside
• Easy to see if the lights go out
• Straight forward operation that everyone understands

Features
• 1” throw dead bolt and 3/4” dead locking latch bolt
• Relatching for additional security
• Saw resistant dead bolt
• Corrosion resistant alloy lock- body
• 100 decibel alarm, powered by 9-volt battery (incl.)
• Accepts 5-pin through 7-pin standard and inter changeable core rim cylinders
• Durable steel plate with photo luminescent sign
• Non-handed
• Locking and unlocking the dead bolt always arms and disarms the alarm
• Resetting the alarm can only be accomplished with a control key.

Accessories
• ECL-2100K - Bar Guard Kit- to protect end of bar, when required by code
• BE-961- Hard wired Conversion Kit, eliminates battery
• ECL-620- Outside Lever Trim (rim cylinder sold separately)

Detex Limited Warranty
10 Year Limited Manufacturer’s Warranty

V40xW Value Series
Weatherized Rim Exit Device
The V40xW Series wide or narrow stile rim exit device is secure and durable, Grade 1 panic and fire exit hardware at an economical price. It is designed for use on all types of single and double doors and gates with Mullions that are or may be exposed to the weather.

The patented mounting plate and strike locater system ensures the easiest and most accurate installation of panic hardware available.

Detex Limited Warranty
10 Year Mechanical/3 Year Electrical

V40xEBxW Value Series
Weatherized Rim Exit Device
The V40xEBxW device option is designed for doors and gates requiring a stand alone, battery powered, alarmed, weatherized panic device. The alarm, with approximately 100dB, will sound when someone attempts to exit, alerting management that an unauthorized exit has occurred.

Detex V40 EB-W CD, Battery Powered Alarmed Weatherized Rim Exit Device
36 - Fits 36” Door Width
48 - Fits 48” Door Width
Powered by standard, 9-volt battery
Door Thickness
1-3/4”- 2-1/4”
Door Style
• Fits 2-1/2” stile doors with 98 semi-mortise strike
• Fits standard doors with 99 strike
• NSK- Narrow Kit- for 2” narrow stile glass door applications (Option)

Fasteners
• Machine and Self-Drilling Screws
• Cylinder Dogging (CD) Standard
• Stainless steel, 3/4” deadlocking
• Pullman-type latch bolt

Single Mortise
1-1/8” cylinder (sold separately) provides arming and dogging- 1/8 turn cylinder dogging
• Field selectable key rearm or 2 min. auto rearm
• Visual and audible arming indicators
• Armed and disarmed field selectable status indicator

In addition to listing as UL panic and fire exit hardware device, this device conforms to MIL-STD 810F Method 506.4 (driving rain test), MIL-STD 810F, Method 509.4 (salt fog test) and UBC standard 7-2 (positive pressure).

Accessories
• ECL-2100K- Bar Guard Kit- to protect end of bar, when required by code
• BE-961- Hard wired Conversion Kit, eliminates battery
• ECL-620- Outside Lever Trim (rim cylinder sold separately)

Detex Limited Warranty
10 Year Mechanical/3 Year Electrical

Single Door
Double Doors with key removable Mullion
Exit Control Locks ECL-230D (Short Bar), ECL-230D-PH (Long Bar)

The ECL-230 is a code compliant, battery alarmed, rugged dead bolt, panic device with steel plate and photo-luminescent sign providing managed security and a 100 decibel alarm for secondary exits.

Benefits:
- Attack resistant design withstands over 2200 lbs. of outside pull force
- Proven durability and reliability at a reasonable price
- Reduces employee and customer theft
- Easy to install
- Time tested construction resists attack from the inside
- Durable steel plate with photo luminescent sign absorbs light to then “glow in the dark” when lights are dimmed
- Easy to see if the lights go out
- Straightforward operation that everyone understands

Features:
- Single point, 1” throw dead bolt
- Saw resistant dead bolt
- Corrosion resistant alloy lock body
- 100 decibel alarm, powered by 9-volt battery
- Accepts 5-pin through 7-pin standard and interchangeable pin, allowing the DDH-2250 to be
- Resetting the alarm can only be accomplished with a control key
- Non-handed
- Locking and unlocking the dead bolt always arms and disarms the alarm
- Dimensions: 7-1/8” long x 2-1/4” deep x 2-7/8” high

ECL-230D Short Arm shown

EAX-500/500W Series Exit Alarms

The Detex EAX-500 and EAX-500W is designed for applications that require a battery-powered alarm on secured doors. The alarm, with approximately 100dB, will sound when someone attempts an unauthorized exit. The redesigned shape and smaller size of the EAX-500 makes it the choice for quick and easy installations on emergency exit and restricted doors. EAX-500W for emergency exits that open to the outdoors or wet environment.

Features:
- Low cost, self-contained door alarm with piezo horn that sounds to warn unauthorized use of a door or gate
- EAX-500W Weatherized electronics certified to Driving Rain and Salt Fog Test
- Field selectable 2-minute auto rearm, if desired
- 9VDC battery operated with Low Battery Alert
- Secure, tamper resistant housing
- Tapered cover allows for installation on narrow stile doors, 2” minimum
- Alarm can only be silenced by proper control key
- Extended bypass (now a standard feature) allows alarm to remain bypassed when door is open and automatically rearm upon door closing
- Field selectable status indicators, if desired
- 3 Year Limited Manufacturer’s Warranty

DDH-2250 Series Double Door Holder

This Detex DDH-2250 is a double door holder used with Detex 230 and V40 exit control locks. It is used to provide locking of the inactive leaf on an outswinging door.

Benefits:
- Double Door Holder is designed for use with Detex Exit Control Locks to provide locking of the inactive leaf on an outswinging double door.
- Release of the active leaf disengages the DDH-2250 allowing the inactive leaf to open freely.
- Activating the exit control lock by pushing the bar and opening the active leaf, automatically disengages the DDH-2250, providing instant emergency exit of both doors.
- Housing is cast in 3/16” durable zinc alloy with a textured finish on the 1/4” thick faceplate.
- Mounting-kit contains screws, allen wrench, strike plate, door protection plate and templates
- For mounting on either the left or right door
- Case hardened steel locking bolt is actuated by an interchangeable pin, allowing the DDH-2250 to be mounted on either leaf of a double door opening. The unit automatically locks the inactive leaf in position when the active leaf is closed.
- Stainless steel spring provides instant release of the lock bolt in an emergency egress situation.
- Dimensions: 7-1/8” long x 2-1/4” deep x 2-7/8” high

EAX-2500S Series Exit Alarms

This Detex EAX-2500 is designed for applications that require a hardwired AC/DC alarm for secure doors. This alarm is a self-contained door alarm that sounds to warn of an unauthorized use of an emergency exit or restricted door.

- Fits into a standard 4” x 4” outlet box for both surface and flush installations
- 1-1/8” Mortise cylinder required with standard Yale cam to arm/disarm alarm (not included)
- Alarm can only be silenced with proper control key
- Manual arming, disarming and rearming
- LED visual arming and Audible arming indicators
- Includes back box for installation
- Approximate 100dB piezo alarm
- Remote bypass compatible
- Alarm relay output
- Alarm accepts 5, 6 and 7 pin standard and interchangeable core mortise cylinders with a standard Yale cam
- Field selectable 2-minute auto rearm
- Field selectable status indicators
- Patented cam assembly automatically adjusts for different sizes of cylinders without the use of spacers
- Tamper switch monitors cover manipulation
- Extended bypass allows alarm to remain bypassed when door is open and automatically rearm upon door closing
- Voltage 12/24V AC/DC hardwired power with optional 9V battery backup
- Finish Grey

Double Door Holder
Access Control

Simplex Series

L1011 Model

Is a weather resistant mechanical pushbutton lever lock.
- Pin access code is easily programmed at the door
- One combination code is used per lock made of any combination of one to five numbers
- Retracts cylindrical and tubular locksets with 2-3/4" backset
- Keypad is vandal resistant with solid metal pushbuttons
- Handed
- Door thickness: 1-5/8” to 2”
- Stile: Minimum of 5” required

L1031-26D Model

This Kaba Access Control L1031-26D is a Simplex mechanical pushbutton lever lock. It is supplied with the passage mode which, when set, allows free entry without using the combination code but by activating it with a key on the outside or thumbturn on the inside.
- The passage mode allows access without using the lock entry code. The feature is activated from the inside with a thumbturn or a key (included).
- The pin access can easily be programmed at the door
- One combination code is used per lock, made of any combination of one to five numbers
- Retracts cylindrical and tubular locksets with a 2-3/4" backset.
- The 5 numeric pushbuttons are constructed with anodized aluminum and are vandal resistant
- This lock is weather resistant
- Handed
- Door thickness: 1-5/8" to 2”
- Stile: Minimum of 5” required
- Three-hour UL/ULC Fire rating for "A" label doors.
- 3 year limited warranty

L1021 Model

Provides exterior access by combination while allowing free egress
- Numeric Keypad is Vandal resistant with solid metal pushbuttons
- No Battery: Fully mechanical lock eliminates the material and labor expense of battery replacements
- The key override feature can be prepped to fit small format interchangeable core (Best type) or large format removable cores
- The pin access code can be easily programmed at the door
- One combination code is used per lock made of any combination of one to five numbers
- Retracts cylindrical and tubular locksets with a 2-3/4" backset
- The 5 numeric pushbuttons are constructed with anodized aluminum and are vandal resistant
- This lock is weather resistant
- Handed
- Door thickness: 1-5/8” to 2”
- Stile: Minimum of 5” required
- Three-hour UL/ULC Fire rating for "A" label doors.
- 3 year limited warranty

L1031-26D Model
All Trilogy electronic door locks feature:

- In an hour, add a dependable wireless access control keyless door lock, one door at a time—easily retrofit standard knobsets.
- Support 100 to 2000 PIN codes (3-5 or 6 digits); some with built-in HID prox readers for use with access ID cards/fobs.
- Multi-level user codes & one-time service codes. Free passage, group- or total lockout modes, too on Trilogy security locks.
- All keyless entry door locks are fingertip programmable at vandalproof all-metal keypad.
- PC programmable models also feature printable audit trail, auto-lock/unlock scheduling saving guard/manpower costs.
- Long-life battery operation (cylindrical models use 5AA off-the-shelf batteries); low battery alert.
- Key override on all Trilogy electronic locks, standard core (supplied) or interchange core prep.
- Non-handed cylindrical models.
- Programmable relay functions.
- Durable BHMA Grade 1 Lockset.
- Weatherproof models-31˚ to +151˚F (-35˚ to +66˚C). rugged electronic door locks.
- Curved Regal handle option.
- 5 Architectural finishes: US3 polished brass, 26 polished chrome, 26D satin chrome, 5 antique brass, 10B duronodic.

