



Schuham Builder's Supply Co., Inc.

Established 1926



Large Inventory • Precise Accuracy • Superior Custom Service

Mowimy Po Polsku • Vorbim Limba Romana • Se Habla Español • 한국 말 합 니 다.

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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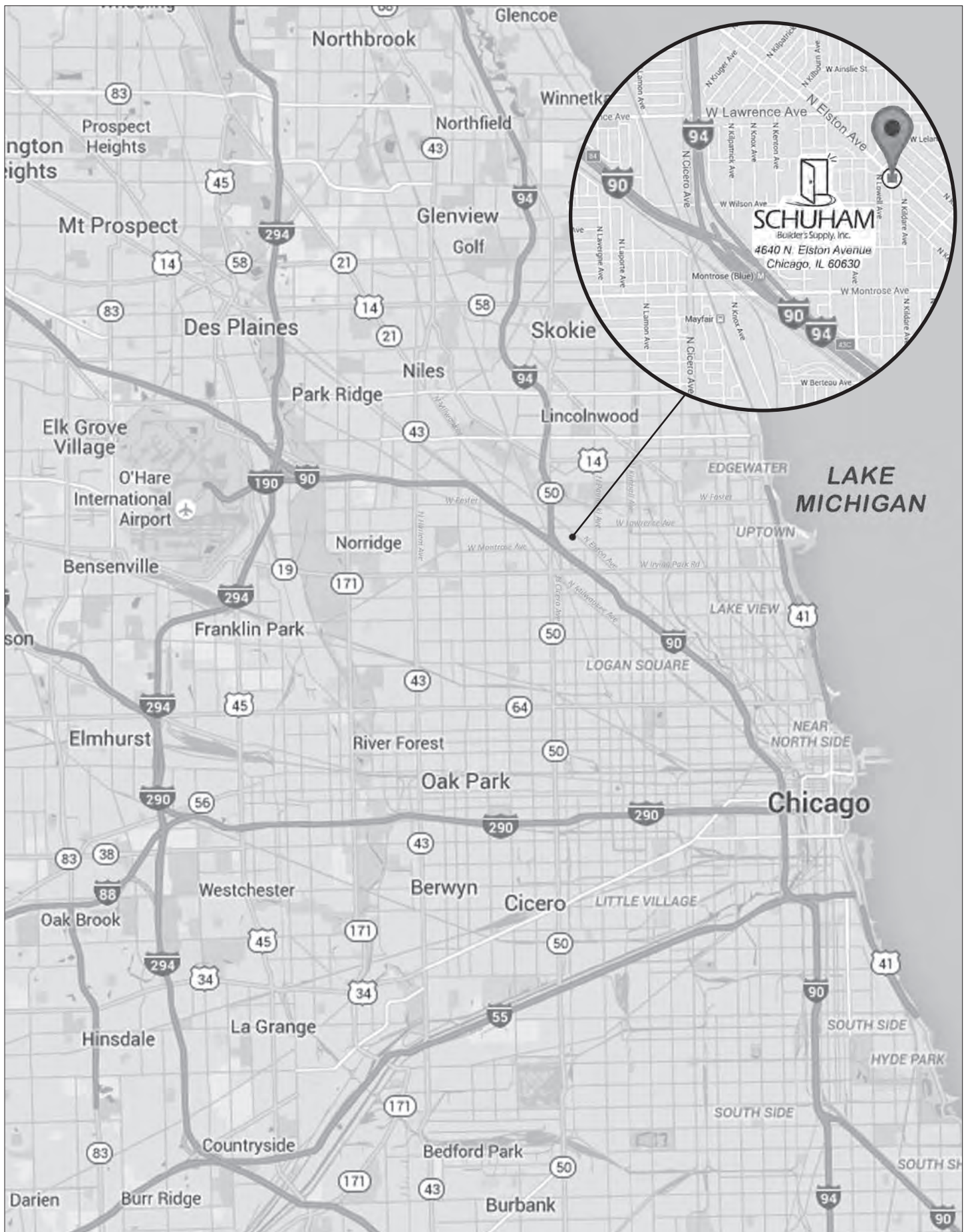
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SCHUHAM BUILDER'S SUPPLY COMPANY, INC.





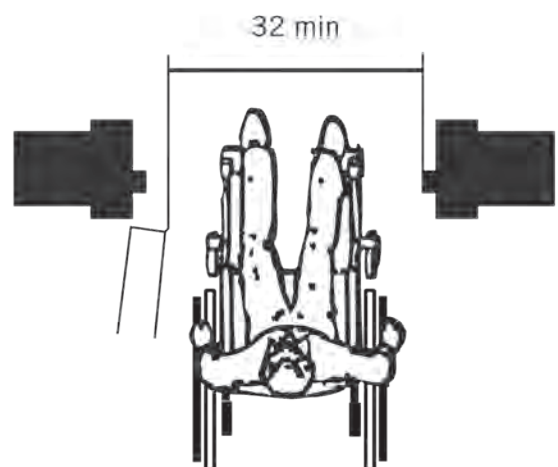
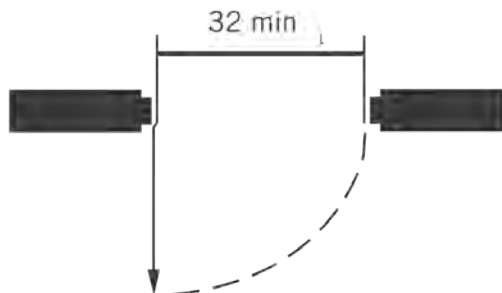
ADA Compliance Guide

A Checklist for your Building

Meeting the Title III Provisions of the Americans with Disabilities Act: Public Accommodations and Commercial Facilities

ELEMENT 10: DOORS

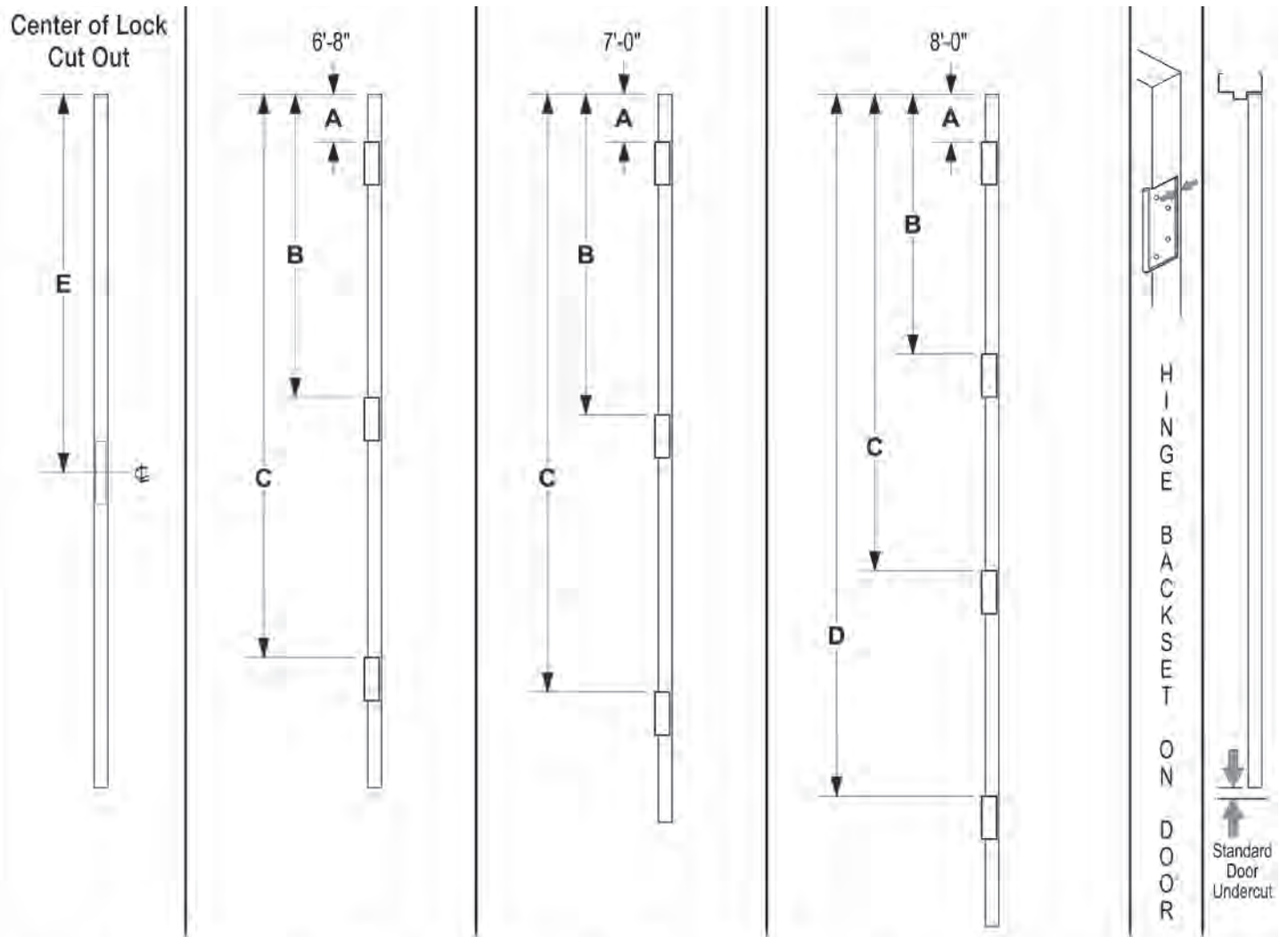
ADAAG SEC.	ITEM	TECHNICAL REQUIREMENTS
4.1.3(7)(C)	Where Applicable	Each door that is an element of an accessible route shall comply with this section.
4.13.5 4.3.3 4.1.6(3)(d)(i)	Clear Width	Doorways shall provide a clear opening of 32" minimum, with the door open 90°. Clear opening shall be measured 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.
4.138	Door Hardware	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.



Hollow Metal Doors

Standard Door Comparison for 1 $\frac{3}{4}$ " Door

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

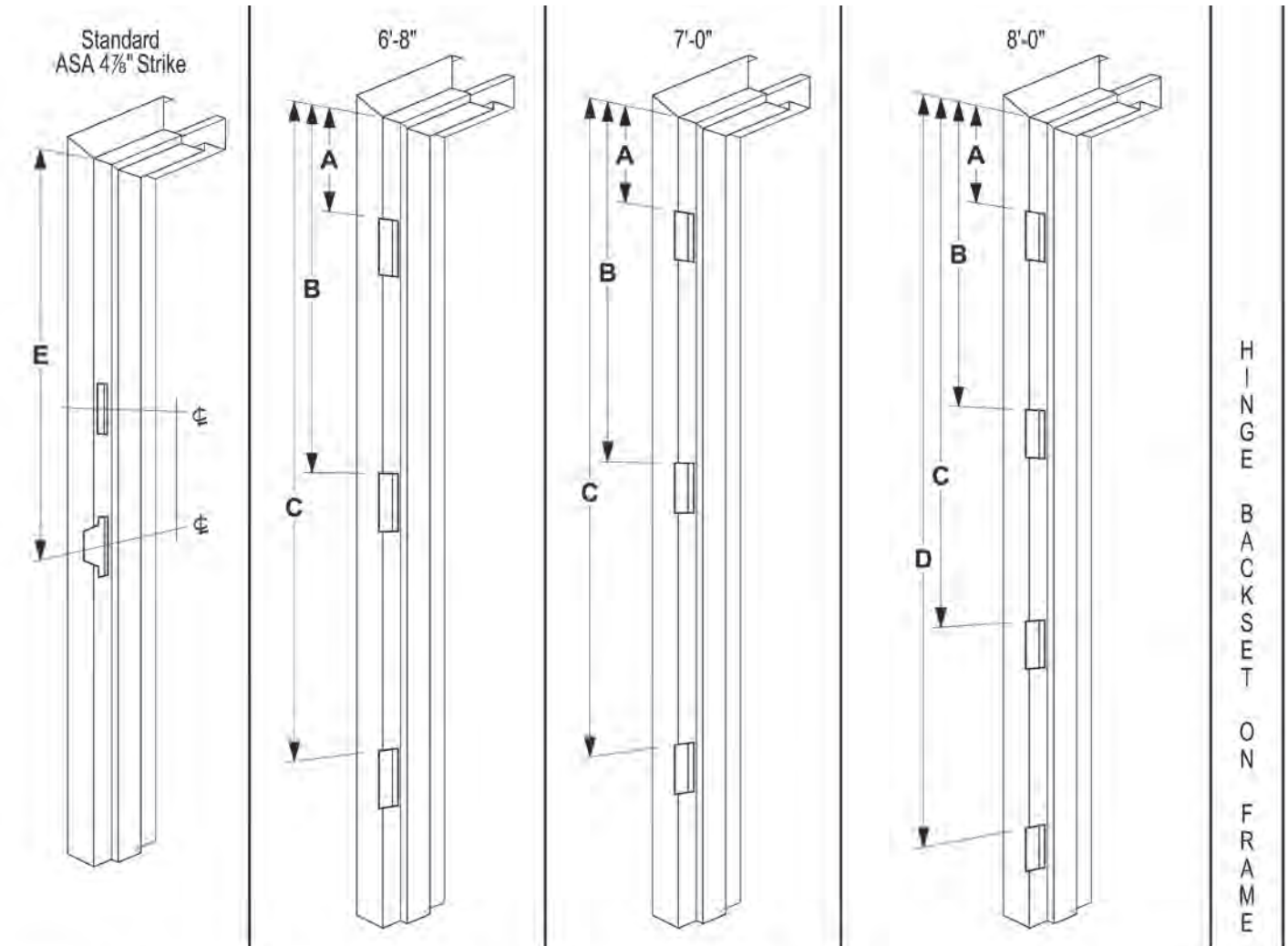


Manufacturer	A	B	C	E	A	B	C	E	A	B	C	D	E	1 $\frac{3}{8}$ " DR	1 $\frac{3}{4}$ " DR	1 $\frac{3}{8}$ " DR	1 $\frac{3}{4}$ " DR
Amweld	7 $\frac{3}{8}$ "	37 $\frac{5}{16}$ "	67 $\frac{1}{4}$ "	39 $\frac{9}{16}$ "	7 $\frac{3}{8}$ "	39 $\frac{5}{16}$ "	71 $\frac{1}{4}$ "	43 $\frac{9}{16}$ "	7 $\frac{3}{8}$ "	32 $\frac{11}{16}$ "	58"	83 $\frac{5}{16}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "	3 $\frac{1}{16}$ "	3 $\frac{3}{4}$ "	
Ceco	6 $\frac{5}{8}$ "	37 $\frac{5}{8}$ "	68 $\frac{5}{8}$ "	38 $\frac{1}{16}$ "	6 $\frac{5}{8}$ "	39 $\frac{5}{8}$ "	72 $\frac{5}{8}$ "	42 $\frac{1}{16}$ "	6 $\frac{5}{8}$ "	32 $\frac{5}{8}$ "	58 $\frac{5}{8}$ "	84 $\frac{5}{8}$ "	54 $\frac{1}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	
CURRIES	4 $\frac{7}{8}$ "	35 $\frac{1}{8}$ "	65 $\frac{3}{8}$ "	39 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	37 $\frac{1}{8}$ "	69 $\frac{3}{8}$ "	43 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	30 $\frac{3}{8}$ "	55 $\frac{7}{8}$ "	81 $\frac{3}{8}$ "	55 $\frac{7}{8}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "
Fenestra	5 $\frac{1}{8}$ "	35 $\frac{1}{8}$ "	65 $\frac{1}{8}$ "	39 $\frac{9}{16}$ "	5 $\frac{1}{8}$ "	37 $\frac{1}{8}$ "	69 $\frac{1}{8}$ "	43 $\frac{9}{16}$ "	5 $\frac{1}{8}$ "	30 $\frac{1}{2}$ "	55 $\frac{13}{16}$ "	81 $\frac{1}{8}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	
Kewanee	7 $\frac{1}{4}$ "	37 $\frac{5}{16}$ "	67 $\frac{3}{8}$ "	39 $\frac{9}{16}$ "	7 $\frac{1}{4}$ "	39 $\frac{5}{16}$ "	71 $\frac{3}{8}$ "	43 $\frac{9}{16}$ "	7 $\frac{1}{4}$ "	32 $\frac{5}{8}$ "	58"	83 $\frac{3}{8}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	
Mesker	4 $\frac{7}{8}$ "	35 $\frac{1}{8}$ "	65 $\frac{3}{8}$ "	39 $\frac{9}{16}$ "	4 $\frac{7}{8}$ "	37 $\frac{1}{8}$ "	69 $\frac{3}{8}$ "	43 $\frac{9}{16}$ "	4 $\frac{7}{8}$ "	30 $\frac{3}{8}$ "	55 $\frac{7}{8}$ "	81 $\frac{3}{8}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	
Pioneer	4 $\frac{7}{8}$ "	35 $\frac{1}{8}$ "	65 $\frac{3}{8}$ "	41 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	37 $\frac{1}{8}$ "	69 $\frac{3}{8}$ "	45 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	30 $\frac{3}{8}$ "	55 $\frac{7}{8}$ "	81 $\frac{3}{8}$ "	57 $\frac{7}{8}$ "	7 $\frac{3}{32}$ "		5 $\frac{5}{8}$ "	
Republic	7 $\frac{3}{8}$ "	37 $\frac{5}{16}$ "	67 $\frac{1}{4}$ "	39 $\frac{9}{16}$ "	9 $\frac{3}{8}$ "	39 $\frac{5}{16}$ "	69 $\frac{1}{4}$ "	43 $\frac{9}{16}$ "	4 $\frac{7}{8}$ "	30 $\frac{3}{8}$ "	55 $\frac{7}{8}$ "	81 $\frac{3}{8}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	
Steelcraft	7 $\frac{3}{8}$ "	37 $\frac{5}{16}$ "	67 $\frac{1}{4}$ "	39 $\frac{9}{16}$ "	7 $\frac{3}{8}$ "	39 $\frac{5}{16}$ "	71 $\frac{1}{4}$ "	43 $\frac{9}{16}$ "	7 $\frac{3}{8}$ "	32 $\frac{21}{32}$ "	57 $\frac{15}{16}$ "	83 $\frac{1}{4}$ "	55 $\frac{9}{16}$ "	1 $\frac{1}{4}$ "		3 $\frac{3}{4}$ "	

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.