Trilogy T2: Electronic Cylindrical Digital Locks

Trilogy T3: Choice Of Audit Trail Pushbutton Locks

DL2700 Model
Our most popular keypad door lock—now with more codes & power!

- More codes: up to 100 3-5 digit codes: 1 master, 10 managers, 90 basic users, 3 one-time service codes.
- 5AA battery operated; 175,000 cycles, typically.
- For outdoors, specify WP weatherproof models -31˚ to +151˚F (-35˚ to +66˚C).

DL2800 Model
Trilogy economical audit trail security lock provides keyless entry for up to 200 users.

- Cylindrical Lock ##1000 event audit trail log, time-stamped by day, date, time and user.
- 150 scheduled automatic lock/unlock events, etc.
- 200 user codes: Master, manager, supervisor and basic users. Also one-time service code (3-6 digits).
- Weatherproof-31˚ to +151˚F (-35˚ to +66˚C).
- Relay may be programmed to energize on one or more selected events.
- 5AA Battery operated; 80,000 cycles, typ.

DL3000 Model
- Original Audit Trail Trilogy keypad lock, similar to above.
- 300 multilevel user codes; 1600 event log.

DL3200 Model
Advanced digital electronic door lock with audit trail.

- High Capacity Audit Trail Lock.
- New, enhanced version of the original DL3000.
- 2000 user codes (3-6 digits).
- Multilevel security: Master, manager, supervisor, basic users.
- Program at keypad or with PC-and/or data-transfer module.
- 40,000 event audit trail logs with time-/date-stamp of access by user; create PC reports or at hand-held wireless printer.
- 150 scheduled lock/unlock events.
- Quick passage mode (without being in program mode).
- Weatherproof -31˚ to +151˚F (-35˚ to +66˚C).
- 5AA Battery operated; 80,000 cycles, typ.

DL5300 Model
Double-sided Trilogy for keypad
PIN-code keyless entry access control on both sides of door.

- 2000 users may be granted direction-specific access (i.e., each code can be programmed to only allow access to go into an area, out of an area, or all ways).
- Easy independent programming of direction through the door by code (i.e., inside to outside, outside to inside or both).
- Time-date-stamped 40,000 event audit trail also indicates direction of door usage.
- Data port for programming lock and querying audit trail is on primary side of door, along with functioning mechanical key override.
- Mirror image on 2nd side, where key unlocks battery chamber.
The CO Series is the ideal solution for customers seeking the added security and convenience of electronic access control without the cost or complexity of a fully networked system.

The CO-100 is a standalone lock that is manually programmable. User rights for the CO-100 are stored on the lock. Unique PIN codes can be assigned to each user. This minimizes the number of mechanical keys issued which protects the integrity of your key system. PIN codes can be easily added or deleted at anytime, right at the door.

The CO-100 from Schlage offers you many choices. Cylindrical, mortise, and exit trim chassis options are available, as well as a wide variety of finishes and levers to suite with your existing hardware. Mechanical key override is standard and compatible with multiple cylinder types. The CO Series is also compatible with many popular brands of exit devices. The CO-100 in office function can be hard wired to a remote release button to control the door without the use of temporary PIN codes.

The CO Series has been tested the highest standards in the industry to ensure the quality and reliability you have come to expect from Schlage. The CO Series is ANSI/BHMA A156.25, ANSI/BHMA Grade 1 certified and UL 294 Listed.

Features and Benefits:
- Manually programmable
- Up to 500 unique 3-6 digit PIN codes stored on the lock
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1 certified, UL 294 and UL 10C listed, hurricane wind and impact rated
- Classroom/storeroom, office and privacy function available
- Chassis options include cylindrical, mortise and exit trim
- Compatible with most major brands of key systems and exit devices
- Hard wired, remote release push button capability
- Three levels of user authority
- Normal, toggle, pass through, and freeze credential attributes available
- LED indicator visually communicates lock status
The stand-alone nexTouch boasts a wide range of robust features to make setup and daily access easy and convenient. Its fully modular design allows users to easily upgrade to more advanced security technologies as their requirements grow and change. Advanced voice-guided programming makes setup straightforward and effortless.

The stand-alone nexTouch has the capacity to store up to 100 users plus a master code. Ideal for Management offices, Restrooms, Staff lounges, Access to airport apron, Storage closets as well as new construction or renovation projects of multi-family facilities with individual units and common areas.

Standard Lever Styles
- Augusta (AU)
  Lever: Cast Zinc
- Monroe (MO)
  Lever: Cast Zinc
- Pacific Beach (PB)
  Lever: Cast Zinc

The nexTouch is a perfect small business solution that allows you to implement simple access control by wirelessly integrating your nexTouch into new or existing commercial automation systems.

Compatible with both ZigBee and Z-Wave technologies based on your system requirements thanks to modular radio design.

credentials and access rights can be managed remotely and in real time, using any partner automation system.

Features and Benefits:
- ANSI/BHMA Grade 1 certified
- Choice of capacitive touchscreen or tactile pushbutton keypad
- Ergonomic, easy-to-use design
- Keyless entry and management
- PIN code access
- Modular technology
- Works with cloud-based management software
- Continuously updated audit trail
- Solid metal escutcheon
- Voice-guided programming in 3 languages
- Three (3) volume modes
- Privacy feature with Door Position Switch
- Weather resistant gasket seal
- Low battery indicator
- 9V battery power backup feature
- Optional passage mode
- Hardwire power capable
- Keypad lockout feature

The RCI 4114-05-32D electric strike series are used with aluminum, cylindrical, centerline mortise lock and exit devices. These electric strikes have earned their reputation as durable, reliable and economical means of controlling access and unique anti-vibration design prevents manipulation by vibration.

Features and Benefits:
- Brushed Stainless Steel finish
- Static strength: 1000 lbs
- Non-handed
- Fail locked- fail secure
- Voltage input: 12V AC/DC
- Faceplate: 1-1/4"W x 4-7/8"H (32mm x 124mm), ANSI square corners
- Standard mounting tabs, fasteners, and trim plate included
- Use with wide range of door thicknesses (1-3/8" to 2-3/8")
- UL 1034 Burglary-resistant listed

- Accommodates 3/4" latch projection
- 1-1/2" cut-out depth accommodates most aluminum and wood frame profiles
- Unique anti-vibration design prevents manipulation by vibration
Electric Strikes

1006 Series
The 1006 series is the strongest and most versatile electric strike available. The dual interlocking plunger design and heavy duty stainless steel construction, enables it to exceed every standard developed for electric strikes. With multiple faceplate options, the 1006 will fully accommodate every lock designed to work within an ANSI 4-7/8” strike plate. Tested to exceed 3,000 lbs of static strength, 350 ft-lbs of dynamic strength and factory tested to exceed 1,000,000 cycles of operation, the 1006 is in a class of its own.

Features and Benefits:
- Stainless steel construction
- Tamper-resistant
- Static strength 3,070 lbs (fail secure)
- Dynamic strength 350 ft-lbs (fail secure)
- Endurance 1,000,000 cycles
- Fail secure
- Dual-voltage 12 VDC or 24 VDC continuous duty
- Non-handed
- Internally mounted solenoid
- Accommodates up to 1” deadbolt
- Plug-in connector
- Full keeper shims for horizontal adjustment
- Trim enhancer
- 5 Year limited warranty

5200 Series
The 5200 series Grade 1 electric strike features an in-frame horizontal adjustable design to simplify the installation process. This features allows the installer to easily adjust the electric strike opening to accommodate the horizontal position of the latchbolt after the strike has been installed. This field selectable fail secure/fail safe unit is easy to install and accommodates latchbolts up to a 3/4” throw.

Features and Benefits:
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail secure/ fail safe
- Dual voltage 12 or 24 VDC/VAC
- Non-handed
- Internally mounted solenoid
- Accommodates 5/8” - 3/4” latchbolt (3/4” with 1/8” door gap)
- Strike body depth 1-1/16”
- Plug-in connector
- Trim enhancer included
- UL1034 Burglary listed
- Five year limited warranty

8000 Series
The 8000 series is a Grade 1 compact, high-performance electric strike featuring a unique concealed design for use with cylindrical locksets. No cutting on the frame is required. Simply remove the existing strike plate, adjust the vertical alignment feature to the latchbolt centerline, and install. Its strength is derived from a unique keeper pin locking design, enabling the 8000 to exceed the ratings of the frame, door and locking hardware. This field selectable fail secure/fail safe unit is easy to install and accommodates latchbolts up to 5/8” throw.

Features and Benefits:
- 12 or 24VDC
- Outdoor rated
- UL1034 Burglary listed

8300 Series
The same features at the 8000 but, is UL10C, fire rated for 3 hours (fail secure only).

8500 Series
Fire rated, compact, high performance electric strike featuring a unique concealed design for use with mortise locksets without a deadbolt has same features as the 8000 Designed for fast, convenient installation, the 8500 installs with little or no modification to the frame. Simply remove the existing strike plate, remove the dust box and install. Its strength is derived from a unique keeper pin locking design, enabling the 8500 to exceed Grade-1 ratings. This unique electric strike complies with NFPA 80-07 guidelines for retrofit into fire-rated frames. The 8500 accommodates mortise latchbolts up to 3/4” throw.
9400 Series
The 9400 series is a slim-line, surface mounted electric strike designed to accommodate rim exit devices with a 1/2" Pullman latch. All components are completely encased within its 1/2" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt, and install. The 9400 ships with a 1/8" spacer plate to accommodate varying door gaps. The 9400 exceeds Grade-1 standards for strength and performance. It is field selectable for fail secure and fail safe operation, and for 12 or 24 VDC. The 9400 features a smooth cover to conceal the mounting screws and provide a sleek surface for superior looks.

Standard Features:
• Installs in metal and wood frames
• Completely surface mounted
• Decorative cover for sleek new look
• Stainless steel construction
• Tamper resistant
• Static strength 1,500 lbs.
• Dynamic strength 70 ft-lbs.
• Endurance 500,000 cycles
• 1/8" spacer plate included
• Field selectable fail safe/fail secure
• Dual voltage 12 or 24 VDC
• Horizontal adjustment
• Non-handed
• Internally mounted solenoid
• Accommodates up to 1/2" Pullman latch
• UL 1034 Burglary resistant
• Five year limited warranty

9500 Series
The 9500 series is a 3 hour fire-rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw Pullman latchbolt. All components are completely encased within its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt and install. Adjustments have never been easier as the base is now separate from the cover. The 9500 exceeds Grade 1 standards for strength and performance. It is field selectable for fail secure or fail safe operation, and for 12 or 24 VDC. This unique electric strike complies with NFPA 80-07 guidelines for retrofit into fire-rated frames.

Standard Features:
• Installs in metal or wood frames
• Wood screws not provided
• Separate base and decorative cover for easy adjustments
• Stainless steel construction
• Tamper-resistant
• Static strength 1,500 lbs.
• Dynamic strength 70 ft-lbs.
• Endurance 1,000,000 cycles
• Field selectable fail secure/fail safe
• Dual-voltage 12 or 24 VDC
• Horizontal adjustment
• Non-handed
• Internally mounted solenoid
• Accommodates up to 3/4" Pullman latch
• Five-year limited warranty

9600 Series
The 9600 series is a windstorm-rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw Pullman latchbolt. All components are completely encased within its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt and install. Adjustments have never been easier as the base is now separate from the cover. It is field selectable for fail secure or fail safe operation, and for 12 or 24 VDC. The 9600 is the only surface mounted electric strike designed with the strength and durability required to exceed the severe forces of ANSI Windstorm testing.

Standard Features:
• Installs in metal or wood frames
• Wood screws not provided
• Separate base and decorative cover for easy adjustments
• Stainless steel construction
• Tamper-resistant
• Static strength 2,000 lbs.
• Dynamic strength 120 ft-lbs.
• Endurance 1,000,000 cycles
• Field selectable fail secure/fail safe
• Dual-voltage 12 or 24 VDC
• Horizontal adjustment
• Non-handed
• Internally mounted solenoid
• Accommodates up to 3/4" Pullman latch
• Five-year limited warranty
Electric Strikes

012
24AC Trine Light Commercial ANSI 01 Series Electric Strikes
Used for new or replacement installations in metal jambs and use with locksets having up to 5/8” throw, based on 1/8” door gap.

Features and Benefits:
• Brass Powder finish
• Faceplate: 4-7/8” x 1-1/4”
• 1200 lbs holding force
• Heavy duty latch spring
• Mortise backset: 1-5/8”
• 24V AC
• Cast steel latch
• Durability: 300000 life cycles

EN400 Series
Commercial Low Voltage Electric Strike
Fire rated for 3 hour doors for cylindrical locks

Features and Benefits:
• Use with Metal / Wood doors
• For use with locksets having up to 7/8” throw (based on 1/8” door gap)
• Fail-secure (unlocks when energized)
• All stainless steel construction
• Heavy-duty latch spring
• 7/8” cavity depth
• UL listed; Grade 1

4100-32
Trine Access Technology 4100 Series Fail Secure Cylindrical and Mortise Lock Electric Strike
The Trine 4100-32 series is used with cylindrical lockset, mortise lock without deadbolts and mortise exit device. The 4100 series are certified to ANSI/BHMA A156.5 Grade 1.

Features and Benefits:
• Polished Stainless Steel finish
• 1- 3/8” shallow backset
• Four faceplates are included
• 3250 lbs holding force
• UL listed 3 hour fire rating
• 1034 burglary resistant
• UBC 7-2, Uniform building Code.
• The 4100 Trine series are certified to BHMA Grade 1
• Fail-secure
• Regular and Torx screws are included and 2 trim skirts provided
• Voltage: 12 and 24DC, 12-24 AC
Works with the Schlage L series and Yale 8700 series without relocating mounting tabs

4100DBDL
Two Independently Activated Switches
For use with mortise locks w or w/o deadbolt. Provides a physical means to allow users privacy with a deadbolt while still allowing administration override.

Features and Benefits:
• BHMA Grade 1 Electric Strike-- heavy duty construction, 1,000,000+ Life cycles – 3,250+ lbs. Holding Force
• Four popular faceplates included-- including the 4 most used faceplates for most mortise lock configurations plus the open plates.
• Low Current Draw -- .240 Amp at 12DC makes it very PoE Friendly 12 & 24DC -12 through 24 AC. All the low voltage and amperage flexibility you need.
• Class A, 3 hour fire rated single door/ frame configuration
• 1034 Burglary Resistant

*Please note that electronics are for individual solenoids – and the 4100DBDL may have both units activated at the same time.
### 4200-ALUM

**Trine Access Technology 4200 Series Fail Secure Electric Strike for Cylindrical and Deadlatches with Fascia in Aluminum**

The Trine 4200-ALUM Electric strike series is designed for use with cylindrical locksets and deadlatches in aluminum, metal and wood frames. The 4200 has the tallest cavity in its class. This added height solves door sag and other alignment problems. The 4200 series are certified to ANSI Grade 1.

**Features and Benefits:**
- Aluminum finish
- 1-1/16" shallow backset
- Four faceplates are included
- 1500 lbs holding force
- The 4200 Trine series are certified to BHMA Grade 1
- Fail-secure
- 1 Trim skirt Included
- Voltage: 12 and 24DC, 12-24 AC

Works with the Schlage L series and Yale 8700 series without relocating mounting tabs.

### 4800F

**For use with surface mounted rim exit devices with up to 1” throw.**

For use in new or replacement installations in wood or metal door frames and tight installs.

**Features and Benefits:**
- 3 hour fire rated electric strike
- No cutting of the frame
- Built-in electronics automatically allow 11 thru 28 AC & DC Voltage input with surge and kickback protection.
- Contains a one piece locking mechanism with one Solenoid
- Fail-safe/Fail-secure - field selectable
- BHMA Grade 1 Electric Strike: 1,500,000+ Life cycles 3,000+ lbs. Holding Force

### 5205 Series Transformer

**Plug In Type Tri-Volt AC Transformer**

The 5205 series are used for electric strikes, bells, buzzers, chimes, and other low voltage devices. A complete line of UL listed step down transformers and easy to install, low voltage, 120AC primary for residential, commercial and industrial uses. Transformers will safely take themselves off line when they overheat. Transformers can be either base mounted or attached to standard knockouts on boxes or cabinets. All primary leads are pre stripped for quick connection.

**Features and Benefits:**
- 120 volt primary AC
- 2"D x 3"H x 2-1/2"W 7oz
- Electric characteristics:
  - 8VAC - 10VA -1.25 AMPS
  - 16VAC - 10VA-0.62 AMPS
  - 24VAC - 20VA-0.83 AMPS

### 125 Series Transformer

**Hardwired**

- Primary voltage 120; secondary voltage: 8, 16, 24VAC
- Clamp-on: screw bracket mounting clamp for standard 1/2” knockouts 2-1/2” x 2-1/8” x 2-1/4”

### SR-1 Trine Silicon Rectifier

The SR-1 series are used for converting AC voltage to DC voltage and used for AC power supplies up to 27 volt AC 1 amp.

**Features and Benefits:**
- For converting AC voltage to DC voltage
- For AC power supplies up to 27 volt AC 1 amp
- DC strikes do not buzz, click only
- Size 1” x 1/2” x 1”
- 2-27VAC-1.00 AMPS
Deadlocks & Deadlatches

MS1850S Series
Deadlock
Utilizes a laminated stainless steel bolt, activated by a pivot mechanism to provide maximum security for a single leaf narrow stile door.

Function
A huge bolt of laminated stainless steel, nearly three inches long, activated by an uncomplicated pivot mechanism, has made this basic MS® Deadlock the standard of the narrow stile door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between the door and jamb is greater than it should be.

Operation
360° turn of key or thumbturn throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1-5/32” diameter mortise cylinder or thumbturn from either or both sides. Cylinder must have MS® dimensioned cam.

Specifications
Cylinder Backset
7/8”, 31/32”, 1-1/8”, or 1-1/2” only

4510 Series
Standard Duty Deadlatch
Provides flexible traffic control during and after business hours.

Function
The 4510 Standard Duty Deadlatch offers flexibility of traffic control during and after business hours. A reverse turn of the key while the bolt is held retracted retains the bolt to allow two-way traffic for hospitals, banks, stores, and other buildings which require free entrance at certain times and exit-only at other times. Interchangeable, without stile modification, with any MS1850A or MS1850S Deadlock of same backset and faceplate shape. They do not, however, provide the same maximum security level as the MS® Deadlock.

Operation
Turn key or operate handle to retract spring-loaded latchbolt. To hold bolt retracted, push it in and secure by reverse turn of key. Uses any standard mortise cylinder with MS® dimensioned cam.

Specifications
Bolt Holdback
While bolt is held fully retracted, a reverse turn of the key retains the bolt, allowing the door to be free swinging.

Cylinder Backset
7/8”, 31/32”, 1-1/8” or 1-1/2” only
Hold Open Arms, Push/Pull Latch

90 Series Heavy Duty

Features
- Surface mounted
- Non-handed
- Single acting doors

Options
- J: Angle jamb bracket
- SHIM: Blade stop shim kits
- SOC: Pin-in-socket security screws

Models
- 90H: Series hold-open
- 90S: Stop only
- 90F: Friction hold-open
- 90SE: Special stc

PL7/PL8HL6
Privacy Function

Features
- Mounts in three positions
- Four basket sizes 2", 3", 5", 7"
- Non-handed
- No fusible link to fail

Options
- B: Brass base material for US26/US26D
- E: Engraved handles PUSH/PULL
- F: Entrance only
- EC: Exit only
- L: Lead lined
- RL: Roller latch conversion kit
- SOC: Pin-in-socket security screws

Models
- PL7: PUSH-SIDE thumbturn
- PL8: PULL-SIDE thumbturn

Application Information

The patented design is ideal for restrooms or patient bathrooms. The sleek design has a short throw angle, allowing the door to be opened with an easy push or pull action, even when hands are not free. The release on opposite side provides for access in case of emergency.

For applications with the handles pointing towards the latch edge of the door, the 7" backset must be used. Both handles must point in the same direction. When both handles point up or down, any backset may be used.