Manufacturer	A	B	C	E	A	B	C	E	A	B	C	D	E	
Amweld	7 $\frac{1}{2}$ "	37 $\frac{7}{16}$ "	67 $\frac{3}{8}$ "	39 $\frac{11}{16}$ "	7 $\frac{1}{2}$ "	39 $\frac{7}{16}$ "	71 $\frac{3}{8}$ "	43 $\frac{11}{16}$ "	7 $\frac{1}{2}$ "	32 $\frac{13}{16}$ "	58 $\frac{1}{8}$ "	83 $\frac{7}{16}$ "	55 $\frac{11}{16}$ "	9 $\frac{3}{32}$ "
Ceco	6 $\frac{3}{4}$ "	37 $\frac{3}{4}$ "	68 $\frac{3}{4}$ "	38 $\frac{3}{16}$ "	6 $\frac{3}{4}$ "	39 $\frac{3}{4}$ "	72 $\frac{3}{4}$ "	42 $\frac{3}{16}$ "	6 $\frac{3}{4}$ "	32 $\frac{3}{4}$ "	58 $\frac{3}{4}$ "	84 $\frac{3}{4}$ "	54 $\frac{3}{16}$ "	1 $\frac{1}{32}$ "
CURRIES	5"	35 $\frac{1}{4}$ "	65 $\frac{1}{2}$ "	40"	5"	37 $\frac{1}{4}$ "	69 $\frac{1}{2}$ "	44"	5"	30 $\frac{1}{2}$ "	56"	81 $\frac{1}{2}$ "	56"	1 $\frac{1}{32}$ "
Fenestra	5 $\frac{1}{4}$ "	35 $\frac{1}{4}$ "	65 $\frac{1}{4}$ "	39 $\frac{11}{16}$ "	5 $\frac{1}{4}$ "	37 $\frac{1}{4}$ "	69 $\frac{1}{4}$ "	43 $\frac{11}{16}$ "	5 $\frac{1}{4}$ "	30 $\frac{5}{8}$ "	55 $\frac{15}{16}$ "	81 $\frac{1}{4}$ "	55 $\frac{11}{16}$ "	1 $\frac{1}{32}$ "
Kewanee	7 $\frac{3}{8}$ "	37 $\frac{7}{16}$ "	67 $\frac{1}{2}$ "	39 $\frac{11}{16}$ "	7 $\frac{3}{8}$ "	39 $\frac{7}{16}$ "	71 $\frac{1}{2}$ "	43 $\frac{11}{16}$ "	7 $\frac{3}{8}$ "	32 $\frac{3}{4}$ "	58 $\frac{1}{8}$ "	83 $\frac{1}{2}$ "	55 $\frac{11}{16}$ "	1 $\frac{1}{32}$ "
Mesker	5"	35 $\frac{1}{4}$ "	65 $\frac{1}{2}$ "	39 $\frac{11}{16}$ "	5"	37 $\frac{1}{4}$ "	69 $\frac{1}{2}$ "	43 $\frac{11}{16}$ "	5"	30 $\frac{1}{2}$ "	56"	81 $\frac{1}{2}$ "	55 $\frac{11}{16}$ "	1 $\frac{1}{32}$ "
Pioneer	5"	35 $\frac{1}{4}$ "	65 $\frac{1}{2}$ "	42"	5"	37 $\frac{1}{4}$ "	69 $\frac{1}{2}$ "	46"	5"	30 $\frac{1}{2}$ "	56"	81 $\frac{1}{2}$ "	58"	1 $\frac{1}{32}$ "
Republic	7 $\frac{1}{2}$ "	37 $\frac{7}{16}$ "	67 $\frac{3}{8}$ "	39 $\frac{11}{16}$ "	9 $\frac{1}{2}$ "	39 $\frac{7}{16}$ "	69 $\frac{3}{8}$ "	43 $\frac{11}{16}$ "	5"	30 $\frac{1}{2}$ "	56"	81 $\frac{1}{2}$ "	55 $\frac{11}{16}$ "	1 $\frac{1}{32}$ "
Steelcraft	7 $\frac{1}{2}$ "	37 $\frac{7}{16}$ "	67 $\frac{3}{8}$ "	39 $\frac{11}{16}$ "	7 $\frac{1}{2}$ "	39 $\frac{7}{16}$ "	71 $\frac{3}{8}$ "	43 $\frac{11}{16}$ "	7 $\frac{1}{2}$ "	32 $\frac{25}{32}$ "	58 $\frac{1}{16}$ "	83 $\frac{3}{8}$ "	55 $\frac{11}{16}$ "	1 $\frac{1}{32}$ "

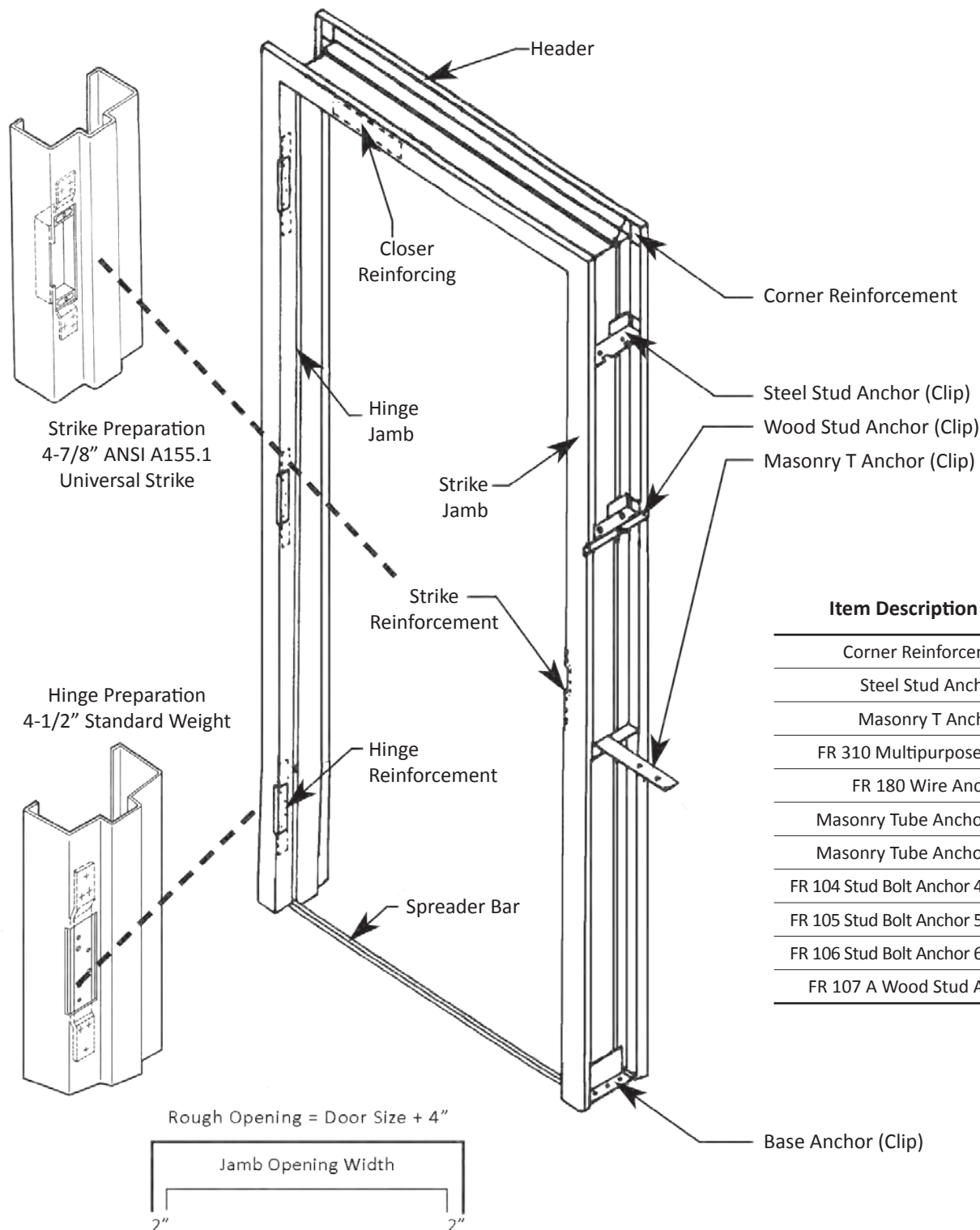
Hollow Metal Frames

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.

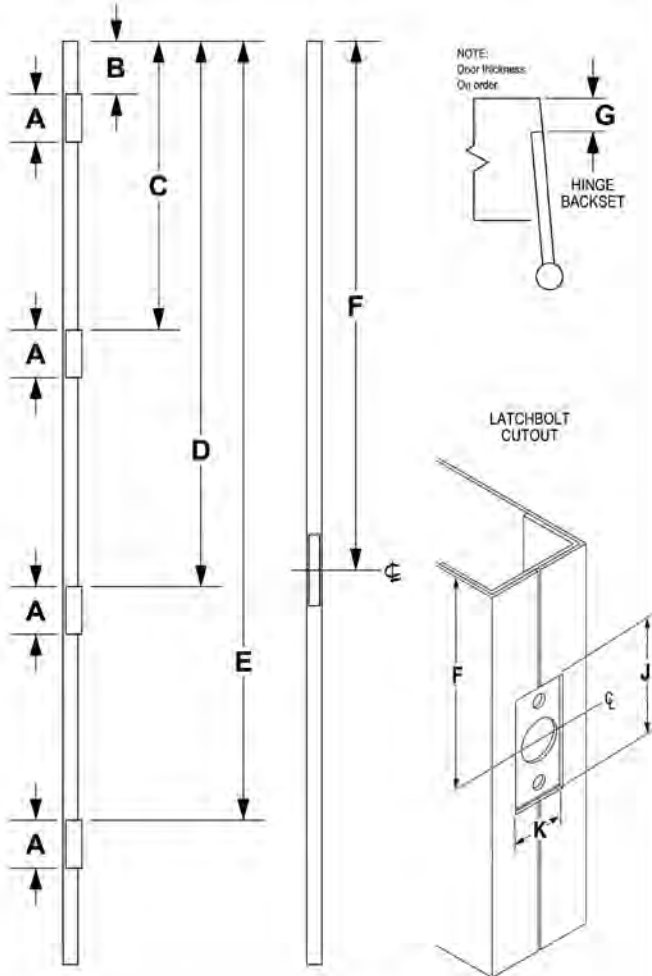


Item Description / Size

Corner Reinforcement
Steel Stud Anchor
Masonry T Anchor
FR 310 Multipurpose Anchor
FR 180 Wire Anchor
Masonry Tube Anchor 5-3/4"
Masonry Tube Anchor 8-3/4"
FR 104 Stud Bolt Anchor 4" x 3/8" dia.
FR 105 Stud Bolt Anchor 5" x 3/8" dia.
FR 106 Stud Bolt Anchor 6" x 3/8" dia.
FR 107 A Wood Stud Anchor 5"

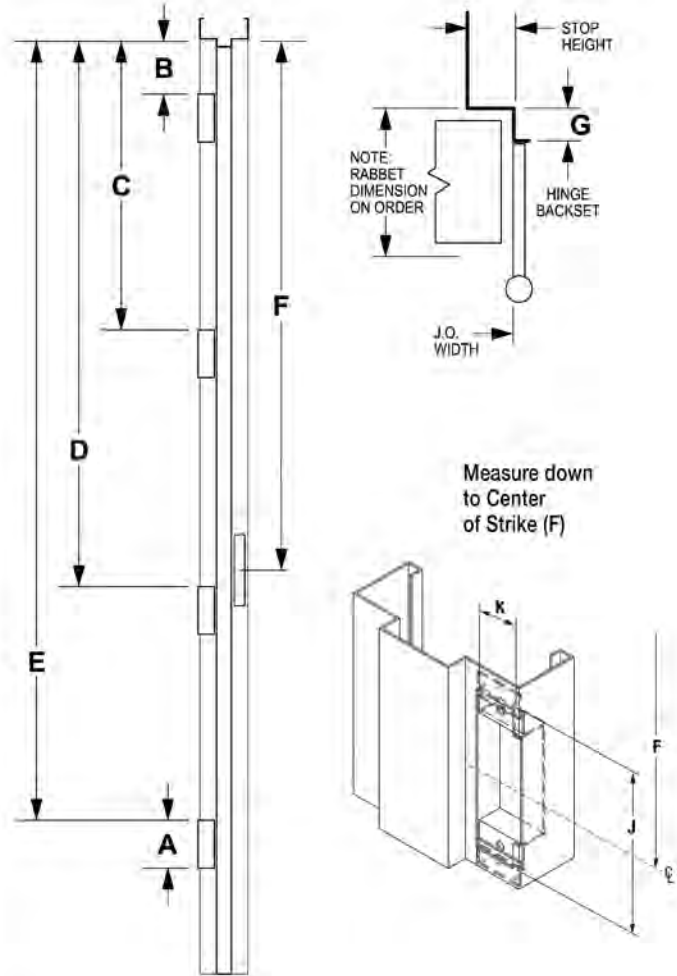
Chart for Measuring Hollow Metal

Measuring an Existing Door



Tag No.	Net Door Wd.	Net Door Ht.	A (Hinge Size)	B	C	D (If used)	E	F Center Line	G	Hand of Door	Door Thickness	J	K

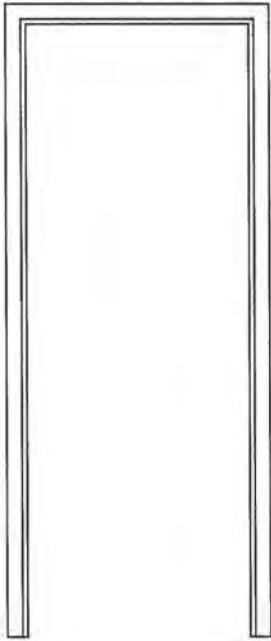
Measuring an Existing Frame



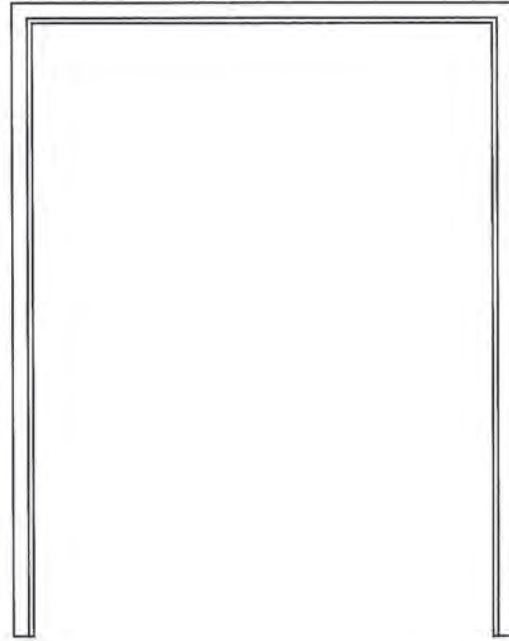
Tag No.	Jamb Depth	Jamb Wd.	Jamb Ht.	A	B	C	D (If used)	E	F Center Line	G	Hand of Door	Door Thickness	J	K

Hollow Metal Frames

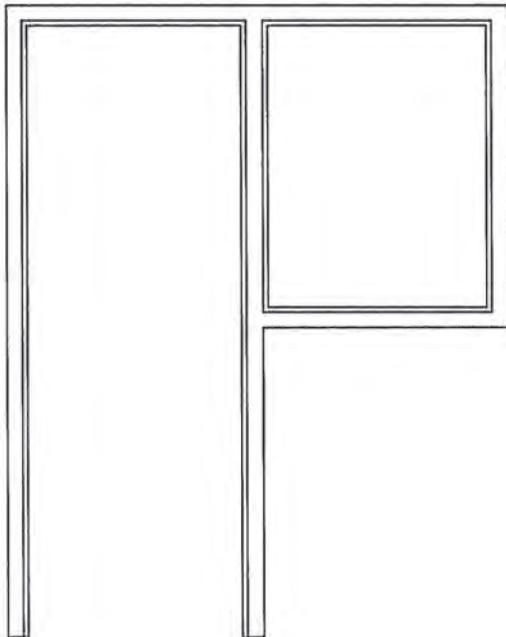
Schuham Builder's Supply will build to fit any dimensions. Call for a drawing and quote.