Combination HL6/Mortise Lock

The HL6 Push/Pull latch is available with a Schlage L series heavy duty mortise lock included. Mortise lock combination models are furnished with a 2" backset.

The sleek design has a short throw angle, allowing the door to be opened with an easy push or pull action, even when hands are not free. The mortise lock offers many lock functions. The only handle orientation not available would be handles pointing towards the latch edge of the door.

100 Series Medium Duty

Features
- Concealed model
- Non-handed
- Single/Double acting doors

Options
- ADJ: Adjustable jamb bracket
- CJ: Jamb bracket for use with LCN 5030
- SOC: Pin-in-socket security screws

Models
- 100H: Series hold-open
- 100HP: Series internal hold-open
- 100F: Friction hold-open
- 100S: Stop-only
- 100SE: Special stop-only

70/79 Series Heavy Duty

Features
- Concealed model
- Non-handed
- Single/Double acting doors

Options
- ADJ: Adjustable jamb bracket
- CJ: Jamb bracket for use with LCN 5030
- SOC: Pin-in-socket security screws

Models
- 100H: Series hold-open
- 100HP: Series internal hold-open
- 100F: Friction hold-open
- 100S: Stop-only
- 100SE: Special stop-only

Hat Open Arms, Push/Pull Latch

100 Series Medium Duty

Features
- Concealed model
- Non-handed
- Single/Double acting doors

Options
- ADJ: Adjustable jamb bracket
- CJ: Jamb bracket for use with LCN 5030
- SOC: Pin-in-socket security screws

Models
- 100H: Series hold-open
- 100HP: Series internal hold-open
- 100F: Friction hold-open
- 100S: Stop-only
- 100SE: Special stop-only

70/79 Series Heavy Duty

Features
- Concealed model
- Non-handed
- Single/Double acting doors

Options
- ADJ: Adjustable jamb bracket
- CJ: Jamb bracket for use with LCN 5030
- SOC: Pin-in-socket security screws

Models
- 100H: Series hold-open
- 100HP: Series internal hold-open
- 100F: Friction hold-open
- 100S: Stop-only
- 100SE: Special stop-only

90 Series Heavy Duty

Features
- Surface mounted
- Non-handed
- Single acting doors

Options
- J: Angle jamb bracket
- SHIM: Blade stop shim kits
- SOC: Pin-in-socket security screws

Models
- 90H: Series hold-open
- 90S: Stop only
- 90F: Friction hold-open
- 90SE: Special stc

PL7/PL8HL6
Privacy Function

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- Four basket sizes 2", 3", 5", 7"
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- No fusible link to fail

Options
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- F: Entrance only
- EC: Exit only
- L: Lead lined
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Restroom Signs
Americans With Disability Act (ADA)

- Includes tactile characters & Grade II braille
- Meets size & placement specifications
- Available in blue & black
- Double faced tape for easy installation
- Individually poly bagged
- Packed 10 pieces per inner box, 100 pieces per master carton

Complies to exterior & interior handicap accessible restrooms & international symbol of signs
- Raised letters & symbols
- Braille for the blind
- Available in blue & black
- Double faced tape for easy installation
- Individually poly bagged
- Packed 10 pieces per inner box, 100 pieces per master carton
(or may vary depending on customer request)
Restroom & Exit Signs
California Approved

- Includes tactile characters & contracted Grade II braille
- Meets size & placement specifications
- Double faced tape for easy installation
- Individually poly bagged
- Packed 10 pieces per inner box, 100 pieces per master carton

Stickers

**THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS**
- **WDC13** - White on Black Decal 1-1/2” x 24”
- **BDC12** - Black on Clear Decal 1-1/2” x 24”

**THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS**
- **TDUWB** - White on Black Decal 1-1/2” x 24”
- **TDUB1** - Black on Clear Decal 1-1/2” x 24”

**THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED**
- **WDO11** - White on Black Decal 1-1/2” x 27-1/2”
- **BDO5** - Black on Clear Decal 1-1/2” x 27-1/2”

**THESE DOORS TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED**
- **TDUC14** - White on Black Decal 1-1/2” x 27-1/2”
- **TBDC19** - Black on Clear Decal 1-1/2” x 27-1/2”
Door Hardware

Security Bolts

Heavy Duty Commercial Surface Bolts
- Offers tamper-resistant mounting.
- Can be used for both in-swinging and outswinging doors.
- Available with both mortise and universal strikes.
- Conforms to ANSI/BHMA A156.16, L84161.

Finishes: US26D

ESBUL50  ESBUL12
Length: 8"  Length: 12"
Width: 1"  Width: 1"
Projection: 1 5/8"  Projection: 1 5/8"
Bolt Throw: 1 3/16"  Bolt Throw: 1 3/16"

Solid Brass Commercial Manual Flush Bolt
- Nonhanded
- UL Listed for fire-rated metal doors
- Bolt tip is 1/2" diameter
- Conforms to ANSI/BHMA A156.16, L04251.
- Optional Rod lengths available 18", 24", 36" and 48"
- Architectural finishes available

Finishes: US3, 4, 5, 10, 10B, 15, 15A, 26, 26D, Almond/White

Door Stops

Wall Door Stop & Manual Holder
- Heavy duty commercial grade wall door stop for high traffic conditions. Solid Cast Brass or Bronze heavy duty construction.
- Unit functions as stop but serves as a Hold-Open device when hook is manually engaged in strike
- Conforms to ANSI/BHMA 156.16, BHMA:L11351 for brass, FED SPEC:1321E
- Architectural finishes available

Finishes: US3, 26, 26D, 10B

Base Diameter: 2 1/4"  Strike Projection: 1"
Projection: 3 5/8"  Hook: 2 3/4"
Strike Height: 1 1/2"  Eye: 1 3/8" x 1 1/8"
Strike Width: 1 3/16"

Floor Door Stop & Manual Holder
- Unit functions as stop but serves as a Hold-Open device when hook is manually engaged in strike.
- Conforms to ANSI/BHMA 156.16, BHMA:L11371, FED SPEC:1329E
- Architectural finishes available

Finishes: US3, 26D, 10B, 26

DSLP4  DSHP18
Base Height: 1/8"  Base Height: 3/8"
Overall Height: 1"  Overall Height: 1 3/8"
Base Dia: 1 3/4"  Base Dia: 1 3/4"

Zinc Die Cast Drop Down Door Holder
- Vinyl rubber stop with concentric groove design for maximum non-slip grip (#RUBDH25)
- Architectural finishes available

Finishes: US3, 26, 26D, DURO

Arm: 4"  Base: 7/8" x 1 3/4"

Floor Dome Stops
- For doors with threshold or undercut doors.
- Heavy-Duty Cast Dome Stops constructed of solid brass
- DSLP4 conforms to ANSI/BHMA 156.6, L12141 Low profile
- DSHP18 conforms to ANSI/BHMA 156.6, L12161 High Profile
- Architectural finishes available

Finishes: US3, 4, 5, 10, 10B, 15, 15A, 26, 26D

DSLP4  DSHP18
Base Height: 1/8"  Base Height: 3/8"
Overall Height: 1"  Overall Height: 1 3/8"
Base Dia: 1 3/4"  Base Dia: 1 3/4"
FRGCO85 / FRGCO65 Coordinators

- FRGCO85 and FRGCO65 coordinators are made for use on pairs of doors with or without an astragal. Roller arm (FRGCO65-7” projection), (FRGCO85 – 9” projection) stops active door from closing before the inactive door.
- Gravity action arm and door bracket are adjustable on the job for ease of installation. It features a nylon roller to enable the inactive door to easily operate the coordinating device.
- The solid brass device is field reversible and supplied with all necessary fasteners and installation instructions. The base material are made of forged brass and are available in architectural finishes.

Crash Chains

Super Heavy Duty Chain Door Stop With Vinyl Cover

- Heavy Duty compression spring on both ends of chain and end brackets
- Thick gauge steel brackets
- Welded solid steel chains
- Conforms to ANSI/BHMA A156.16 L12231 (Grade 1)
- Weather and rip resistant vinyl cover
- Comparable to IVES #115

Finishes: US26D
Spring Diameter: 13/16”

Wall Bumpers

Convex Wall Bumpers

- Manufactured using Stainless Steel or Solid Brass
- Conforms to ANSI/BHMA 156.16 L22201 for brass and L52101 for Stainless Steel
- Architectural finishes available
Finishes: US32D, 3, 4, 26, 10, 10B
Base Diameter: 2 1/2”
Base Thickness: 3/8”
Overall Projection: 1 3/16”

Concave Wall Bumpers

- Manufactured using Stainless Steel or Solid Brass
- Conforms to ANSI/BHMA 156.16 L22201 for brass and L52101 for Stainless Steel
- Architectural finishes available
Finishes: US32D, 3, 4, 26, 10, 10B
Base Diameter: 2 1/2”
Base Thickness: 3/8”
Overall Projection: 1 3/16”

Risers

- Heavy Duty Diecast construction
- For conversion of DSLP4 or DSHP18 Dome Stop for carpet installation or adapting to threshold use
- Conforms to ANSI/BHMA 156.1, L12161 when used with DSLP4
- Architectural finishes available
Finishes: US3, 4, 5, 10, 10B, 15, 15A, 26, 26D
Base Dia: 7/8” x 1 3/4”
Height: 5/16”

Eye Viewer

- Door Viewer, 200 Degree Glass Lens
- UL Listed for 90-Minute Doors
- Conforms to ANSI/BHMA A156.16 L23172
- Architectural finishes available

10ULDV201
Bore: 9/16”
For Doors: 1” - 1 3/8” thick
Finishes: US3, 15, 26D, 10B

ULDV200
Bore: 9/16”
For Doors: 1 3/8” - 2 1/4” thick
Finishes: US3, 15, 26D, 10A, 10B

Roller Catch

Heavy Duty Roller Catch

- Adjustable Nylon Roller With Square Heavy Duty Cast 2 1/4” Full-lip Strike
- Conforms to ANSI/BHMA A156.16, E19091
Finishes: US3, 26, 19, 15, 5, 15A, 10B, 26, 26D

Face Plate: 1” x 3 3/8”
Full Lip Strike: 1/8” x 1” x 3 3/8”
Depth: 1 3/4”

CR550 Door Holder & Stops

Designed for medium to light-duty applications. Generally used for openings that are subject to normal traffic activity, thus extending the life of doors, frames, hinges and walls or obstructions.
Door Hardware

Dust Proof Strikes

**DP1**
- Designed for use with the bottom bolt of all flush bolts.
- Spring loaded plunger returns to floor or threshold level anytime flush bolt is retracted, eliminating need to clear standard floor strikes.
- Strike hole is 3/4" Diameter and 1-1/8" deep.
- DP1 Face Plate: 1-7/16" Diameter.