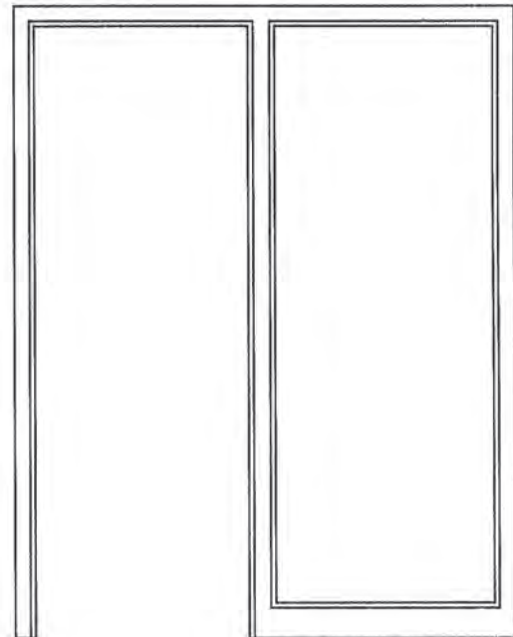
SINGLE FRAME



PAIRED FRAME

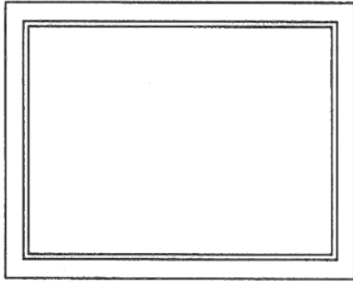


FRAME W/ ATTACHED BORROWED LITE

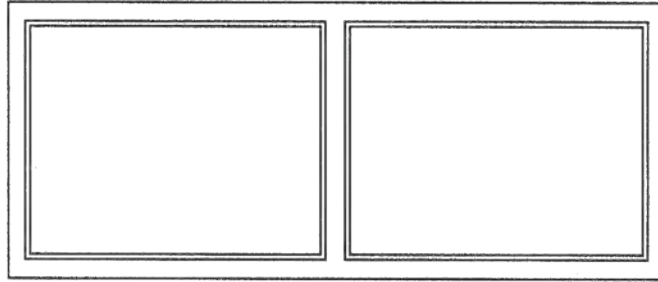


SIDE LITE FRAME

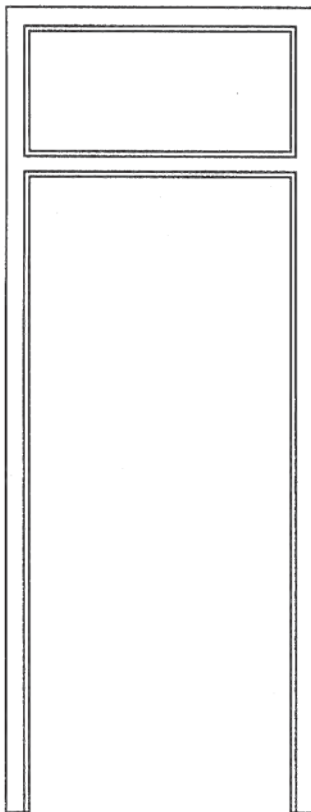
Hollow Metal Frames



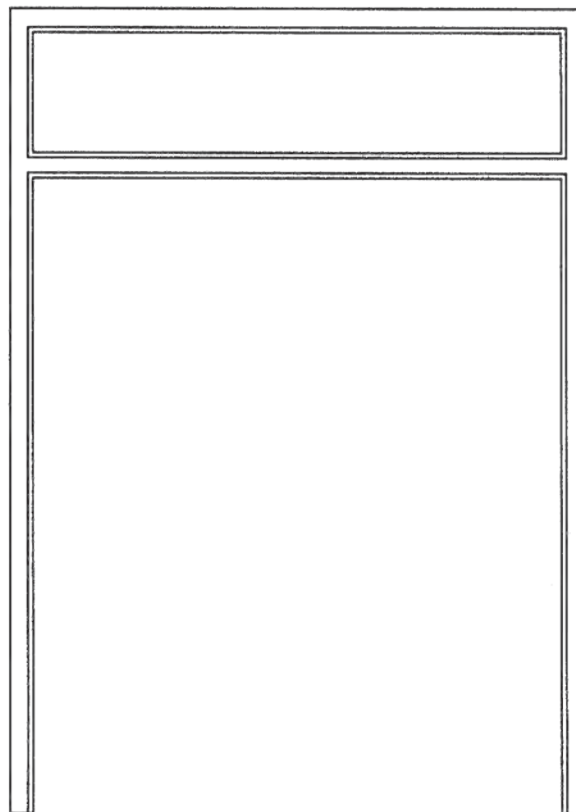
BORROWED LITE FRAME



BORROWED LITE FRAME - MULTIPLE LITES



TRANSOM FRAME

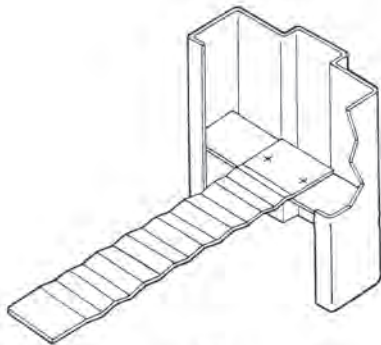


TRANSOM FRAME FOR PAIR OF DOORS

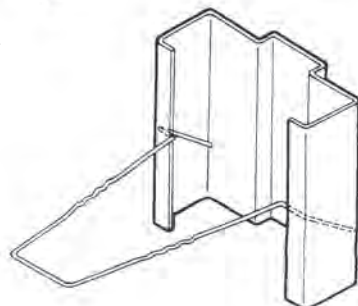
Hollow Metal Frame Anchors

Masonry Wall Anchors

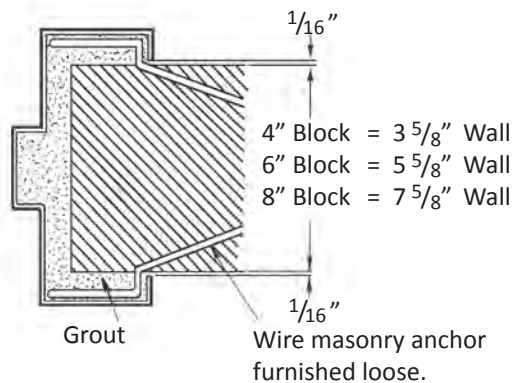
Masonry T Anchor



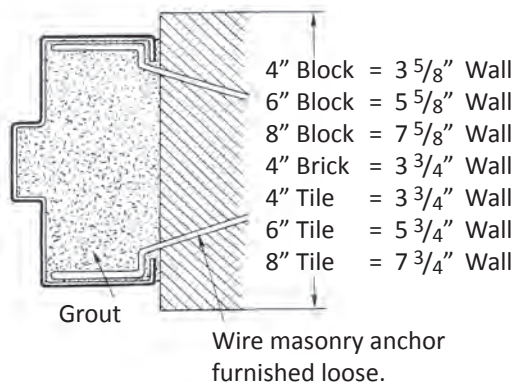
Wire Masonry Anchor



Masonry Construction Frame to Span Wall

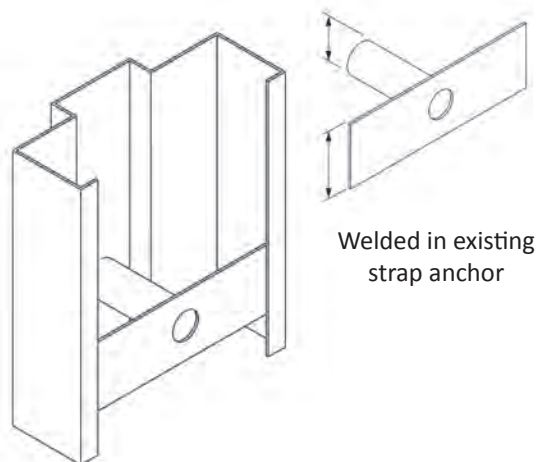


Masonry Construction Frame to Butt Wall



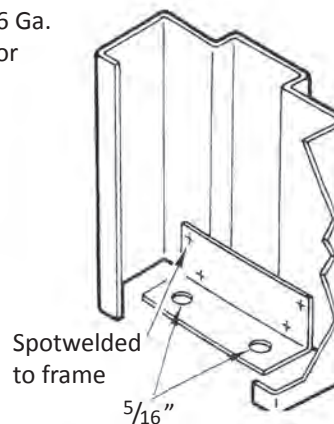
Existing Masonry Anchors

WEWA

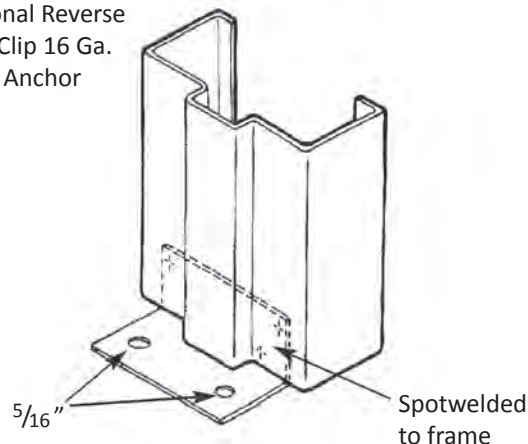


Floor Anchors

Standard 16 Ga. Floor Anchor



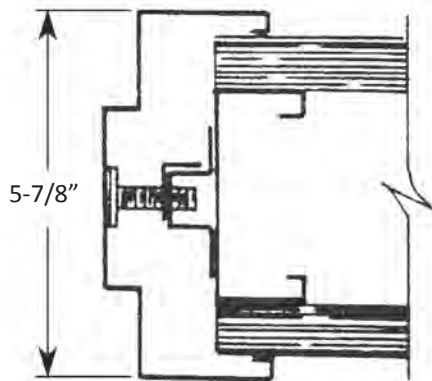
Optional Reverse Foot Clip 16 Ga. Floor Anchor



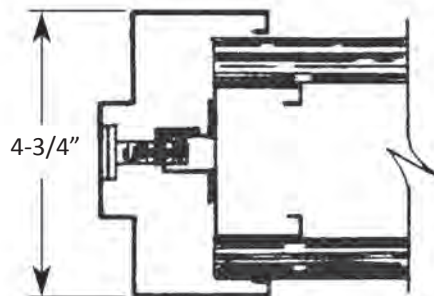
Provide frames, other than slip-on drywall type, with minimum 18 Ga. anchors for attachment to the floor.

Hollow Metal Frame Anchors

Drywall Frame Anchors

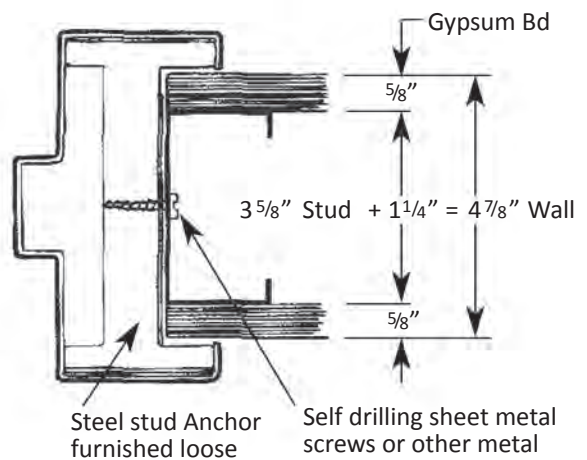
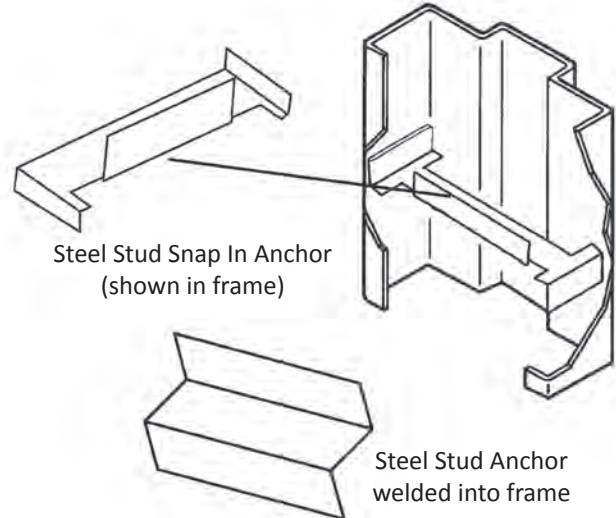


3 5/8" Steel Stud
5/8" Gypsum Bd

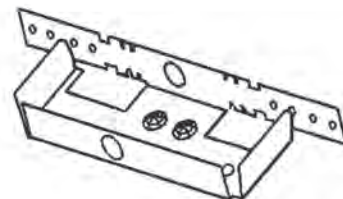


2 1/2" Steel Stud
5/8" Gypsum Bd

Steel Stud Wall Anchors



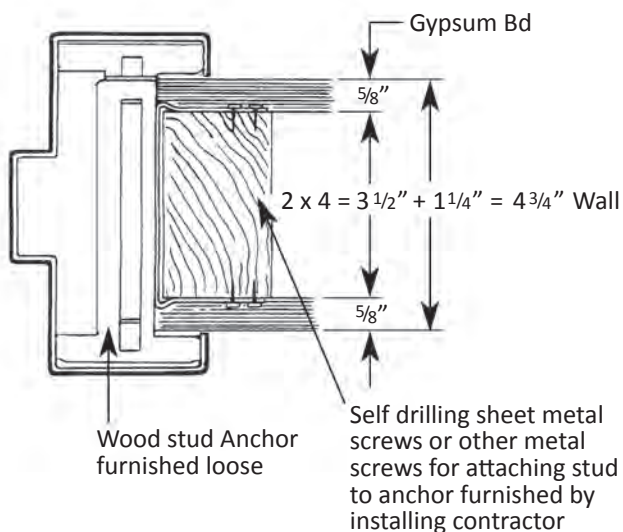
Combination Anchors



Combination anchors can be used as:

- Steel Stud Anchor
- Wood Stud Anchor

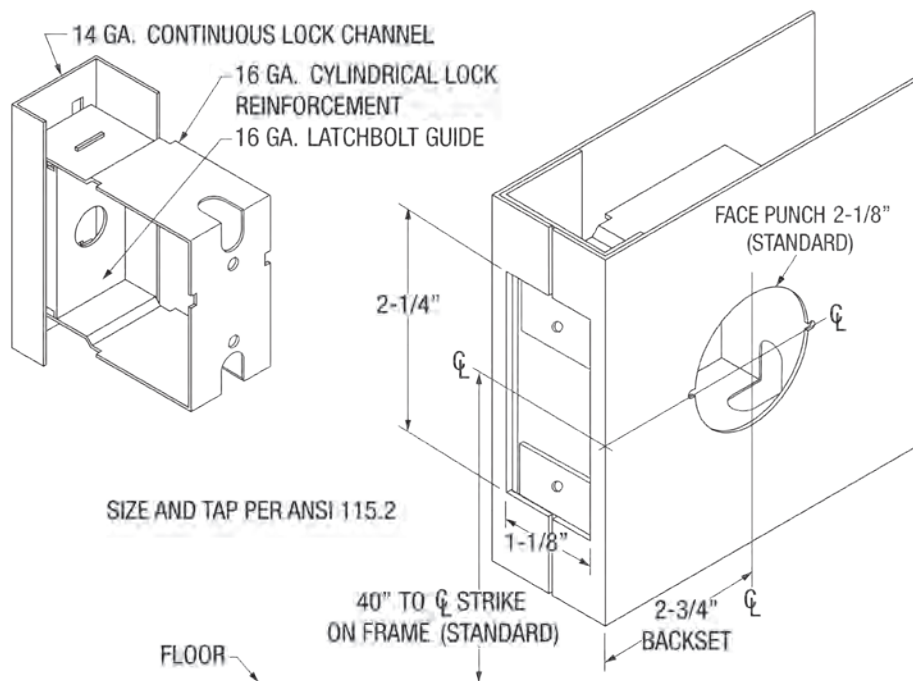
Wood Stud Wall Anchors



Hollow Metal Doors

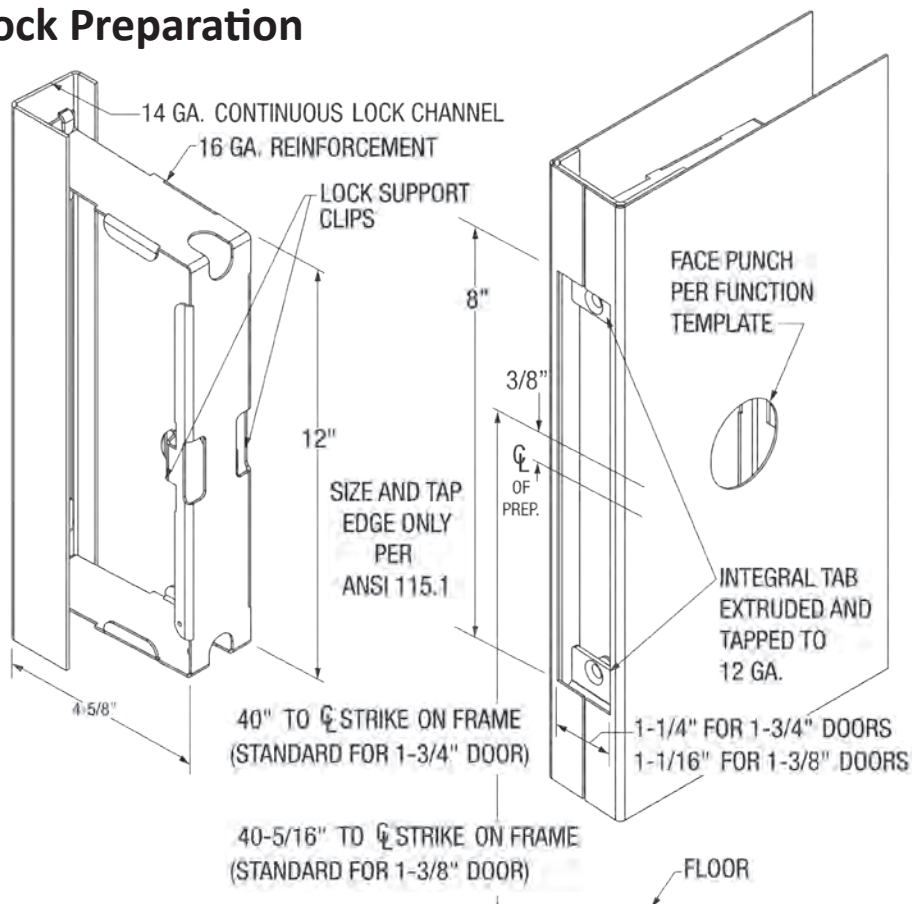
Cylindrical Lock Preparation

(Gov't. 161)