Finishes: US3, 4, 10, 10B, US26, US26D

**DP2**
- DP2 Face Plate: 1-5/8" W x 3-1/2" L x 1/8" thick.
- Body: 1-3/16" Diameter x 1-7/8" Deep.
- Meets ANSI/BHMA 156.16, L14011.

Finishes: US3, 4, 10, 10B, US26, US26D

**32, 52, 60 Series Coordinators**

- Designed for use with the bottom bolt of all flush bolts.
- Spring loaded plunger returns to floor or threshold level anytime flush bolt is retracted, eliminating need to clear standard floor strikes.
- Strike hole is 3/4" Diameter and 1-1/8" deep.
- DP1 Face Plate: 1-7/16" Diameter.

Finishes: US28, 26D 315N

FB41P Automatic Flush Bolt

Top Bolt

Bottom Bolt

FB61P Constant Latching Flush Bolts - Wood Doors

Top Bolt

Bottom Bolt

- Constant Latching - inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically when door closes.
- Top and Bottom Bolts (pairs)
- Low Actuation Forces
- Nonhanded
- Bolt throw is 3/4" with a 7/8" vertical adjustment
- Bolt backset is 3/4"

MB1 & MB2 Mounting Bracket

- Allows for stop mounted hardware to be properly installed without damaging the COR coordinator, such as a parallel arm closer or a non fire-rated surface vertical rod strike.
- Stop mounted hardware will need to be lowered to compensate for the height of the coordinator and mounting bracket.
- Mounting brackets are made of aluminum.

Finishes: USP, SP28, SPBLK

345 Adjustable Ball Catch

- Solid brass
- Dimensions: 1.375" x 2.125"
- Dual adjustment ball bearing catch for perfect tension
- Recommended for use on louvered, bi-folding, accordion, closet and light to medium service doors.
- Recommended for use when catch is fitted in the door.

Finishes: 3, 4, 5, 15, 10, 10B, 26, 26D
WS20 Drywall Mounting
WS20x Masonry Mounting
- Manual wall stop and holder
- Wall holder activated by manually placing strike over shank hook
- 4" projection keeps door 4" from wall
- Base: Diameter; 2-3/8"
- Strike: Height; 2"; Width; 1"

WS40 Automatic Wall Stop and Holder
- Base: Height: 2"; Width: 2-1/2"; Projection: 2-1/4"
- Engaged Projection: 3-1/2"
- Strike: Height: 2-1/16"; Width: 3/4"; Projection: 2"

WS45 Automatic Wall Holder Drywall Mounting
WS45x Masonry Mounting
- Base: Height: 3-11/16"; Width: 3" Base; Projection: 2"
- Engaged Projection: 3-7/16"
- Strike: Diameter: 2-3/8"; Projection: 3"

WS447 Wall Door Stop for Drywall Mounting
- Base Diameter: 2-1/4"
- Overall Projection: 3-11/16"

WS33 Wall Door Stop for Drywall Mounting
- Base Diameter: 2-1/4" wide x 3" high
- Overall Projection: 3-3/4"
Finishes: US26D

620 Magazine Size Letter Box Plate with Standard Back Plate
- 13" Wide x 3-9/16" High
- Plate Opening: 11" x 2" High

600 Sleeve
- For use with mail slots on 1-3/4in, hollow core doors
- Dimensions: Length: 11-3/8";
  Width: 2-11/16"; Depth: 1-3/4"
- Plate Opening: 11" x 2" High
- Stainless steel

FS1153
- Provides a contemporary yet economical method of positive Hold-Open
- Constructed in sturdy cast aluminum
- Spring operated plunger activates with minimal pressure, releasing instantly with a light tap on the pl-atform lever
- Provides a 1-5/8" throw for all types of doors
- Ribbed non-marring rubber shoe is securely fastened to unit with a screw and is easily replaced when worn
- Dimensions: Height: 6-1/4";
  Width: 1-1/2"; Depth: 1-7/16"
Finishes: US28

FS1154
- Plunger and internal parts are plated steel and provides a 1-1/4" throw for all types of doors
- Constructed from heavy-duty cast brass or bronze
- Plunger is easily activated with minimal pressure, releasing instantly with a light tap on the platform lever
- Round non-marring rubber shoe is securely fastened with a screw in flanged cup to prevent movement or loss. When worn, shoes are easily replaced
- Dimensions: Height: 5-1/2";
  Width: 2"; Depth: 1-1/4"
Finishes: US3, 4, B10B, B26D & B26
Door Hardware

FB31P Automatic Flush Bolts, Metal Doors, (Pair) Top & Bottom Bolt

Fully Automatic inactive door is latched, bolts are extended when active door closes, door is unlatched, bolts retract when active door is opened.

- Low actuation forces top bolt has no spring tension
- Fits standard ANSI A115.4 door frame preparations
- Nonhanded
- Bolt throw is 3/4" with a 7/8" vertical adjustment
- Bolt backset is 3/4"

Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip. (Optional rod lengths available for top bolt only on non-fire rated openings 18", 24", 36" and 48).

221 Brass Flush Pull

- 2-1/8" Bore
- Meets ANSI/BHMA A156.9 B22201 and A156.14 D2781

Inside Cup Diameter: 2-1/8" Overall Diameter: 2-7/16" Depth: 7/16"

222 Brass Flush Pull

Low profile design makes this pull ideal for louvered, bi-folding or wardrobe doors.

- 1-5/16" x 3-1/8"
- Meets ANSI/BHMA A156.9 B12201 and A156.14 D1781
- Reverse tapered grip provide for ease of pulling
- Made from cast brass

Dimensions: 3-1/8" High x 1-5/8" Wide x 7/16" Deep

223 Door Flush Pull

Low profile design makes this pull ideal for louvered, bi-folding or wardrobe doors.

- Made from wrought brass
- Dimensions: 3-9/16" High x 1-5/16" Wide x 1/2" Deep


230 Sliding Door Edge Pull

3/4" width allows installation on narrow as well as standard doors. Spring automatically returns lever flush with plate. Made from solid brass.


327 Super-Mite Heavy Duty Magnetic Catch


Dimensions: 1" W x 3-1/8" L x 3/4" D

Finishes: 92

DON-JO Latch Protectors

LP-107, LP-207, LP-107-EBF, LP-207-EBF

Latch Protector 12 gauge steel furnished with carriage bolts, washers and acorn cap nuts for safety and strength.
- 2-3/4" x 7"

Finishes: Plated: BP (brass), CP (Chrome), DU(Duro), SL (Sliver)

LP-111, LP-121, LP-111-EBF, LP-121-EBF

Latch Protector 12 gauge steel furnished with carriage bolts, washers and acorn cap nuts for safety and strength.
- Made from wrought brass
- Dimensions: 3-9/16" High x 1-5/16" Wide x 1/2" Deep

**Non-Mortise Door Edges**


**Mortise Door Edges**

Models: 300, 301, 302, 202B

**Overlapping Door Edges**

Models: 308, 309, 310, 310S, 301B, 301BS

**Features:** Door edges are sized for 1-3/4" thick wood or metal doors. Advise if your door is another thickness.

**Options:** UL fire rated listed for stainless steel, brass and bronze. For use on wood or plastic faced fire doors rated up to and including 1-1/2 hour or hollow metal, steel covered, composite type fire doors rated up to and including 3 hours.

**Material:** .050” brass, bronze, prime coated steel, stainless steel

**Finishes:** Available in standard architectural finishes

**Fasteners:** #6 x 5/8” FH SMS
Push Plates, Push Bars & Kick Plates

Push Plates
Model 70C
4" x 16"
Square

Model 70RC
4" x 16"
Rounded Corners

Push Bars
Series 47 Push Bar
Models: 47, 47-2, 47-3
Material: Aluminum, brass, bronze, stainless steel
Finishes: Available in standard architectural finishes
Mounting: Metal and wood doors
Options: Engraving “PUSH” or “PULL”

Series 47 Offset Single Bar Sets
Material: Aluminum, brass, bronze, stainless steel
Finishes: Available in standard architectural finishes
Mounting: Metal, wood, Metal & wood, glass doors

Kick Plates
Armor, Kick, Stretcher, Mop
Plates come with stainless steel Phillips type "a" sheet screws. Our standard screws are plates to match Brass, Bronze and Antique plates. All plates are furnished with grain or stain finish running horizontally on the door. When ordering plates, please specify height x length.

Brass/Bronze: 16 ga. (.050) to 24" width. Available in 14 ga. (.064) and height to 48" as specials.

Stainless Steel: 18 ga. (.038), 16 ga. (.050) and 14 ga. (.062) to 48" height. Satin finishes (US32D) plates are masked for finish protection. Plates can be applied to doors with masking intact. Pattern Stainless 5WL stocked in 18 ga. (.38).

Aluminum: 16 ga. (.050) and 14 ga. (.064) clear anodized 204R1 process for exterior use.

Finishes: Available in standard architectural finishes.

Kick Plate Sizes:
6" x 34"
8" x 34"
10" x 30"
10" x 34"
12" x 34"
Door Pulls

Model 122
with 70C push plate
Corner: .050" gauge with pull 6"
CTR Size: 3/8" x 1 1/4"

Material Size: 102: 5/8" dia, 5-1/2" CTC 105-109 3/4" dia, 5-1/2" up to 12" CTC.
Options:
• Back to back mounting in pairs
• Concealed mounting single pulls
• Advise if door thickness is other than 1-3/4"

90 Degree Offset Door Pulls
Models: BF150, BF151, BF152
Material Size: 1" dia 8 up to 18" CTC.
Options:
• Back to back mounting in pairs
• Concealed mounting single pulls
• Advise if door thickness is other than 1-3/4"

Models: 110, 111A, 111, 112, 118
Material Size: 1" dia 8 up to 18" CTC.
Options:
• Back to back mounting in pairs
• Concealed mounting single pulls
• Advise if door thickness is other than 1-3/4"

Models: BF156, BF157A, BF157, BF158, BF159
Material Size: 1" dia, 8 up to 18" CTC.
Options:
• Back to back mounting in pairs
• Concealed mounting single pulls
• Advise if door thickness is other than 1-3/4"

How to Size Push Bars
Flush Doors
Door width:
Minus 5" for bent end bards
Minus 5" for square end post mount bar
Minus 7" for round end post mount bars

Stile and Rail Doors or Doors with Lites
Door width:
Minus width on one stile
Caution: Always confirm bars will not interfere with jamb or cause pinching hazard.
Caution: On narrow stile doors be sure to push bar base fits on the stile and bar does not interfere with the stop.
# Handicap Thresholds, Saddle Fluted Tops & Sill Extensions

## Handicap Thresholds

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<td>802</td>
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</tbody>
</table>

## Additional Information

- Product numbers range from 179A to 802A, with various finishes indicated.
- Dimensions are shown for each product, indicating their specific measurements.
- The finishes include A, B, D, AV, DV, etc., which may correspond to different materials or styles.
- The products are part of the Dorbin line, as indicated by the logo at the top right.