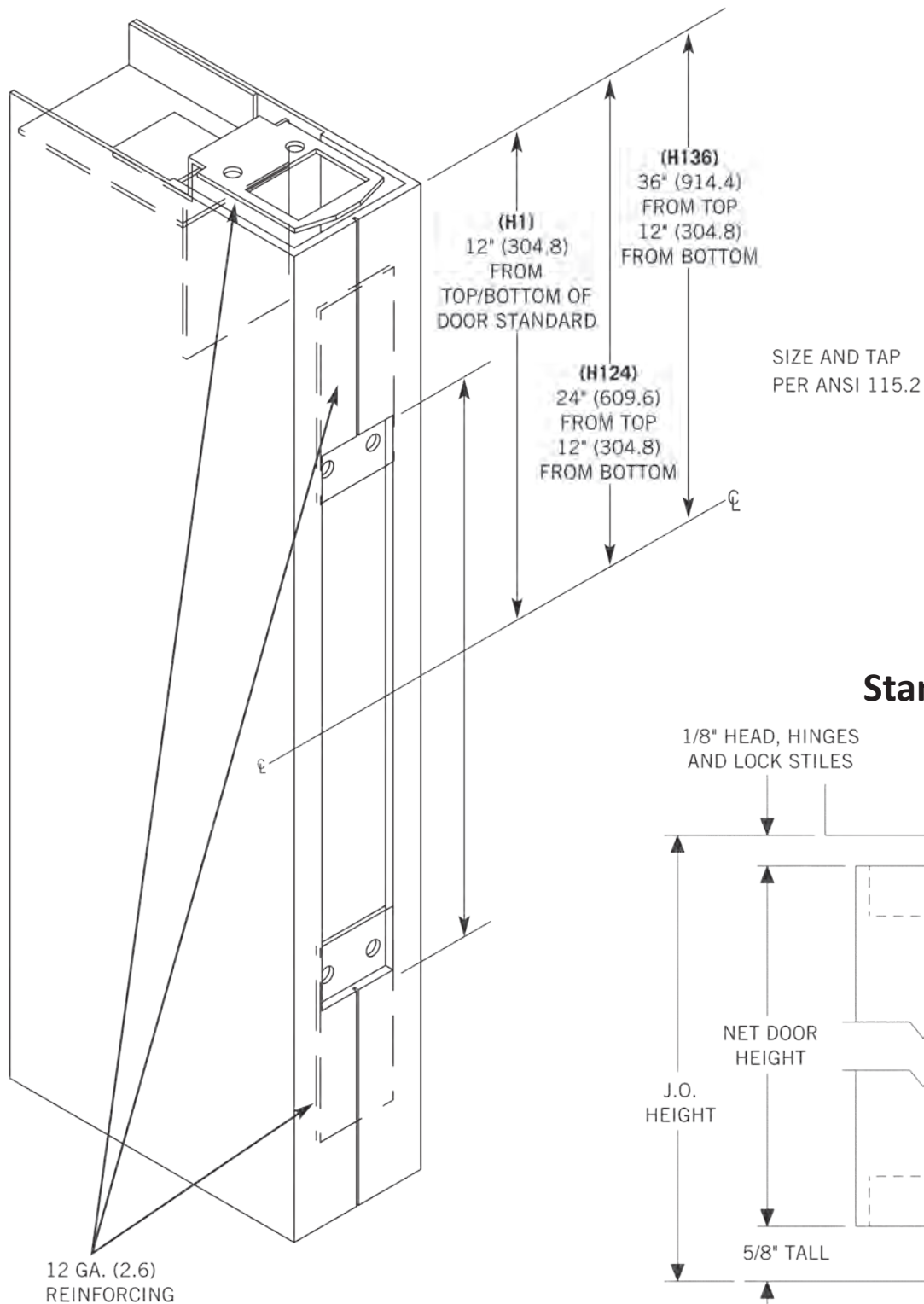
Mortise Lock Preparation

(Gov't. 86)

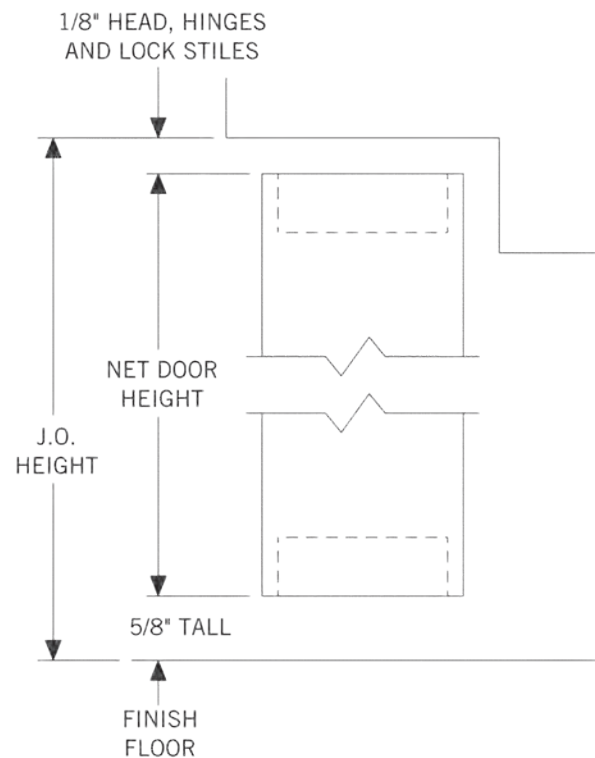


Hollow Metal Doors

Standard Inactive Door Preparation



Standard Clearance

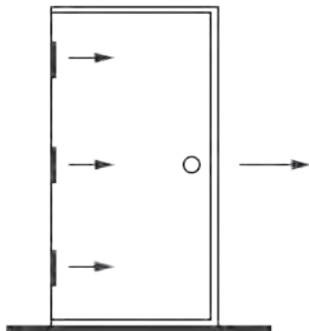


Hollow Metal Doors

Doors Installation and Trouble Shooting

Reference for a Standard Frame

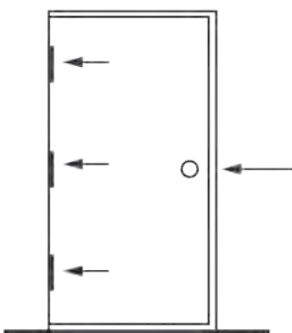
Figure 1



Tight Hinge Side Clearance and/or Excessive Lock Side Clearance

Even but excessive 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 the hinge barrel toward the strike jamb. Further adjustments can be made by placing equal sized shims (C) behind each door hinge reinforcing. (Fig 1)

Figure 2



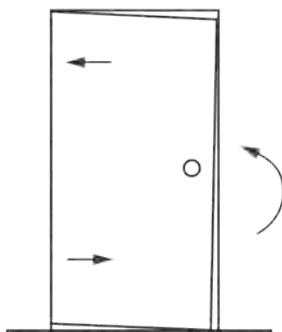
Tight Hinge Side Clearance and/or Excessive Lock Side Clearance

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 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 (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.

Out of Square Hinge Jamb or Strike Jamb

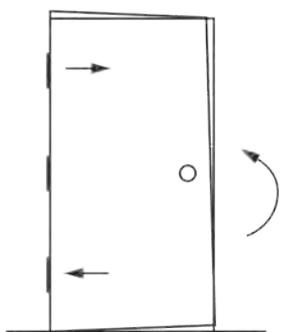
Figure 3



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) and (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.

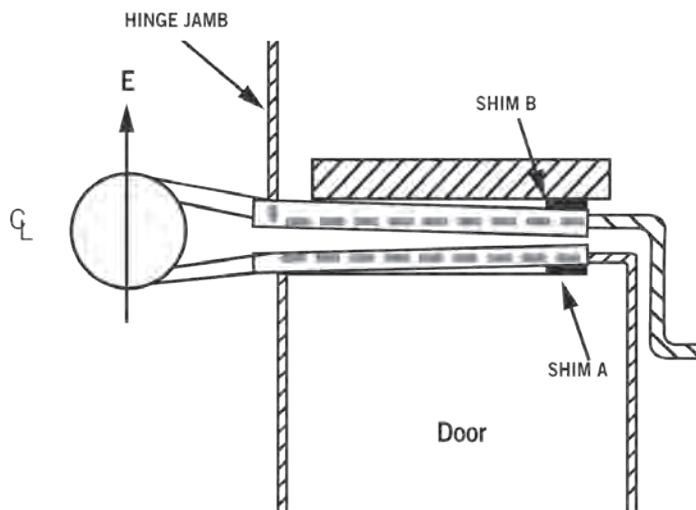


Figure 1

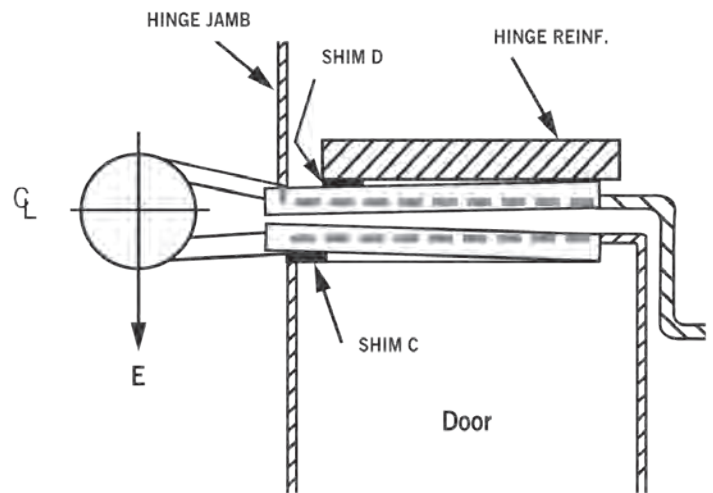


Figure 2

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.

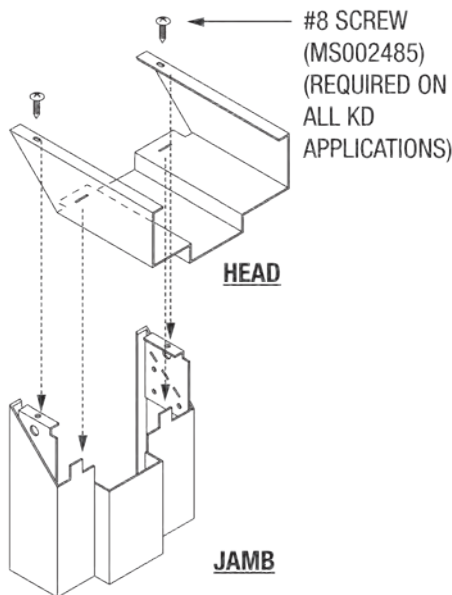
1. Using shim "A" only, door will be relocated in direction of Arrow "E".
2. Using shim "B" only, will move both door and centerline of hinge barrel in direction of Arrow "E".
3. Using both shims "A" and "B" will relocate the door in direction of Arrow "E".
4. Using shim "C" only, door will be relocated 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

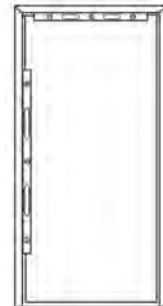
ASSEMBLY OF FRAME



PLUMBING OF FRAME

Squaring the Frame

The installer should use wood spreaders (as described below), a carpenter's level (the longer the better), and a full size carpenter's 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

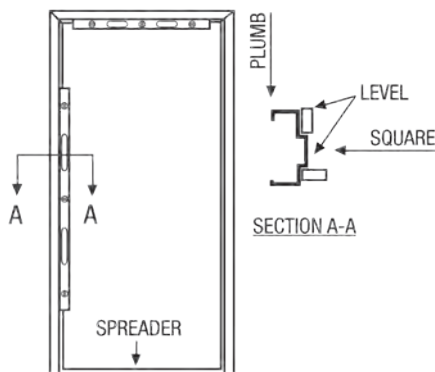


Bracing the frame

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.

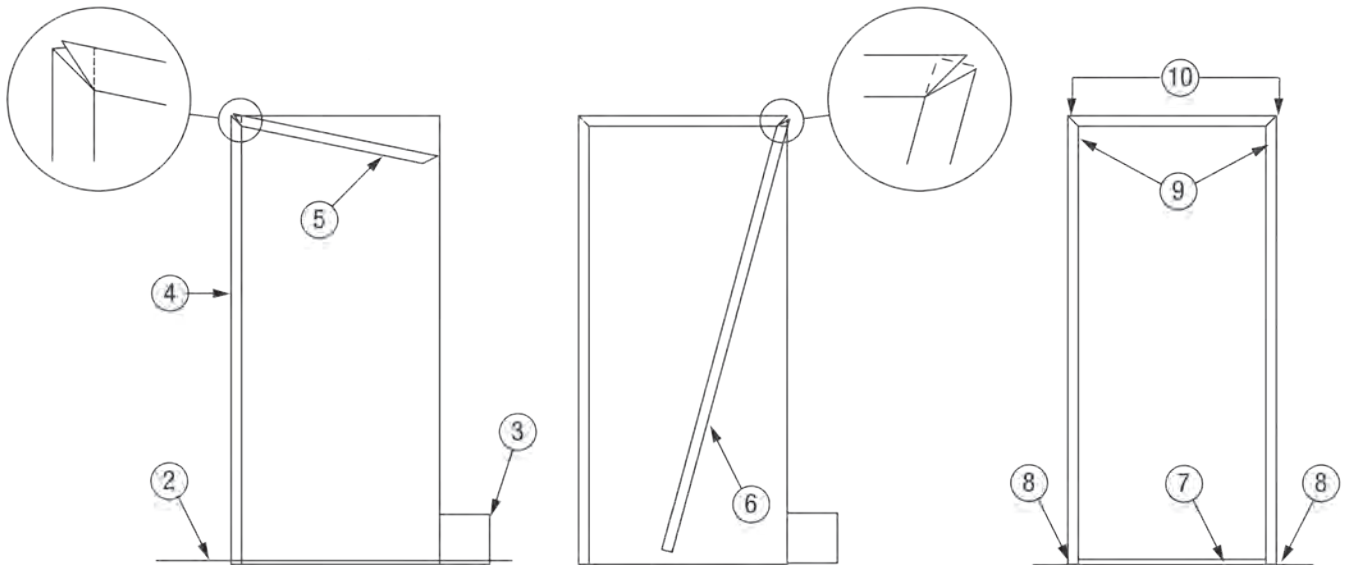
NOTE ON WELDED FRAMES:

Shipping bars should NOT be used as spreader. Remove shipping bar before setting frame.



Hollow Metal

KD Drywall Frame Installation Instructions

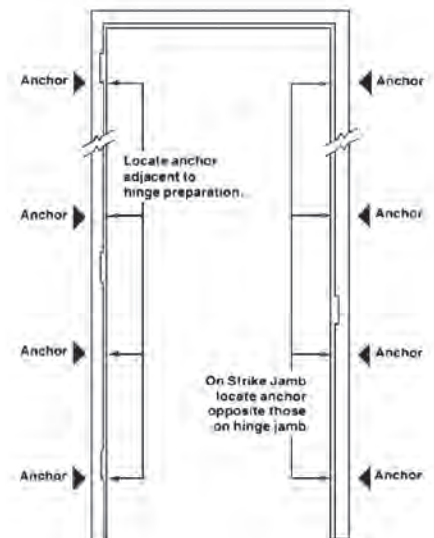


1. Construct wall with rough opening height equal to finished opening height plus 3/4" to 1" max. rough opening width is as follows:
 - a. For 2" face frames - opening width plus 21/8" to 23/8"
 - b. For 13/4" and 11/2" face frames - opening width plus 2"
2. Bottom of frame must be on a solid surface.
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.

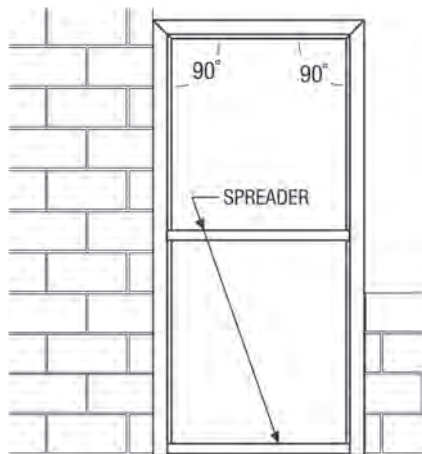
*Fire Rating requires 4 anchors each side.



Hollow Metal

Frame Installation Instructions

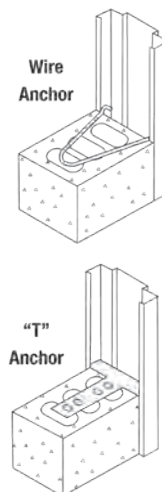
Masonry Construction For KD and Welded Frames



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



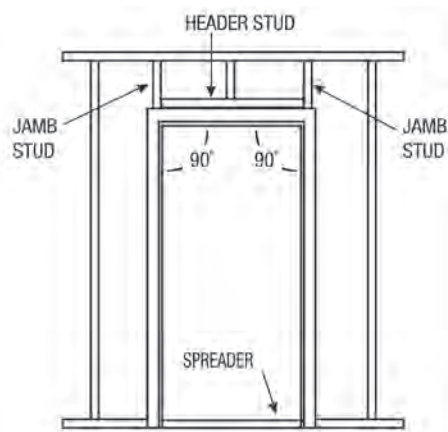
SPREADERS

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 jams 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"

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

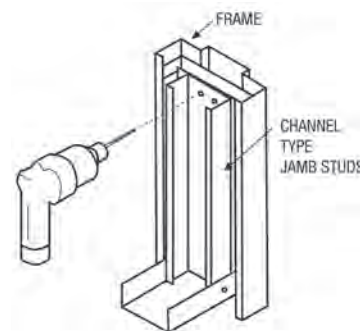
1. Assemble frame.
2. Install anchors. Position anchors in frame through the throat and tap in with a hammer. Frames may also be supplied with anchors welded in place.
3. Square, brace and plumb frame as shown.
4. Set spreader. Attach jams to floor through floor anchor or floor extension. Install jamb 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.

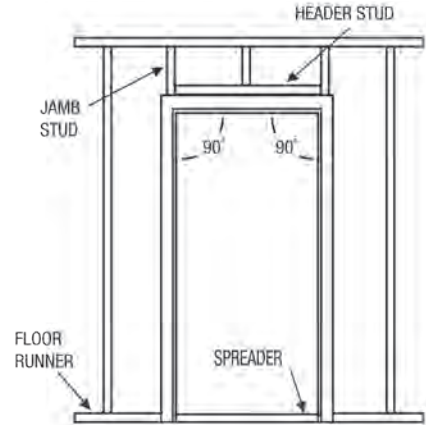
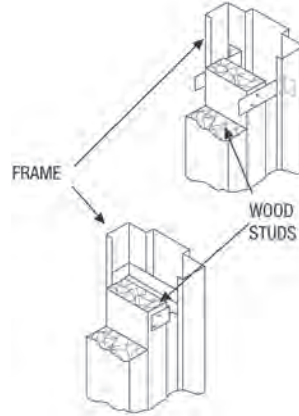
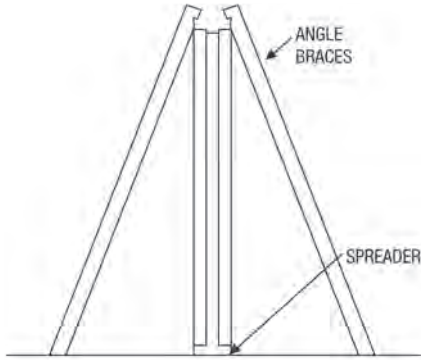
NOTE: When attaching header stud to jamb studs, be sure the stud is above frame header. This will assure ample room for attaching plaster lath or drywall and will not interfere with installation of hardware attached to frame header. Anchors are not required in frame heads, except fire listed double egress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



Hollow Metal

Frame Installation Instructions

Wood Stud Construction For KD and Welded Frames



NEW WOOD STUD CONSTRUCTION

Erect Frame

Assemble frame. Stand frame up in desired location. Anchor one jamb to floor and set spreader on floor from anchored jamb to loose jamb. Plumb, level, and square frame. Position and anchor second jamb, then brace.

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

1. Install anchors. 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

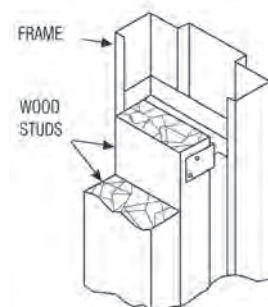
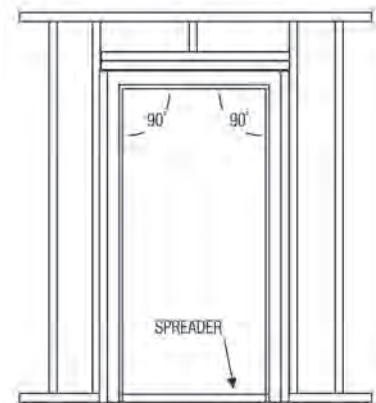


Rough opening

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.

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.

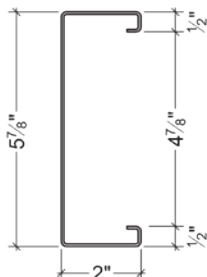
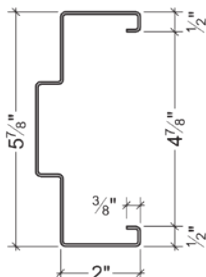


Hollow Metal Frame Profiles

16 Gauge

Standard Jamb Cased Opening Mullion Section

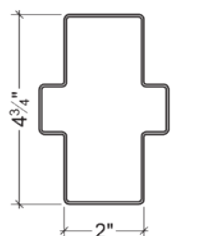
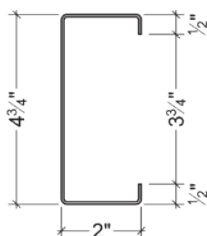
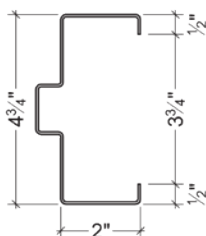
C-16 578



Stock Profiles for
Drywall Frames
C-16 ga.

4 3/4"
5 7/8"
7 1/8"
8 1/4"

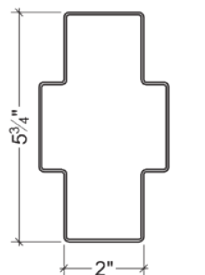
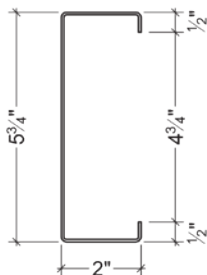
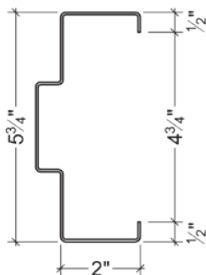
M-16 434



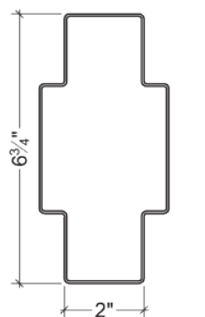
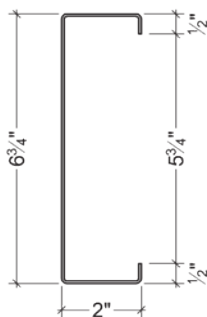
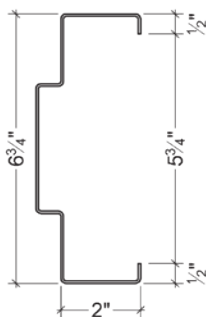
Stock Profiles for
Masonry Frames
M-16 ga.

4 3/4"
5 3/4"
6 3/4"
7 1/4"
8 3/4"

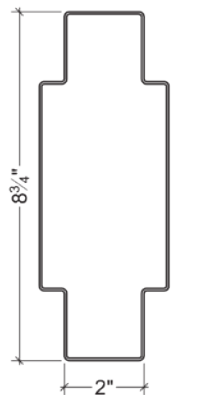
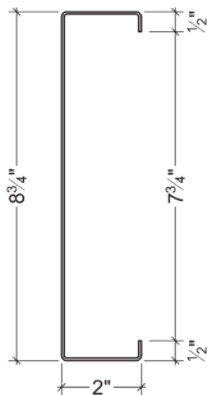
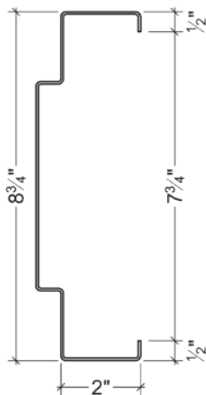
M-16 534



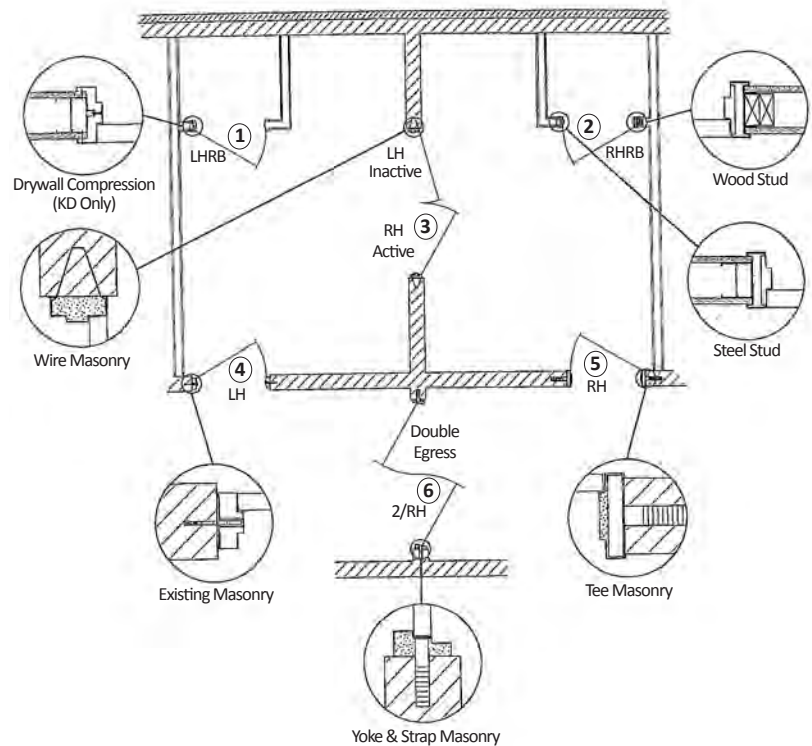
M-16 634



M-16 834

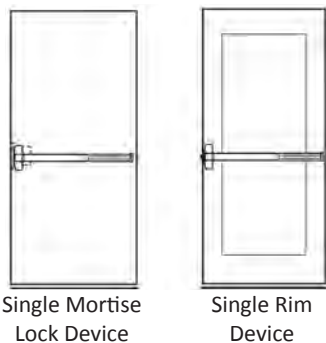


Wall Conditions & Door Swings

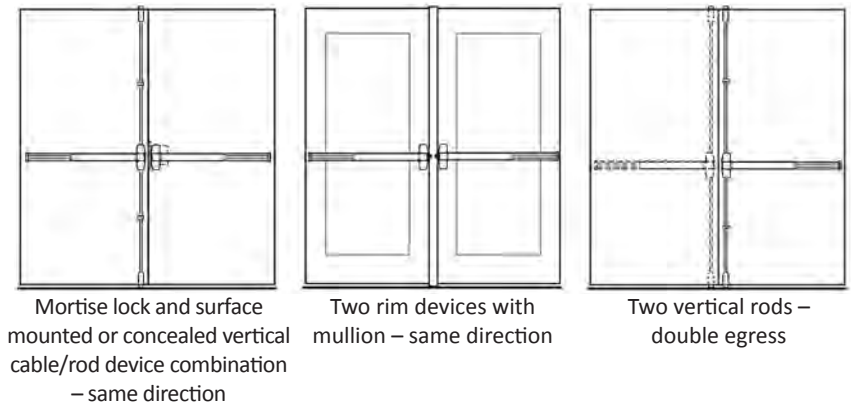


DOOR APPLICATIONS

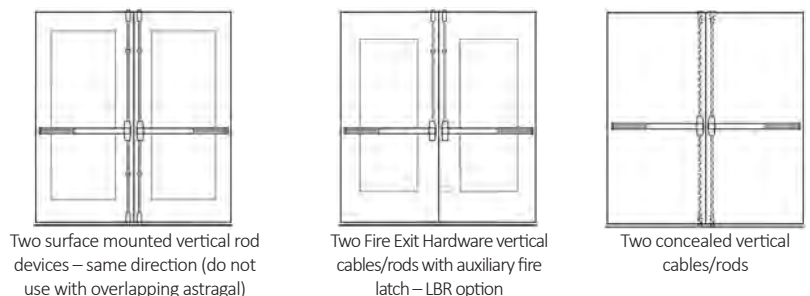
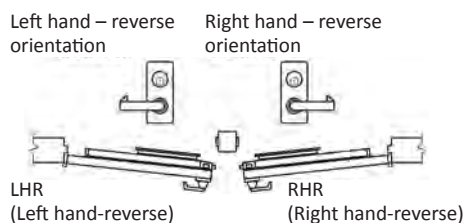
Single Door Applications



Double Door Applications



DOOR HANDING



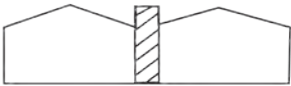









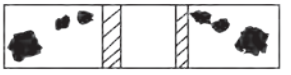

Fire Doors

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 ½ hours or 20 minutes. Fire door openings are classified by their locations in the building.

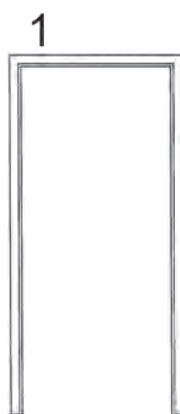
The location determines the length of exposure protection required, based on the potential fire hazard of that particular area. The five openings classifications are shown in the table along with the four door ratings and maximum amount of glass in square inches allowed for each classification.

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

Opening	Class	Rating		Glass
	A	3 Hours		100 Sq. In. per Door Leaf FireLite Glass ONLY
	B	1-1/2 Hours		100 Sq. In. per Door Leaf FireLite Glass, WireLite Glass
	C	3/4 Hours		1296 Sq. In. per Lite, more than 1 Lite per Door Leaf FireLite Glass, WireLite Glass
	D	1-1/2 Hours		None
	E	3/4 Hours		1296 Sq. In. per Lite
	No Class Designation	1/3 Hours (20 Minutes)		1296 Sq. In. per Lite

The Five Basic Requirements for a Fire Rated Opening



Labeled Fire Frame



Labeled Fire Door

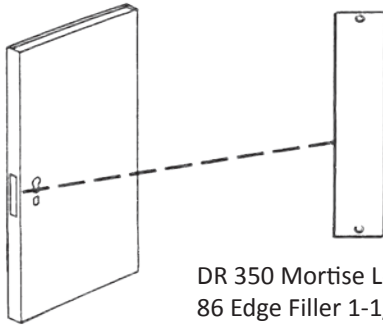


Approved Latching Device with Proper Latchbolt Length



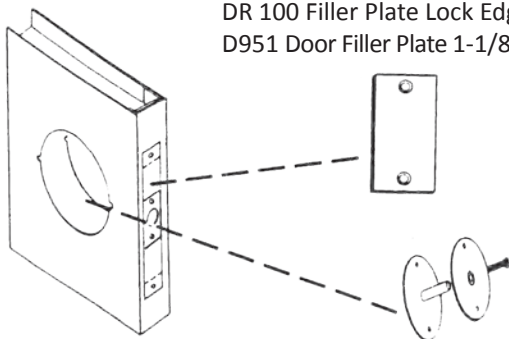
Filler Plates

Door Filler Plates

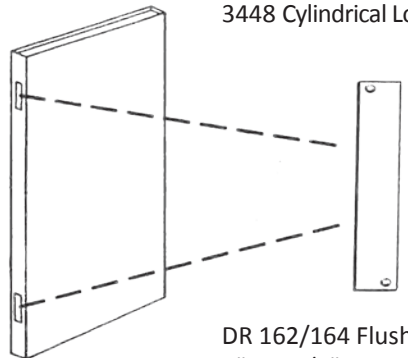


DR 350 Mortise Lock Filler Plate
86 Edge Filler 1-1/4" x 8"

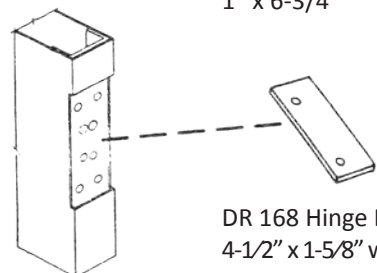
DR 180 Conversion Filler Plate
Converts 86 Edge to 181 Latch Edge



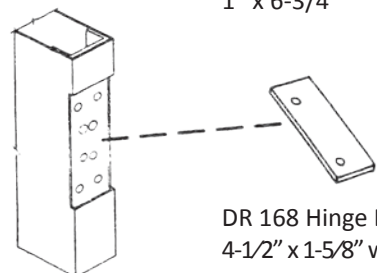
DR 100 Filler Plate Lock Edge
D951 Door Filler Plate 1-1/8" x 2-1/4"



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

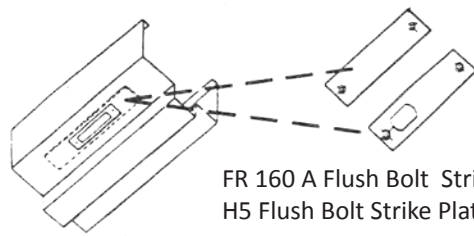


DR 162/164 Flush Bolt Filler Plate
1" x 6-3/4"

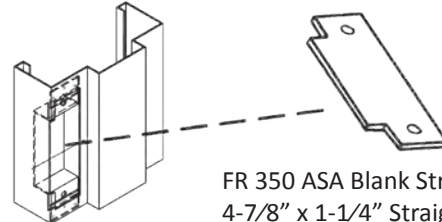


DR 168 Hinge Blank Filler Plate
4-1/2" x 1-5/8" w/o Holes for Welded Application

Frame Filler Plates



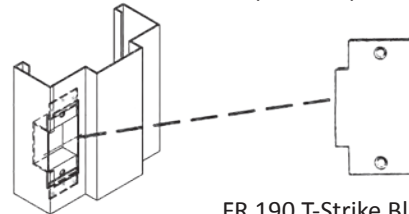
FR 160 A Flush Bolt Strike Filler Plate
H5 Flush Bolt Strike Plate



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

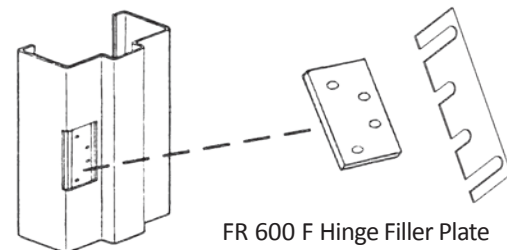
FR 201 ASA Blank Strike Plate
4-7/8" x 1-1/4" No Lip

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



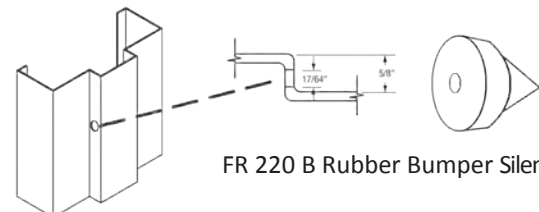
FR 190 T-Strike Blank Filler Plate
2-3/4" x 1-1/8" Straight Lip

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

CALL FOR AVAILABILITY

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-MD8600 concealed 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-T4B3789 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-T4B3789 swing clear hinges
Deadlock – Sargent 4800 Series deadlock with #74 double cylinder function
Hospital Latch – Sargent 281 Series hospital latch
Closer – 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-T4B3786 wide throw hinges
Lock – Sargent Profile Series keypad/proximity mortise lock
Closer – 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-T4B3786 wide throw hinges
 1 McKinney T4A-T4B3786-CC wide throw hinge, concealed circuit electric type
Lock – Sargent 8271 mortise lock with electric unlocking fail-secure function
Closer – 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 – Graham GPD-PC wood door
Hinges – McKinney TA3750 two knuckle hinges
Lock – Sargent 8200 Series mortise lock with #65 privacy/safety function
Closer – 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
Closer – Sargent 281 Series closer with P10 arm