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**Note:** The image contains diagrams and tables that illustrate the physical dimensions of each product, making it easier to understand their design and functionality. The page provides a comprehensive overview of the various thresholds and extensions available, suitable for handicapped access, saddle fluted tops, and sill extensions.
Door Sweeps

### 139AN
- 139BN
- 139DN
- 139GN

### 239AN
- 83AN
- 83BN
- 83DN
- 83GN

### 99AP
- 99DP
- 99GP

### Product # | Finish
--- | ---
139 | AN, BN, DN, GN
83 | AN, BN, DN, GN

### Product # | Size | Finish
--- | --- | ---
239 | 36" | AN
| 48" | AN

### 339AN
- 339DN

### 83AL

### 23AP
- 23DP
- 23GP

### Product # | Finish
--- | ---
99 | AP, DP, GP

### Product # | Finish
--- | ---
5AP | AP

### 6AP

### Product # | Finish
--- | ---
223AP | DP, GP

### Product # | Finish
--- | ---
223AP-36" | AP
| 223AP-48" | AP
| 223 | DP, GP

---

**Hours of Operation:** 7:30 AM Until 4:00 PM  
**Phone:** 773/286-0123 or 888/SCHUHAM
Double Door Equipment, Weatherstipping & Door Bottoms

**Double Door Equipment Weatherstripping**

<table>
<thead>
<tr>
<th>Product #</th>
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<tr>
<td>96</td>
<td>A,D,G</td>
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(shown of actual size with D116 silicone seal)

<table>
<thead>
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<table>
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</table>

Springs for adjustment, maximum

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>98</td>
<td>AS</td>
</tr>
</tbody>
</table>

**Automatic Door Bottoms**

Full Mortise & Surface type door. Bottoms are reversible (non-handed). Furnished with closed cell sponge neoprene gaskets. May be trimmed 4" from lock end only, unless bottom is under 30" in length. Max Drop 3/4". Fire Rated: Door Bottom Seals for use on wood or steel doors in up to 3 hours location.

<table>
<thead>
<tr>
<th>Product #</th>
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<tbody>
<tr>
<td>85-1A</td>
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<tr>
<td>85-1D</td>
<td>A</td>
</tr>
<tr>
<td>85-1G</td>
<td>D,G</td>
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**Door Bottoms**

<table>
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<td>44DV</td>
<td>AV</td>
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<td>44GV</td>
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<table>
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<tbody>
<tr>
<td>13AV-36&quot;</td>
<td>AV</td>
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</table>
Head & Jamb Weatherstrips
Adjustable Astragal & Drip Caps

Dorbin Finishes

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<tbody>
<tr>
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<td>B</td>
<td>Architectural Bronze</td>
</tr>
<tr>
<td>D</td>
<td>Dark Brown Anodized of Paint</td>
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<tr>
<td>E</td>
<td>EPDM - Rubber Polymer</td>
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<tr>
<td>F</td>
<td>Felt</td>
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<table>
<thead>
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<tbody>
<tr>
<td>G</td>
<td>Gold</td>
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<tr>
<td>N</td>
<td>Solid or Closed Cell Neoprene</td>
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<td>P</td>
<td>Pile</td>
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<tr>
<td>SS</td>
<td>Stainless Steel</td>
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<tr>
<td>V</td>
<td>Vinyl</td>
</tr>
<tr>
<td>Z</td>
<td>Zinc</td>
</tr>
</tbody>
</table>
Washroom Products

### B-43944 ConturaSeries®
**Recessed Paper Towel Dispenser / Waste Receptacle**

Unit equipped with TowelMate and LinerMate. Radius on corners and edges of flange, door, and waste receptacle shall complement other Bobrick ConturaSeries washroom accessories. Satin-finish stainless steel. Flush tumbler lock. Dispenses 600 C-fold or 800 multi-fold towels. Waste receptacle has 15.0-gal. (56.8-L) capacity; extends 5 1/8" (130mm) from wall. Removable front panel for easy cleaning. Rough Wall Opening: 16" W, 54 3/4" H, 4" min. depth (405 x 1390 x 100mm).

### B-4369 ConturaSeries®
**Recessed Paper Towel Dispenser/Waste Receptacle with TowelMate and LinerMate**

Unit equipped with TowelMate and LinerMate. Satin-finish stainless steel. Flush tumbler lock dispenses 350 C-fold or 475 multi-fold towels. Waste receptacle has 3.0-gal. (11.3-L) capacity; projects 2 1/2" (65mm) from wall. Removable front panel for cleaning. Wall Opening: 11 3/8" W, 26 5/8" H, 4" min. depth (290 x 675 x 100mm).

### B-43699 ConturaSeries®
**Surface-Mounted Paper Towel Dispenser/Waste Receptacle with TowelMate and LinerMate**

Satin-finish stainless steel. Tumbler lock on top of cabinet. Door swings down for loading towels. Dispenses 400 C-fold or 525 multi-fold towels. Cabinet slots indicate refill time. Unit 10 13/16" W, 13 1/4" H, 4 7/8" D (275 x 335 x 125mm).

### B-4112 ConturaSeries®
**Surface-Mounted Soap Dispenser**

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. Container is satin-finish stainless steel. Capacity: 40-fl oz (1.2-L). Soap refill window. Concealed wall fastening. Hinged filler-top requires special key to open. Vandal-resistant. Unit 7" W, 6 1/8" H (180 x 155mm); wall to push-button, 3 5/16" (85mm).

### B-4063 ConturaSeries®
**Recessed Soap Dispenser**

Dispenses all-purpose soaps. Drawn, 20-gauge (1.0mm), one-piece front, satin-finish stainless steel with vessel attached to back. Capacity: 50-fl oz (1.5-L). Pulls out for filling. Concealed locking device. Wall to push-button, 1 5/8" (40mm).

### B2111 Classic Series
**Surface-Mounted Soap Dispenser**

Vertical tank is satin-finish stainless steel. Valve dispenses all-purpose hand soaps. Capacity: 40-fl oz (1.2-L). Soap refill window. Concealed wall fastening. Hinged filler-top requires special key to open. Vandal resistant. Unit 4 3/4" W, 8 1/8" H (120 x 205mm); wall to push-button, 3 1/2" (90mm).
**Washroom Products**

**B-7188 QuietDry™ Series, TerraDry™**
ADA Surface-Mounted Hand Dryer

One-piece, aluminum die-casting with chrome finish. Uniquely designed to have a sound pressure level of 70dBA measured at 39” (1 meter) from source and a power rating of 1.0kW. 115V AC, 8.5 Amp, 50/60 Hz, 1000 Watts, Single Phase, cULus Listed. 208-240 AC, 4.0-4.4 Amp, 50/60 Hz, 1000-1900 Watts, Single Phase, cULus Listed and CE marked.

**B-7188 QuietDry™ Series, TerraDry™**
ADA Surface-Mounted Hand Dryer

In white high gloss epoxy finish.

**B7128 QuietDry™ Series, TrimDry™**
ADA Surface-Mounted Hand Dryer

Durable, 22-gauge, Type 304 satin-finish stainless steel cover with black plastic trim, automatic operation, dual air outlets. 115V AC, 15 Amp, 50/60 Hz, 1725 Watts, Single Phase, cULus Listed. 208-240 AC, 6.8-7.8 Amp, 50/60 Hz, 1400-1900 Watts, Single Phase, cULus Listed, VDE approved and CE marked.

**B7120 QuietDry™ Series, TrimDry™**
ADA Surface-Mounted Hand Dryer

White epoxy cover with black plastic trim.

**B-165 Series**
Mirror Channel –Frame

Type 430 stainless steel with bright-polished finish. Mitered corners. Frame screw permits easy replacement of glass. No. 1 quality, 1/4” (6mm) glass mirror; warranted against silver spoilage for 15 years. Galvanized steel back. Secured to concealed wall hanger with theft-resistant mounting. Available in sizes from 12”x 12” to 130” x 48”.

**B-166 1824 Series**
Channel-Framed Mirror/Shelf

Type 430 stainless steel with bright-polished finish. Mitered corners. Frame screw permits easy replacement of glass. No. 1 quality, 1/4” (6mm) glass mirror; warranted against silver spoilage for 15 years. Galvanized steel back. Type 304 satin-finish stainless steel shelf. Shelf projects 4” (100mm) with 3/8” (10mm) return on front and sides; front return edge hemmed for rigidity & safety.

**B-2888 Classic Series®**
Surface-Mounted Multi-Roll Toilet Tissue Dispenser

Satin-finish stainless steel unit with stainless steel dispensing mechanism. Door has flat face with protruding tumbler lock. Holds two rolls up to 5 1/4” (135mm) diameter (1800 sheets). Extra roll automatically drops in place when bottom roll is depleted. Theft-resistant, heavy-duty spindles. Unit 6 1/16” W, 11” H, 5 15/16” D (155 x 280 x 150mm).