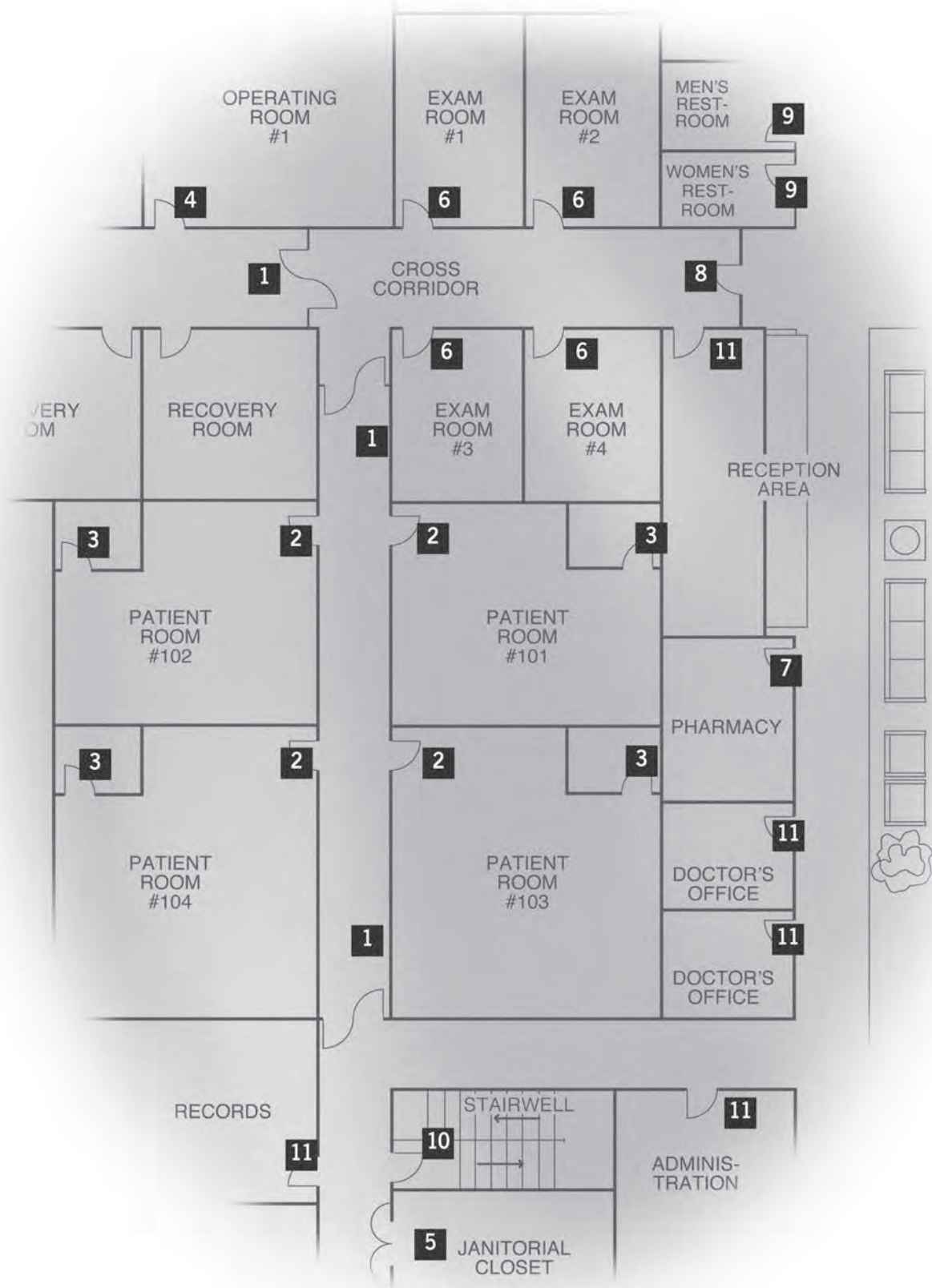


11 Office Doors (Single)

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

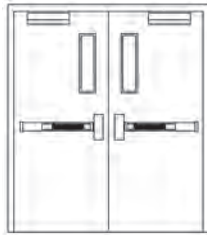
Hinges – McKinney TA3750 two knuckle hinges

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



5 Cross Corridor Double Egress Door with 90 Minute Fire Rating (Pairs)

Frame – Curries 16 gauge double egress frame

Door – Curries 747 x Curristain - 18 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



2 Auditorium/Cafeteria/ Gymnasium Exterior Exit Door (Pairs)

Frame – Curries 14 gauge Curriseal frame

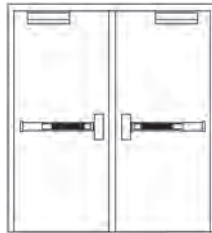
Door – Curries 847 – 14 gauge steel stiffened door

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



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



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



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



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



8 Stairway Door with 90 Minute Fire Rating (Pairs)

Frame – Curries 16 gauge hollow metal frame

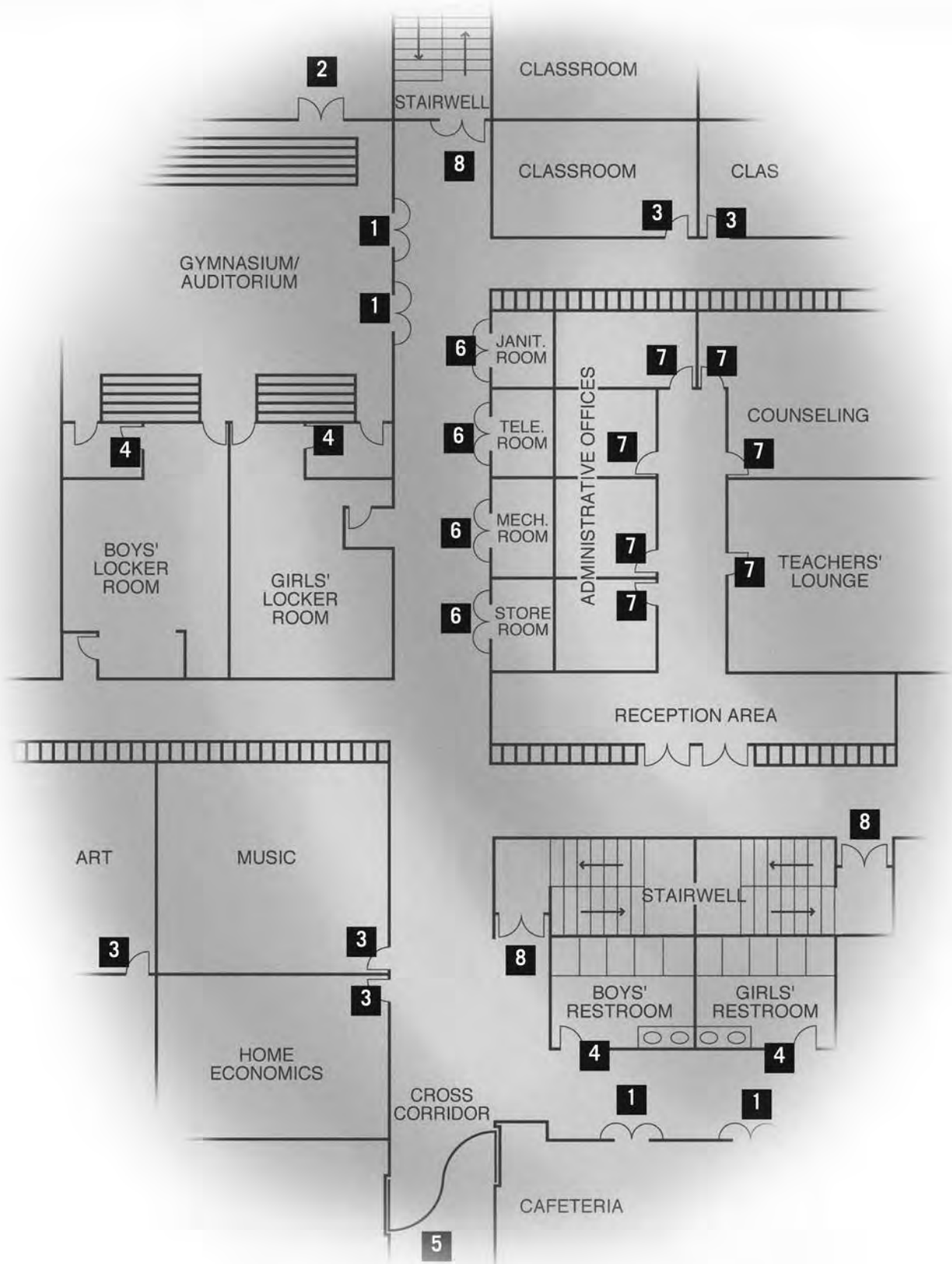
Door – Curries 747 x Curristain – 16 gauge door with narrow vision lites x stainable steel

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



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



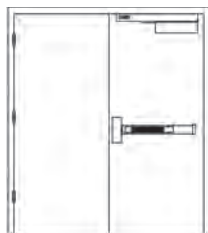
2 Restroom Door (Single)

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 closers/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 closers/smoke detectors
Power Supply – Sargent 3530 Series power supply



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
1 McKinney TA3750 concealed circuit electric type two knuckle hinge
Lock – Sargent 8200 Series mortise lock with 04 store room 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



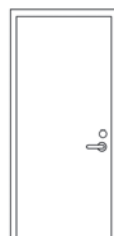
7 Stairway Door with 90 Minute Fire Rating (Single)

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

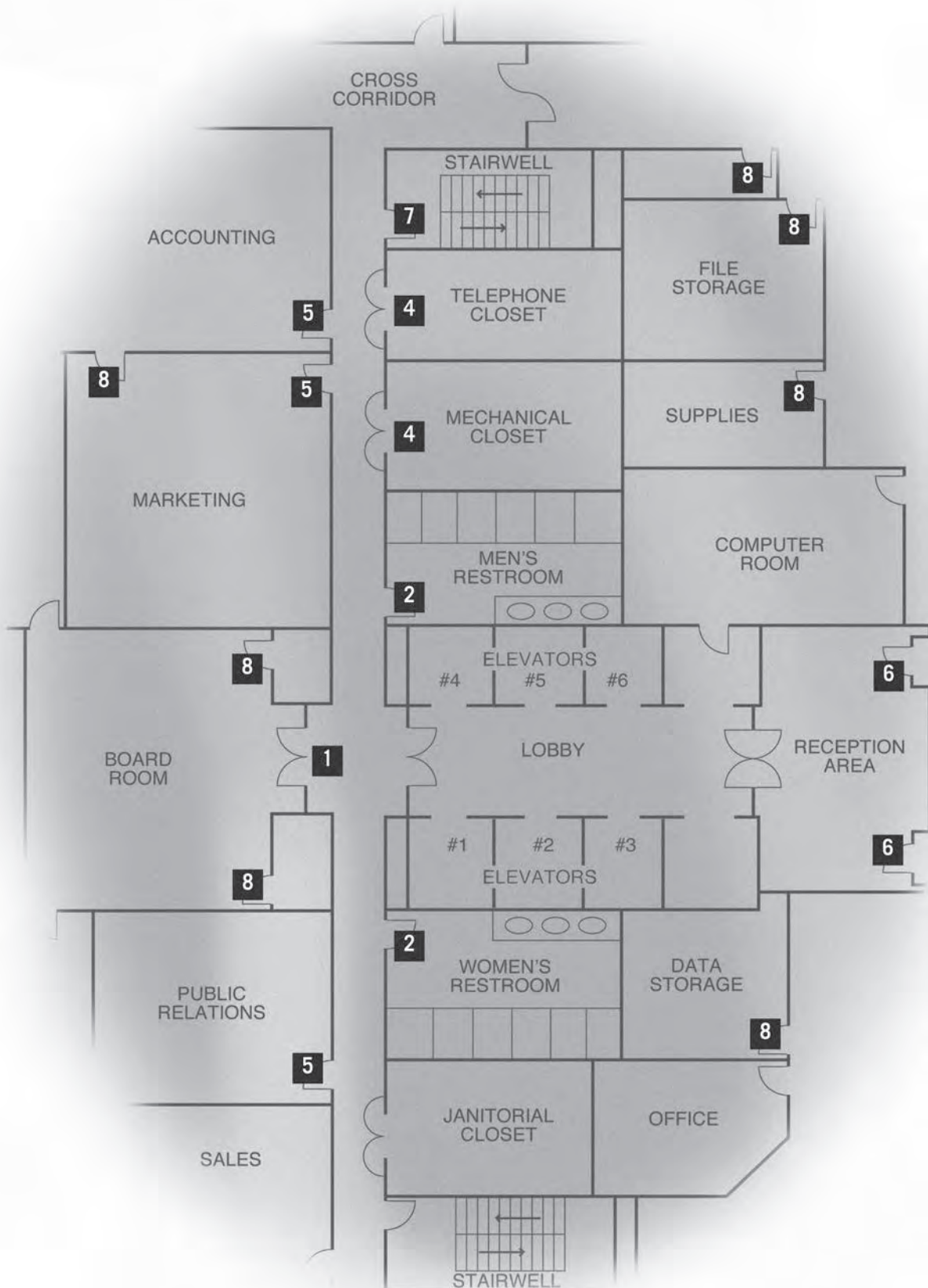


8 Closet & Storage Room Door (Single)

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



Dimensions

Single Door Openings

Nominal Door Width	Outside Frame Dimensions	
	Masonry Opening	Drywall Opening
24" = 2'-0" L*	28"	26 ¼"
26" = 2'-2" SP**	30"	28 ¼"
28" = 2'-4" L*	32"	30 ¼"
30" = 2'-6" SS	34"	32 ¼"
32" = 2'-8" L*	36"	34 ¼"
34" = 2'-10" SS	38"	36 ¼"
36" = 3'-0" SS	40"	38 ¼"
38" = 3'-2" SP**	42"	40 ¼"
40" = 3'-4" L*	44"	42 ¼"
42" = 3'-6" L*	46"	44 ¼"
44" = 3'-8" L*	48"	46 ¼"
46" = 3'-10" SP**	50"	48 ¼"
48" = 4'-0" L*	52"	50 ¼"

Paired Door Openings

Nominal Paired Door Width (x2)	Outside Frame Dimensions	
	Masonry Opening	Drywall Opening
24" (x2) = 48" = 4'-0" L*	52"	50 ¼"
26" (x2) = 52" = 4'-4" SP**	56"	54 ¼"
28" (x2) = 56" = 4'-8" SP**	60"	58 ¼"
30" (x2) = 60" = 5'-0" L*	64"	62 ¼"
32" (x2) = 64" = 5'-4" SP**	68"	66 ¼"
34" (x2) = 68" = 5'-8" L*	72"	70 ¼"
36" (x2) = 72" = 6'-0" SS	76"	74 ¼"
38" (x2) = 76" = 6'-4" SP**	80"	78 ¼"
40" (x2) = 80" = 6'-8" L*	84"	82 ¼"
42" (x2) = 84" = 7'-0" L*	88"	86 ¼"
44" (x2) = 88" = 7'-4" SP**	92"	90 ¼"
46" (x2) = 92" = 7'-8" SP**	96"	94 ¼"
48" (x2) = 96" = 8'-0" L*	100"	98 ¼"

Nominal Door Height	Outside Dimensions	
	Masonry Opening	Drywall Opening
80" = 6'-8"	82"	81 ¼"
84" = 7'-0"	86"	85 ¼"
96" = 8'-0"	98"	97 ¼"



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.

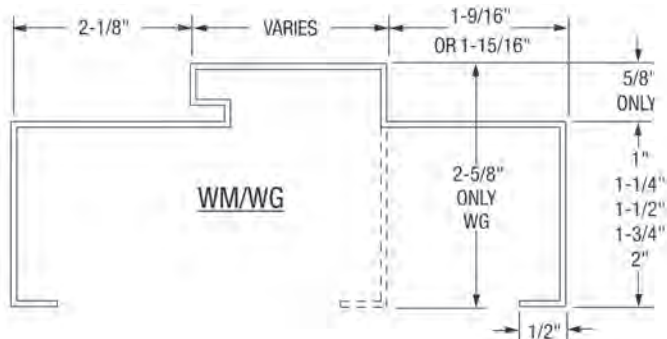


Specialty Frames

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.



CURRIseal KD Gauge 18-16-14* Jamb depth 5-1/4" through 14"

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 galvanized 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. Metal plaster guards are to be provided for all mortise cutouts. 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

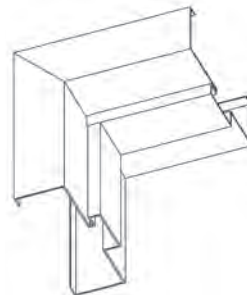
gauge. All hardware must be compatible with CURRIES listing for this product.

WC Series Frames – Drywall

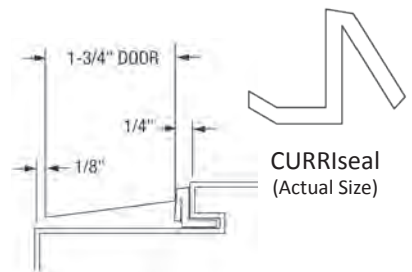
Frames shall be WC Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvanized steel (as specified) of 18, 16, or 14 gauge. Frames shall have a 1/8" (3) integral kerf formed into the frame soffit to receive CURRIES listed gasket sets. Frames 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.



Knock-down frame corner

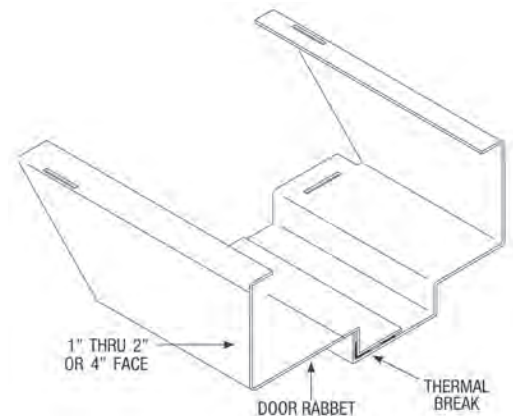


Detail of seal

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 S44 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.