**B-301 Classic Series®**
Recessed Seat-Cover Dispenser


**B-3888 Classic Series®**
Recessed Multi-Roll Toilet Tissue Dispenser

White epoxy cover with black plastic trim.
Washroom Products

B-2740 Classic Series®
Toilet Tissue Dispenser for Two Rolls

B-2730 Classic Series®
Toilet Tissue Dispenser for Two Rolls

B-265 Classic Series®
Surface-Mounted Vandal-Resistant Toilet Tissue Dispenser for Two Rolls

B-265 Classic Series®
Single Roll

B-6861
1-1/2" Diameter Two-Wall Shower Grab Bar

15-7/8" W x 30-7/8" D (40 x 78cm), 1-1/2" (38mm) dia. Constructed of 18-gauge (1.2mm), type 304 satin-finish stainless steel tubing. Concealed mounting flange 1/8" (3mm) thick, type 304 stainless steel plate, 2" W x 3 1/8" H (50 x 80mm), with screw holes for concealed anchors. Cover is 22-gauge (0.8mm), type 304 stainless steel with satin finish, 3 1/4" (85mm) diameter. Cover snaps over mounting flange to conceal screws.

B-68137
1-1/2" Diameter Two-Wall Tub/Shower Compartment Grab Bar

36" W x 54" D (91 x 137cm), 1-1/2" (38mm) dia. Constructed of 18-gauge (1.2mm), type 304 satin-finish stainless steel tubing. Concealed mounting flange 1/8" (3mm) thick, type 304 stainless steel plate, 2" W x 3 1/8" H (50 x 80mm), with screw holes for concealed anchors. Cover is 22-gauge (0.8mm), type 304 stainless steel with satin finish, 3 1/4" (85mm) diameter. Cover snaps over mounting flange to conceal screws.

B-6806
1-1/2" Diameter Straight Grab Bars with Snap Flange

18" up to 42" long x 1-1/4" (32mm) dia. tubing. Constructed of 18-gauge (1.2mm), type 304 satin-finish stainless steel tubing. Concealed mounting flange 1/8" (3mm) thick, type 304 stainless steel plate, 2" W x 3 1/8" H (50 x 80mm), with screw holes for concealed anchors. Cover is 22-gauge (0.8mm), type 304 stainless steel with satin finish, 3 1/4" (85mm) diameter. Cover snaps over mounting flange to conceal screws.

KB200-00
Horizontal, Wall-Mounted Baby Changing Station

Cream-color polypropylene cabinet and bed. Unit 35" W x 22" H (890 x 560mm). Depth (closed) 4" (100mm). Extension (open) 22 1/2" (570mm).

KB101-00
Vertical, Wall Mounted

Cream-color polyethylene cabinet and bed. Unit 22" W x 35 1/2" H (560 x 900mm). Depth (closed) 5 1/4" (135mm). Extension (open) 35" (890mm).

B-5898
1-1/4" Diameter 90 Degree Grab Bar

30" x 30" (762 x 762mm) 1 1/4" (32mm) diameter stainless steel type-304 with satin-finish. Complies with accessible design (including ADAAG in the U.S.A.) for structural strength.
Mailboxes & Accessories

9040
Vertical Mailboxes

Made with galvanized steel and extruded aluminum, these vertical style front loading mailboxes are designed for surface or recessed mounting. The mailboxes are available in units of three (3) and seven (7) compartments. Each compartment is 5" w x 15" h x 6" d and has an extruded aluminum door, five (5) pin cylinder cam lock and two (2) keys (1000 different key changes). Each door has a 2.5" w x .625" h recess to accommodate a label identifying the tenants name and/or box number. USPS approved.

5620
Key Keeper with Loose Key

Standard loose key type prepared for USPS lock.

5621
Key Keeper with Key Retractor Chain

Key keeper with key retractor and 24" chain only, prepared for USPS lock.

9341-5
Full Surface

Standard cam type lock. 5 pin tumbler cylinder, with 2 keys, can be supplied in 1,000 different key changes. State name of manufacturer to order replacement lock.

9341-5
Semi-Recessed

Mounting Frames are designed to permit mounting of standard mailbox units having 3 to 7 compartments in locations where fully recessed mounting is not practical.

Installation Chart

<table>
<thead>
<tr>
<th>Single Row Rough Wall Opening Height 15 5/16&quot;</th>
<th>Double Row Rough Wall Opening Height 13 1/8&quot;</th>
</tr>
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<tbody>
<tr>
<td>Total No. of Tenants</td>
<td>Total No. of Tenants</td>
</tr>
<tr>
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<td>6</td>
</tr>
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<td>4</td>
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Global Partitions

Alpaco Classic Collection

A marriage of simplicity and functionality creates a collection that has ASI's exclusive Ultimate Privacy at its heart. Zero sightlines, doors and pilasters that meet in a flush finish rebated closure all ensure guaranteed privacy. Style and stability have not been sacrificed in this collection, with robust octagonal head rails adding to our seamless construction. The Classic collection matches any aesthetic and performance need. Crisp design lines, bold hardware options and superior functionality make the Classic collection perfect for any high-profile setting.

Alpaco Elegance Collection

This visually appealing collection is ideal for the most aesthetically demanding applications. The signature stainless steel top rail provides structural stability and style, while the corners and door panels are perfectly rounded for a refined and elegant appearance. And the self-closing doors create a clean look throughout the bathroom even when unoccupied. Elegant hardware and adjustable pedestals seamlessly complete the look. If you are looking for strength, comfort, beauty and durability, the Elegance collection has it all.

Color-Thru Phenolic

Color-Thru Phenolic lives up to its name, with surface color through and through. This product is impact, scratch and graffiti resistant. It also has excellent screw-holding power and all the advantages of traditional Phenolic performance. Available in all styles and attractive colors.

Stainless Steel

Gleaming beauty indefinitely. The elegance of stainless steel complements any design scheme. Incorporates the known corrosion resistant benefits of type 304 stainless steel. Easily maintained, even scratches can be buffed out.

Black Core Phenolic

Holds up even under severe moisture conditions from showers, pools and saunas, or when maintenance includes hosing down toilet partitions. Ideal for where vandalism is a problem. In a full color spectrum—all with black edges. Available in all styles.

Plastic Laminate Moisture Guard

Introducing the new Plastic Laminate Partitions with Moisture Guard™ Edge Banding. Our Moisture Guard™ Edge Banding fuses with the substrate creating a seamless beveled profile that eliminates any unsightly black lines that appear in standard Plastic Laminate.
Global Partitions

Solid Plastic (HDPE)

Highly resistant to common cleaning agents as well as to moisture, mildew and graffiti. Ideal choice for busy public facilities and high humidity application—never needs painting and will not easily dent, rust or delaminate. Available in a wide variety of colors and mounting styles. Floor Anchored/Overhead Braced, Ceiling Hung and Floor and Ceiling Anchored styles.

Alpaco Kids Collection

Our child friendly partitions are engineered to offer the best and safest features. Door and panel heights are sized to be more appropriate for children, and doors are finished at the top in a semi-circle for a playful look and feel. For safety, doors have only fixed knobs, so caretakers have access to the partitions. And with the ability to design our child friendly partitions to look like just about anything, the kids model is a playful expression of our possibilities. For your most precious treasures, count on this reliable partitions system.

ASI Global Partition

Replacement Hardware

Panels
Metal Parts & Plastic Laminate Parts

Doors
Powder coated & Stainless Steel

Pilasters
Metal Parts & Plastic Laminate Parts

Urnal Screens
Powder coated & Stainless Steel

Headrails, Showers & Misc Items

Highly resistant to common cleaning agents as well as to moisture, mildew and graffiti. Ideal choice for busy public facilities and high humidity application—never needs painting and will not easily dent, rust or delaminate. Available in a wide variety of colors and mounting styles. Floor Anchored/Overhead Braced, Ceiling Hung and Floor and Ceiling Anchored styles.

Powder Coated Steel

High-tech quality at an economical price. Thermoset hybrid powder finish on galvannealed steel is highly resistant to corrosion, grease, acids, caustics, mars and stains. A broad range of contemporary colors to complement any interior. Available in all styles.

High-tech quality at an economical price. Thermoset hybrid powder finish on galvannealed steel is highly resistant to corrosion, grease, acids, caustics, mars and stains. A broad range of contemporary colors to complement any interior. Available in all styles.
Swinging Door Hardware

200SD For 1-3/8" -1-3/4" panels up to 300 lbs.
A deluxe commercial grade hardware. Heavy-duty extruded aluminum I-beam track, four wheels ball bearing hangers with machine turned 1” wheels and heavy duty guides. .125 6063T6 Alum track, 11-13 gauge steel parts.

134F, 138F Series For 1-3/8” -1-3/4” panels up to 125 lbs.
Line design fascia hides scratches and holds paint. Tricycle hangers with machine turned 1” wheels ride on a convex rail. Ball bearing hangers available for 200 lb doors. .055 6063T6 Alum. Track, 14-18 gauge steel parts.

2200F For 1-3/8” panels up to 75lbs.

2200 For 3/4” - 1/3’8” panels up to 50 lbs.
Aluminum track, convex rail design, 7/8” dia. Machines turned wheels. Hangers reverse for 3/4” doors. Twin wheel hanger for 75lb door are available. .052 6063T6 Alum track, 13-18 gauge steel parts.
Folding Door Hardware

For 1-3/8” - 1-3/4” panels up to 125 lbs.
A deluxe bi-fold hardware for 12”-48” panels up to 9/0 high. Top hung, heavy-duty i-beam track, for wheels (1” dia.) ball bearing hangers, heavy duty bottom pivots sets. .125 6063T6 Alum. Track, 11-13 gauge steel parts.

For 1-3/8” - 1-3/4” panels up to 75 lbs.
An excellent bi-fold hardware for 12”-24” panels up to 9/0 high. Convex rail track, top hung, three wheels (1” dia) ball bearing hangers, non-mortise lift off hinges. .055 6063T6 Alum. Track, 14-16 gauge steel parts.

For 1-1/8” - 1-3/4” panels up to 50 lbs.
A superior light commercial bi-fold door hardware for 12”-24” panels up to 9/0 high. Convex rail track, top hung, three wheels (3/4” dia) hangers, self locating “breathing” hinges. .052 6063T6 Alum. Track, 14-16 gauge steel parts.

For 1-1/8” - 1-3/4” panels up to 40 lbs.
A deluxe residential bi-fold hardware for 12”-24” panels up to 9/0 high. Top hung, surface mounted pivots, positive pivot lock, heavy gauge painted steel track, “breathing” hinges. 22 gauge steel track, 14-16 gauge steel parts.
Multi-Fold Door Hardware

100RD For 1-3/8" -1-3/4" panels up to 60lbs.

An excellent surface mount hardware for 9"-24" panels up to 9/0 high, maximum 6 doors one way. Track lengths to 192", available with bottom track for extra rigidity. .055 6063T6 Alum. Track, 14-16 gauge steel parts.