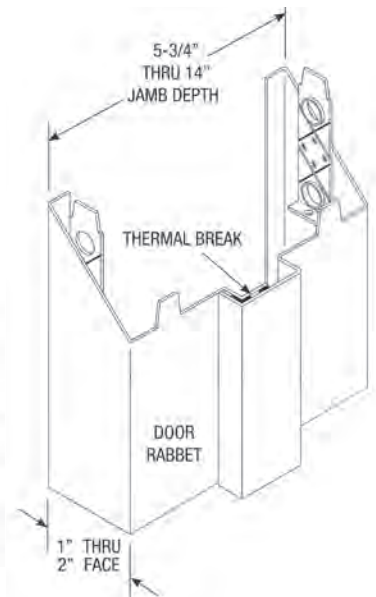
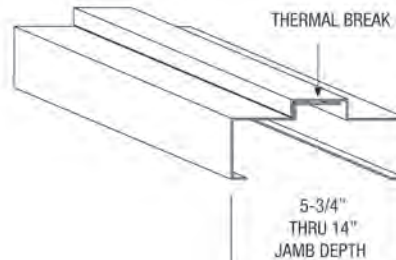
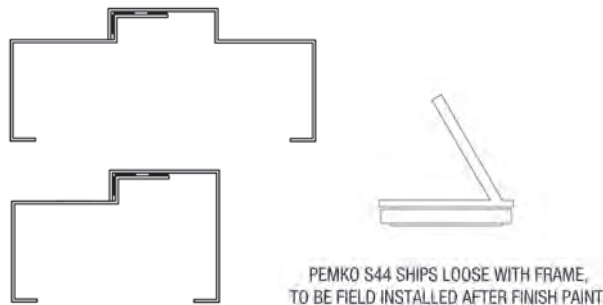


Specialty Frames

Mercury Thermal Break Frames (continued)

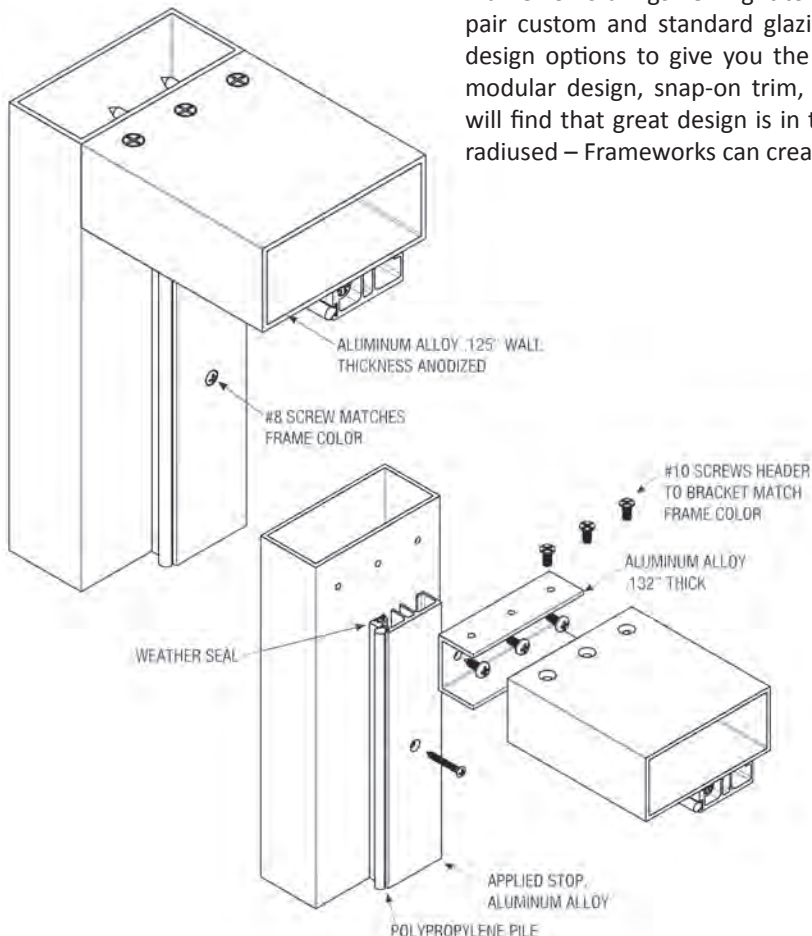
Mercury Thermal Break Frame KD Flush Profile

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.



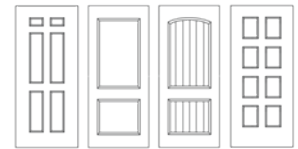
Frames

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



NOTE:
Closer reinforcements as detailed here are optional



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

	607	707	727	737
Door Thickness	1-3/4" (44)	1-3/8" (35) or 1-3/4" (44)	1-3/4" (44)	1-7/8" (48)
Hinge Rail and Reinforcement	Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent	Full Height Channel, 14 Gauge Extruded* to 10 Gauge Equivalent or 12 Gauge Extruded to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent
Lock Rail	Full Height Channel 16 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge
Top Channel	18 Gauge	16 Gauge	12 Gauge	16 Gauge
Bottom Channel	18 Gauge	16 Gauge	16 Gauge	16 Gauge
Core	Insulating Polystyrene	Insulating Polystyrene Std. Polyurethane Optional	Mineral Core (UL Listed) Fire Door Core	Polystyrene
Insulation	Polystyrene	Polystyrene	Mineral Core (UL Listed) Fire Door Core	Polystyrene
Face Skins	20, 18 Gauge	20, 18, 16, 14 Gauge	18, 16 Gauge	16, 14 Gauge Bullet Resistant Plating
Sizes Available	2068 - 4070	2068 - 50100	2068 - 4080	40100 Maximum
Galvanize Options	—	A-60, G-90	A-60, G-90	A-60, G-90
SDI 100 Level / Model ANSI A250.8	1 / 1, 2 / 1	1, 2, 3, 4 / 1, 2	2, 3 / 1, 2	3, 4 / 1, 2
Fire Label Ratings	See Fire Labeled Doors section for complete information.			

* 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.



Door Specifications

Composite Core Doors

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 16 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 18 gauge channels. Doors are square hinge and lock edge featuring a non-handed design. 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.

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 galvanized 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, 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.

727 SERIES SPECIFICATIONS

Doors shall be 727 Series as manufactured by CURRIES, Mason City, Iowa. Doors are 250 degree or 450 degree temperature rise listed products for the first 30 minutes of a fire test. Doors are to be manufactured of the finest quality 16, 18, (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid UL listed mineral core 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 (727S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (727N) 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 (727T). 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 of the door is closed with a 12 gauge channel and bottom of the door shall be closed with a 16 gauge channel. 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.

737 SERIES SPECIFICATIONS

Doors shall be 737 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction and 1-7/8" (48) 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. Integral armor plating inside of the door shall provide bullet resistive properties in accordance to UL HPSA listing. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (737S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (737N) 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 (737T). 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
- Sound Rated Assembly
- STC43 and STC45



777E Series

- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications



847 Series

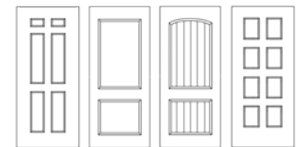
- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications



857 Series

- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications

NOTE:
Closer reinforcements as detailed here are optional



Standard Components

	747	757	777E	847	857
Door Thickness	1-3/4" (44)	1-3/4" (44)	1-3/4" (44)	1-3/4" (44)	2" (51)
Hinge Rail and Reinforcement	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 16 Gauge Inverted to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent
Lock Rail	Full Height Channel 14 Gauge	14 Gauge	Full Height Channel 16 Gauge Inverted	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge
Top Channel	16 Gauge	12 Gauge	16 Gauge	16 Gauge/Plus Flush Top 16 Gauge	14 Gauge/Plus Flush Top 16 Gauge
Bottom Channel	16 Gauge	16 Gauge	16 Gauge	16 Gauge	14 Gauge
Core	Steel Stiffened	Sound Retarding	Steel Stiffened	Steel Stiffened	Steel Stiffened
Stiffener Gauges	20 Gauge		22 Gauge	18 Gauge	18 Gauge
Stiffener Spacings	6" (152) on Vertical Supported Center Lines		5" (127) on Vertical Supported Center Lines	4" (102) on Vertical Supported Center Lines	4" (102) on Vertical Supported Center Lines
Stiffener Welding	6" (152) Vertically to Face Skins		5" (127) Vertically to 22 Gauge Core Plate	4" (102) Vertically to Face Skins	4" (102) Vertically to Face Skins
Insulation	Fiberglass Between Stiffeners	Fiberglass/Gypsum	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	14 Gauge
Sizes Available	2068-50100 Oversize Available	4080 Maximum	4080-8080	2068-50100 Oversize Available	2068-4080
Galvanize Options	A-60, G-90	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	4 / 1, 2
Fire Label Ratings	See Fire Labeled Doors section for complete information.				

† 12 gauge steel extruded to provide equivalent thread depth of tapped holes.

- NOTES:
1. 847 and 857 Series doors comply with Commercial Security Door Specification HMMA 862-87.
 2. Closer reinforcements as detailed here are optional.
 3. 777E Series doors comply with Commercial Security Door Specification HMMA 867.



Door Specifications

Steel Stiffened Core Doors

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 galvanized 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 (747N) 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 (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 gauge steel channels welded to both face sheets. Hardware Provisions: Hinge preparations are handed. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which), 7 gauge 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 gauge 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 galvanized 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 gauge concealed type. Doors shall be 1-3/4" (44) thick and reinforced with 18 gauge stiffeners welded to each face skin 4" (102) on center with spot welds 4" (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 16 gauge channels. The top of the door shall be flush with an additional 16 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 (847S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (847N) 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.

857 SERIES SPECIFICATIONS

Doors shall be 857 Series 14 gauge cold rolled or galvanized 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 gauge concealed type. Doors shall be 2" (51) thick and reinforced with 18 gauge stiffeners welded to each face skin 4" (102) on center with spot welds 4" (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 (857N) 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 (857T). 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, light-

weight 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.

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 door extends the 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

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

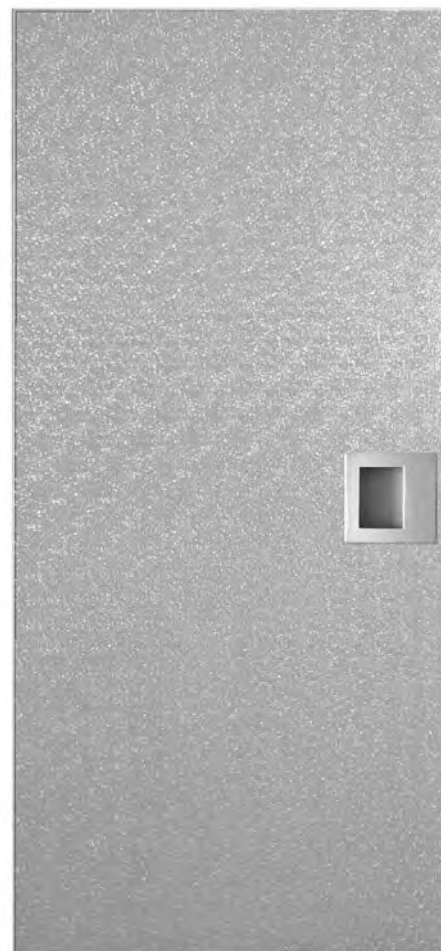
Fieldstone Embossed Faces:

(Five standard colors)

- Dark Bronze
- Light Gray
- Red
- Tan
- White

Door Edges, Frame, and Window Kit Colors:

- Black
- Dark Bronze
- Clear





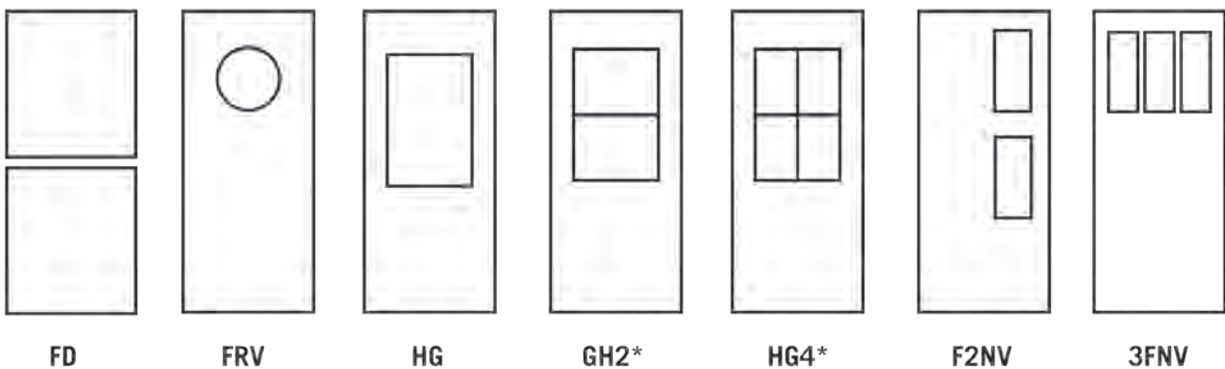
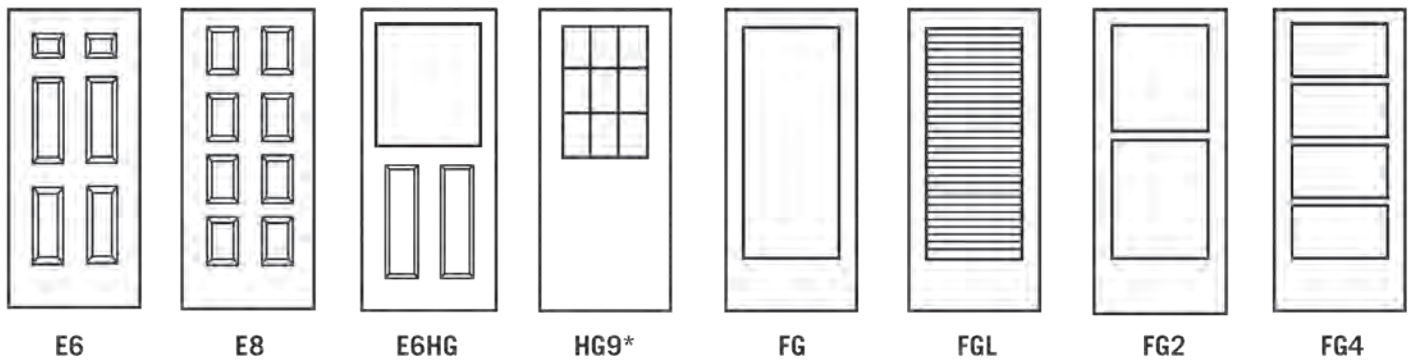
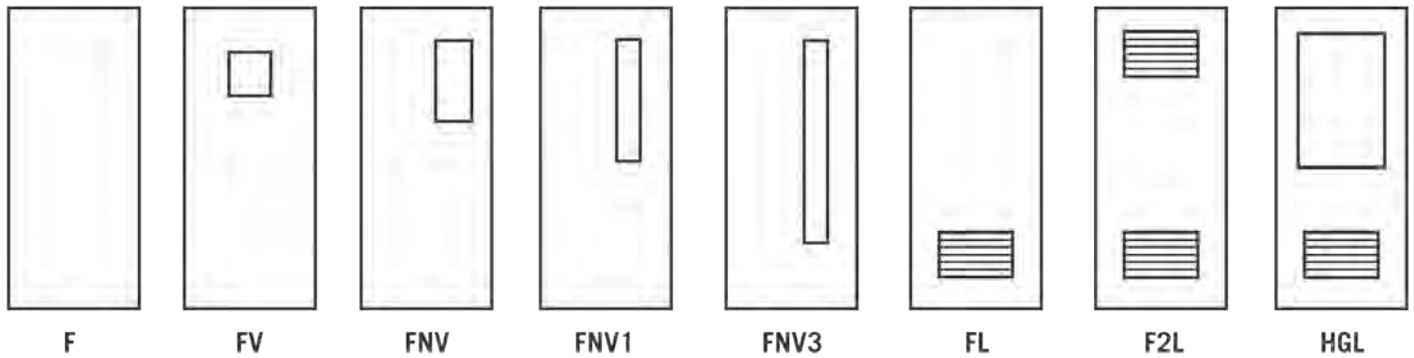
Hollow Metal Doors

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



Partitions

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

Graham
wood doors

ASSA ABLOY

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

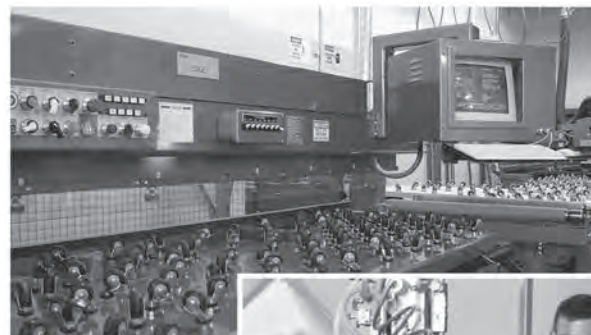
Pre-Finished Doors:

- 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, Ma-
hogany.



Architectural Flush Wood Doors

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.



SIZE	TYPE/SPECIES	CLASS	FIRE RATING
3'0" x 6'8" 3'0" x 7'0" 3'0" x 8'0"	BIRCH SLAB 90 MINUTE	B	1 ½ Hr
3'6" x 7'0"	BIRCH SLAB 90 MINUTE	B	1 ½ Hr
4'0" x 7'0" 4'0" x 8'0"	BIRCH SLAB 90 MINUTE	B	1 ½ Hr
3'0" x 6'8" 3'0" x 7'0" 3'0" x 8'0" 3'0" x 9'0"	BIRCH SLAB SC WOOD 3/3	-	-
2'6" x 7'0" 2'8"x 7'0" 2'10" x 7'0"	BIRCH SLAB w/6" BOTTOM RAIL	-	-
3'6" x 7'0"	BIRCH SLAB SC WOOD DOOR	-	-
3'0" x 7'0" 3'0" x 8'0" 3'0" x 9'0"	MAHOGANY SLAB SC WOOD DOOR	-	-
3'0" x 7'0" 3'0" x 8'0" 3'0" x 9'0"	MAPLE SLAB PLAIN SLICED WHITE	-	-
3'0" x 8'0" 3'0" x 9'0"	CHERRY SLAB PLAIN SLICED	-	-
3'0" x 6'8" 3'0" x 7'0" 3'0" x 8'0"	OAK SLAB 90 MINUTE	B	1 ½ Hr
3'6" x 7'0" 3'8" x 7'0"	OAK SLAB 90 MINUTE	B	1 ½ Hr
4'0" x 7'0" 4'0" x 8'0"	OAK SLAB 90 MINUTE	B	1 ½ Hr
3'0" x 6'8" 3'0" x 7'0" 3'0" x 8'0" 3'0" x 9'0"	OAK SLAB SC WOOD DOOR 3/3	-	-
2'6" x 7'0" 2'8"x 7'0" 2'10" x 7'0"	OAK SLAB w/6" BOTTOM RAIL	-	-
3'6" x 7'0"	OAK SLAB SC WOOD DOOR	-	-
4'0" x 7'0" 4'0" x 8'0"	OAK SLAB SC WOOD DOOR 3/3	-	-
3'0" x 7'0"	WALNUT SLAB	-	-

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.