1740 For 3/4" shutters up to 20lbs.

Top hung surface mounted hardware designed for light shutter panels 6" to 18" wide, maximum 6 doors one way. Track lengths to 192". .052 6063T6 Alum. Track, 14-18 gauge steel parts.

200RD For 1-3/8" -1-3/4" panels up to 75lbs.

A deluxe top hung hardware for 12"-36" panels up to 9/0 high, maximum 6 doors one way. Track lengths to 192", available with optional bottom track for extra rigidity. .125 6063T6 Alum. Track, 11-13 gauge steel parts.
**Sliding & Folding Door Hardware**

**Sliding Door Tracks with Convex Rails.**
Aluminum track has etched “line-design” to hide scratches and hold paint.

**Sliding Door Hangers**
Machine turned and balanced nylon wheels for smooth reliable rolling action.

**Nylon Guide Posts**
Adjust to allow slightly warped doors to move easily. Carpet riser prevents carpet cutting.

**Hinges**
A variety of uniquely functioning hinges for folding doors. No mortising is necessary.

**Door Jamb Brackets**
Unique folding door jamb bracket attaches to jamb, allowing flexibility in floor covering materials.
Pocket Door Hardware

200 PD For 1-1/8" or larger panel up to 300 lbs.
A deluxe commercial grade hardware. Heavy duty extruded aluminum I-beam track, for wheels ball bearing hangers with machine turned 1" wheels. .125 6063T6 Alum. Track, 11-13 gauge steel parts.

100PD For 1-3/8" -1-3/4" panels up to 125 lbs.
Trouble-free tricycle hangers with machine turned 1" wheels ride on jump proof convex rails. Ball bearing hangers available for 200 lbs door. .055 6063T6 Alum. Track, 14-16 gauge steel parts.

2610F Series For 1-3/8" -1-3/4" panels up to 125 lbs.

2800F For 1-3/9" -1/34" panels up to 75 lbs.
Space-saving, header mounted “Open Pocket Door” hardware set. Includes twin wheel ball bearing hangers rolling on a convex rail track. .055 6063T6 Alum. Track, 14-18 gauge steel parts.
Pocket Door Hardware

1521-BLK 1-3/8" Pocket Door Lock Set
Tube Latch Pocket Door Lock Set for 1-3/8" pre-bored doors. Doors lock and unlock at a finger’s touch, with emergency release and non-handed. Standard 2-3/8" backset, 2-1/9" bore and 15/16” end bore. Three finishes. Type 512 Nylon, 13-14 gauge steel parts.

Tricycle Hangers with 1” Machine
Turned wheels for box track. Top mounted hanger plate commercial grade compatible with the 100 series track only.

100PDSC Series Soft-Close Pocket Door Part Set
Use this part set in combination with 1060 Soft-Close Kits and 100 Series Track to create custom 100 Series hardware sets.

1555PPK3 Pocket Door & Frame Converging Door Kit
Use this part set in combination with 1060 Soft-Close Kits and 100 Series Track to create custom 100 Series hardware sets.
The 1500 Series Standard-Duty Pocket Door Frame is designed to carry heavy standard size doors (up to 125lbs each) in standard 2 x 4 timber or steel framed stud walls. The 1500 frame kit is packaged for easy transport and fast installation for either single door or converging door applications. The 1500 is a versatile frame and can be adapted for use in non standard wall thicknesses, block masonry walls and can be cut down to accept any smaller size door size.

For 1-3/8" - 1-3/4" panels up to 125 lbs. Ball bearing hangers available for 200 lbs doors. Standard packaged frames for 2/0, 2/4, 2/6, 2/8 and 3/0 wide by 6/8 and 7/0 high doors. Special up to 5/0 x 9/0 available. .55 6063T6 Alum. Track, 14-18 gauge steel parts.

Precision Extruded box track designed to prevent hanger wheels from jumping track. Hanger wheels ride on convex track rails for smooth non-binding feather touch operations. In the unlikely event that track must be removed, keyhole slots allow 100 series track to be removed from the frame without tearing walls apart.

Heavy-gauge galvanized steel wrapped Split Studs resist rust in damp locations and provide a rigid pocket structure. Drywall is fastened to split studs using standard drywall screws, steel wrapping prevents screw penetration into pockets.

Self adjusting split stud floor brackets compensate automatically for floor or wall movement. Floor bracketed fingers slide into split stud grooves and allow the pocket structure to float minimizing wall warpage or door binding problems.
Glossary Of Terms

Closer Terms

Floor Closer: A door closer that is mounted in the floor. A floor closer not only closes the door but also hangs it. Standard floor closers come complete with top pivot. Side jamb pivots need to be ordered separately.

Cement Case: Plastic or cast iron case that is set into the finished floor. The closer is then fastened to the case, allowing the closer to be removed easily from the floor.

Single Acting: Doors that swing in one direction. All offset hung closers are single acting. Center hung closers may be single acting as well.

Double Acting: Double acting doors swing in both directions. Double acting closers are self centering and center hung.

Offset Hung: 3/4" offset closers locate the pivot point 3/4" from the heel edge of the door and 3/4" from the face of door. 1-1/2" offset closers locate the pivot point 3/4" from the heel edge of the door and 1-1/2" from the face of the door. This permits an applied panel of up to 3/4" to be added to the door.

Center Hung: Center hung closers locate the pivot in the center of the door opening and require a frame applied stop at 0 degree in single acting application.

Determining Door Hand: Stand with your back to the hinge end of the door. Hand of door will be determined by which of your hands the door swings to.

Degree of Opening: Maximum opening that a door is allowed to open. Floor closers openings range from 85° to 105° in 5° increments.

Dead Stop: A positive stop built in the closer prevents the door from going beyond the desired degree of opening.

Closing/Latch Speed: The cycle of closing from 90 degrees to 10 degrees from closing position. This cycle is controlled by valve to speed up or slow down the closing of the door.

Cold Weather Fluid: Special cold weather closer fluid used in extreme cold to prevent the closer from freezing.

Sealed Closer: Closer sealed in cement case preventing debris from getting in between the closer body and cement case.

Lead Lined: Lead lined closers can handle extremely heavy door loads. Heavy Duty: Heavy duty floor closers are designed for use on heavy doors or doors subject to heavy use and abuse. L series closers have an arm and top pivot with a specials screw pattern to span the lead lining on a door with lead mounted in middle. If lead is mounted else where in door, consult with us before ordering.

Extended Spindle: Certain floor conditions may require that the spindle of the closer be longer than standard. Spindles may be increased in size by 1/2" increments up to 2" max.
## Business Contact Information

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## Agreement

1. All invoices are to be paid 30 days from the date of the invoice.
2. Claims arising from invoices must be made within seven working days.
3. By submitting this application, you authorize Schuham Builder's Supply Co., Inc. to make inquiries into the banking and business/trade references that you have supplied.

## Signatures

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The materials listed on the Invoice are sold subject to the following terms unless otherwise agreed to in writing by Schuham Builder’s Supply Company, Inc. (Seller).

1. CONDITION OF DELIVERY. Shipping/Delivery will be paid for by the buyer in the amount agreed upon by the seller at the time of purchase. Buyer shall have an agent on the job site to sign receipt for all materials. In case of agent’s absence, Schuham may, if its option delivers the same, and the driver’s signature and statement in writing as to articles so delivered shall be conclusive proof of delivery as to the price, time and articles listed thereon. The articles when delivered and receipted for, as above shall become the sole responsibility of Buyer thereafter. Acceptance of any delivery of material shall constitute a waiver of any claim arising as the result of said delay.

2. SHORTAGES OF MISMANUFACTURE. Incidents of mismanufacture or material shortage must be reported Schuham Builder’s Supply verbally within 48 hours of delivery and confirmed in writing within 10 (ten) days of delivery. If the condition of the mismanufactured item is not apparent, then said report should be made within 48 hours of discovery. Schuham Builder’s Supply shall be afforded the right to inspect and adjust said items within a reasonable time after written notice is received. Failure to give said notice confirmation and opportunity to inspect shall constitute a waiver of all claims.

3. DELIVERY DATES. Schuham Builder’s Supply shall have the right to schedule and reschedule all delivery dates in accordance with all its customer’s requirements while using its best efforts to meet the needs of Buyers.

4. MATERIAL RETURNED. Unless due to Schuham Builder’s Supply’s error, no material is to be returned or credit allowed without Schuham’s prior authorization. Authorized returns, sellable condition, are credited at invoice price less 35%, and sale of non-stock items are final.

5. RIGHTS OF MECHANIC’S LIEN. Buyer, as an inducement to Schuham Builder’s Supply to sell and delivery the items agreed upon, hereby expressly represents to Schuham that Buyer has not done, and will not do either directly or indirectly, anything whatsoever which has, or will have, the effect of releasing waiving, or surrendering the Mechanic’s Lien rights of Schuham to Buyers, as the property to be improved. No waivers or lien for materials shall be required of Schuham until the same shall have been fully paid for.

6. PAYMENT DEFAULT. All invoices are due and payable upon terms of invoice. In case Buyer becomes, or is, insolvent, bankrupt, or any proceeding materially affecting his business or property is instituted against Buyer, or Buyer fails to pay Schuham invoices when due. Schuham Builder’s Supply shall, at its option, be free to curtail or discontinue its deliveries for so long as such condition shall continue.

7. DAMAGES. Without limiting the generality of the foregoing Schuham Builder’s Supply shall not be liable to Buyer for any loss of prospective profits or for any collateral damages incurred because of any late, or nondelivery, or any defect in the materials listed or ordered. (No back charges are honored.)

I agree to the above terms:

_________________________  ___________________________  ___________________________
Signature                      Title                        Date

_________________________
Printed name
Since 1926, Schuham Builder’s Supply has been a family owned business. Our goal is to provide our customers with a wide range of architectural hardware, hollow metal and superior customer service. We specialize in custom hollow metal doors and frames and are a licensed UL labeling shop. Our sales personnel are familiar with building, fire and handicap codes. They are also knowledgeable in accessibility standards and blueprint reading. Our computerized Order Entry system allows us to process your orders quickly and efficiently.

Let us know how we can assist you!
Call us today at 888-SCHUHAM (888-724-8426) or 773-286-0123
Business Hours: Monday - Friday, 7:30 a.m. - 4:00 p.m.