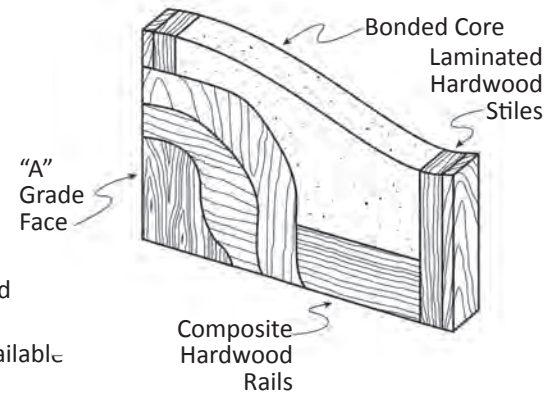
GRAHAM Premium Door (GPD)

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



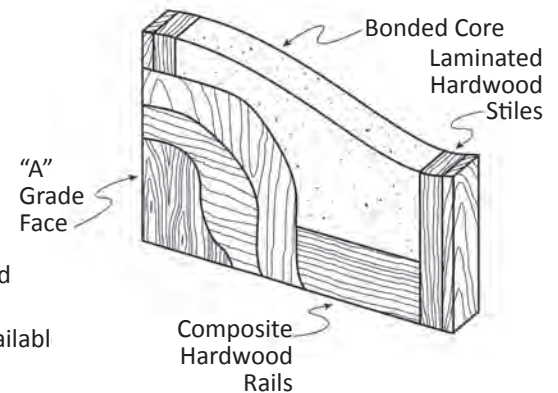
GRAHAM Custom Door (GCD)

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

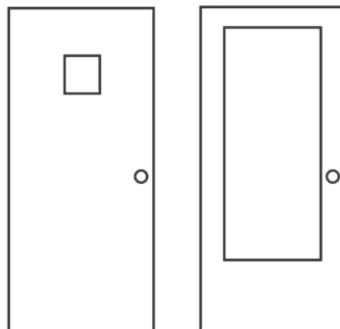


Standard Vision Panel Sizes/Locations

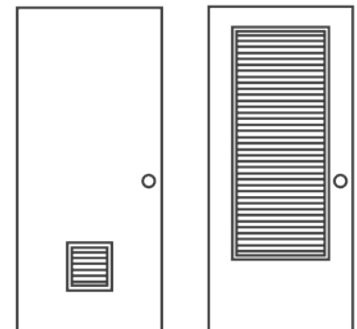
Standard Louver Sizes/Locations

Specify vision panel or louver dimensions at time of order.

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



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.



Graham[®]
wood doors

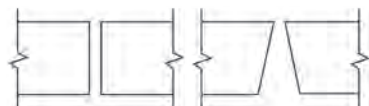
ASSA ABLOY

Vision Panels, Mouldings & Louvers

Meeting Edge Options

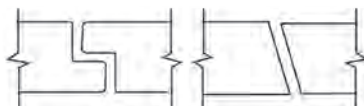
General Moulding Requirements

- 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:



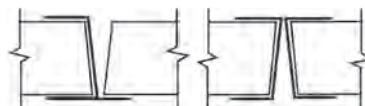
No Bevel

Bevel



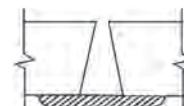
Rabbeted

Parallel Bevel
Dbl. Egress



Metal Edge
Guards/Astragal

Metal Edge
Guards

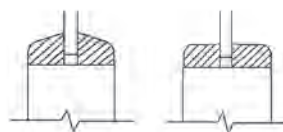


Flat Astragal

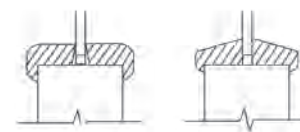
Glazing Options

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.

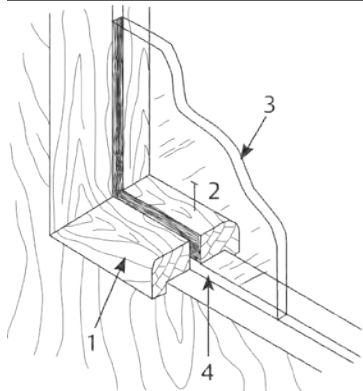


Flush Mouldings

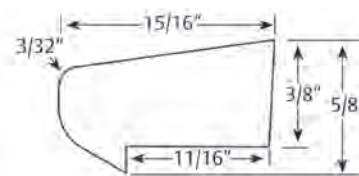
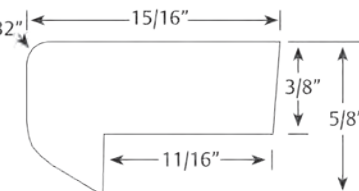


Lip Moulding

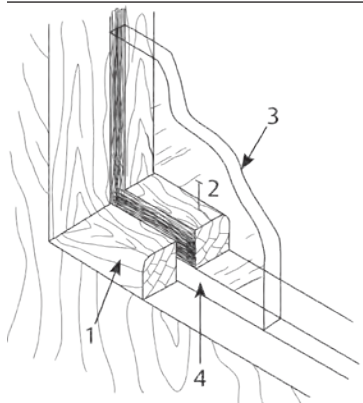
Lip Moulding for Lites



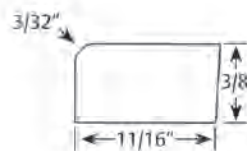
1. Matching specie to door face veneer for Premium $\frac{3}{32}$ " grade. For use with 1-3/4" thick doors.
M2G - Flat Lip Moulding 15/16" wide x 5/8" thick, 3/32" radius.
M3G - Beveled Lip Moulding 15/16" wide x 3/8" thick, 3/32" radius
2. Wire Brad - Lip Moulding is factory attached.
3. 1/4" Glazing - 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.
M6G - Flush Moulding 11/16" wide x 3/8" thick, 3/32" radius.
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.

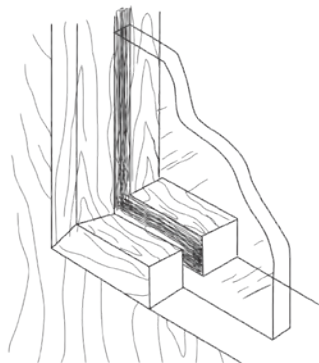
Fire Rated Vision Panels

Architectural Accessories Details for Wood Doors

Graham
wood doors

ASSA ABLOY

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**
4. Available Species: Red Oak, Natural Birch, White Maple, Cherry, Mahogany, and Walnut.
Contact your Customer Service Professional for availability of other species.
5. Glass: 1/4" thick nominal wired glass or 3/16" thick nominal ceramic

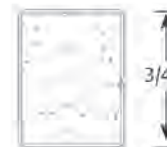
Cutout Size and Glass Size: (100 in² maximum)

Cutout Width = Visible Glass Width + 1.500"

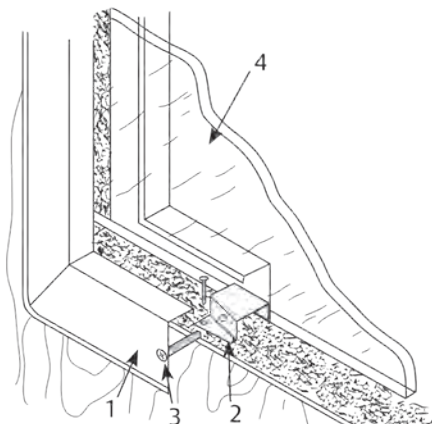
Cutout Height = Visible Glass Height + 1.500"

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.

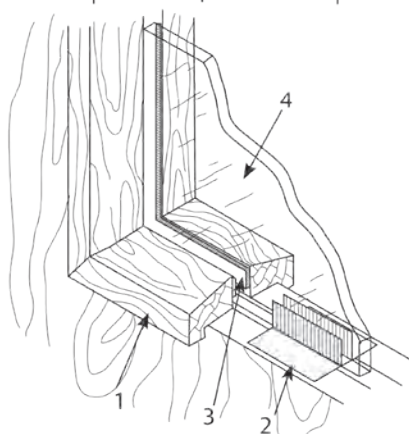
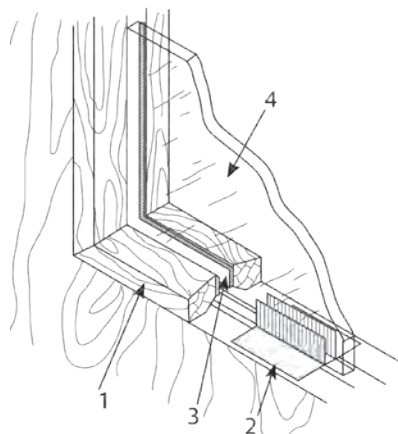
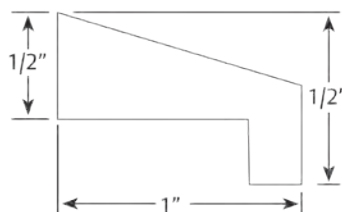
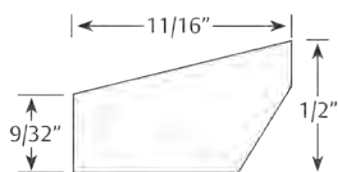
Lites – Order size = Cutout size = visible glass size

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.

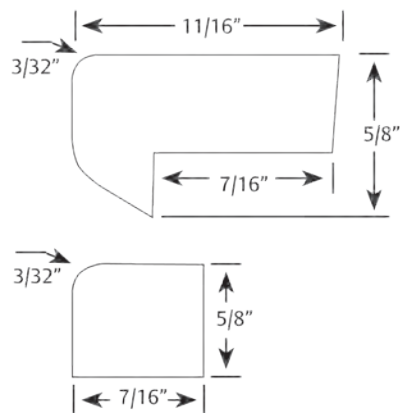
Graham[®]
wood doors

ASSA ABLOY

Louver Units

Architectural Accessories - Details for Wood Doors

V-Slat Wood Louver



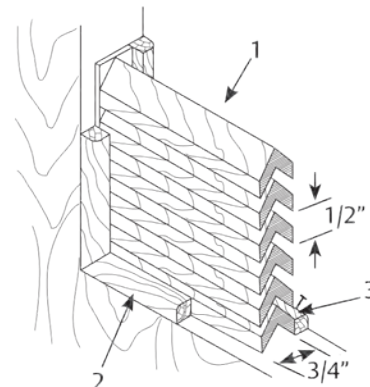
1. L100 Wood Non-Vision Louver Unit - 3/4" wide, 33% free air movement. Matching specie to door face veneer for Premium grade. For use with 1-3/4" thick doors. Specify louver size the same as cutout size. 1-3/8" thick doors require framed louvers. **Louvers may not be installed in 20 minute fire doors.**

M2W - Flat Lip Moulding 11/16" wide x 5/8" thick, 3/32" radius.

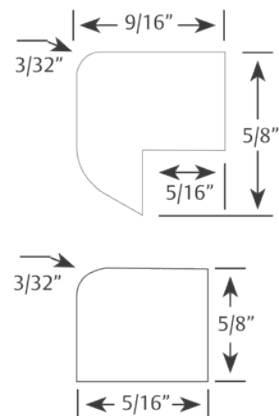
M6W - Flush Moulding 7/16" wide x 3/8" thick, 3/32" radius

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 Metal Louver

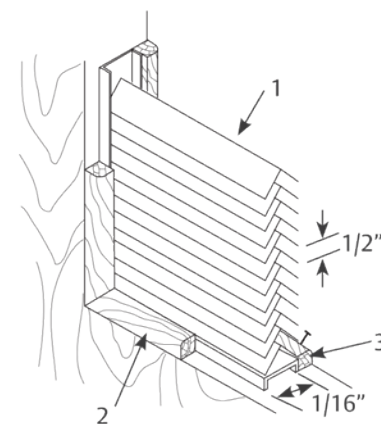


1. L600 Metal Non-Vision Louver Unit - 1-1/16" wide, 20 gauge steel, 50% free air movement. For use with 1-3/4" thick doors. 1-3/8" thick doors require framed louvers. Louver cutout is 1/8" less than order size. **Louvers may not be installed in 20 minute fire doors.**

M2M - Flat Lip Moulding 9/16" wide x 5/8" thick, 3/32" radius.

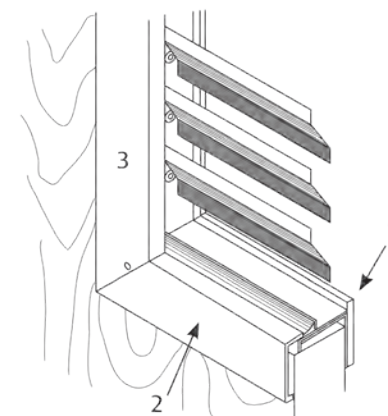
M6M - Flush Moulding 5/16" wide x 3/8" thick, 3/32" radius

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

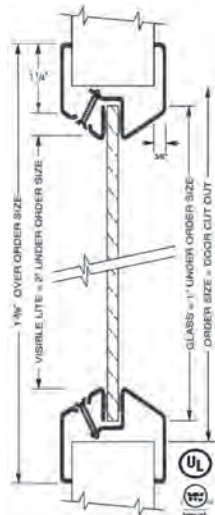
1. L1900A Framed Metal Non-Vision Louver Unit - Fire rated fusible link unit for use with 45, 60 or 90 minute fire doors. 1-3/4" wide. 135 degree F fusible link. 40% free air movement. For use with 1-3/4" thick doors only. Not factory installed. **Louvers may not be installed in 20 minute fire doors.**
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



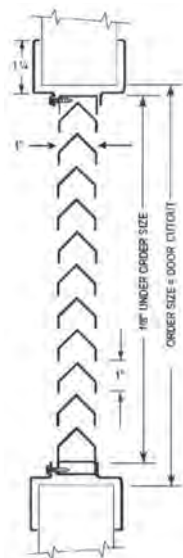
- Beveled Vision Lite
- Self-Attaching
- 20 gauge CRS Frame
- Single Side Fasteners
- For Fire Rated Doors
- Glazing marked w/ Warnock Hersey (WHI) or UL classification
- Glass Sizes: $\frac{3}{16}$ " to $\frac{1}{4}$ "
- Frame Trim: $1\frac{1}{4}$ "

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. $\frac{3}{8}$ " 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.

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

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: $1\frac{1}{4}$ "

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 $\frac{3}{4}$ " to match finish. Screws fasten through frame into louver core, leaving corridor side of frame free of fasteners.

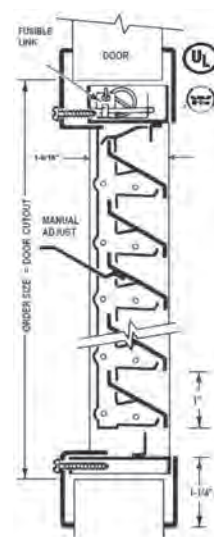
FREE FLOW AREA: 50% free area.

Size	Free Area (Sq. In.)
12" x 12"	72
18" x 12"	108
20" x 12"	120
24" x 12"	144
24" x 24"	288
24" x 36"	768

Air Louvers General Info:

- Glass is 1" under order size.
- Doors $1\frac{3}{4}$ " thick, Any Style, Door cutout = order size.
- Doors $1\frac{3}{8}$ "- $1\frac{3}{4}$ " thick, 800CORE, 800C, 800A.

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: $1\frac{1}{4}$ "

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 $\frac{3}{4}$ " to match finish. Screws fasten through frame into louver core, leaving corridor side of frame free of fasteners.

FREE FLOW AREA: 50% free area.

Size	Free Area (Sq. In.)
12" x 12"	72
18" x 12"	108
20" x 12"	120
24" x 12"	144
24" x 24"	288

Air Louvers Finish Options:

Powder Coat Finish	VLF-EZ	800-A1	1900-A
(B) Mineral Bronze	✓	✓	✓
(G) Gray (stock colors)	✓	✓	✓
(BK) Black	✓	✓	✓
(FBK) Flat Black	✓	✓	✓
(W) White	✓	✓	✓
(SC) SC Beige	✓	✓	✓
(SI) Silver	✓	✓	✓
(R) Red	✓	✓	✓
(S) Sand	✓	✓	✓
(AB) AMS Beige	✓	✓	✓
(GH) Gray Hammertone	✓	✓	✓

Anemostat

Vision Lite Kits & Non-Vision Metal Louvers

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 & FLDL only 1 3/4" doors though 1 3/8", 2" and 2 1/8" are available. **Finishes:** 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

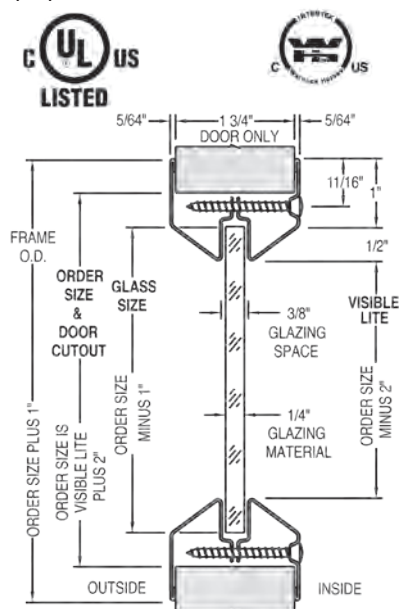
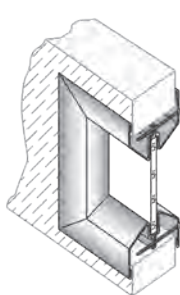
Low profile vision frame. made of 20 GA. Cold Rolled Steel. Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look. Leaves corridor side free of fasteners. For Exterior, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel. For 1 3/4" thick 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 3/8" fire and/or safety rated with U.L. and/or W.H.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. & W.H.I. classification markings Positive Pressure:

FIRE RATINGS	VISIBLE LITE	MAX. W x H
20 Minute*	3204 sq. in.	36" x 89"
45/60 Minute*	2772 sq. in.	36" x 77"
90 Minute*	1296 sq. in.	36" x 54"
3 Hour*	100 sq. in.	12" x 33"

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



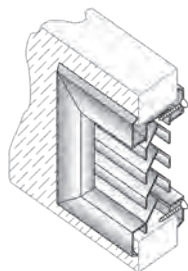
Lite Kit Size	Sq. In.	Exposed Glass Size
12" x 12"	100	10" x 10"
5" x 20"	54	3" x 18"
5" x 35"	99	3" x 33"
6" x 27"	100	4" x 25"
7" x 22"	100	5" x 20"
8" x 36"	204	6" x 34"
18" x 54"	832	16" x 52"
20" x 30"	504	18" x 28"
24" x 24"	484	22" x 22"
24" x 30"	616	22" x 28"
24" x 36"	748	22" x 34"
24" x 60"	1276	22" x 58"
24" x 64"	1364	22" x 62"
24" x 66"	1408	22" x 64"

AFDL™ INVERTED Y NON-VISION METAL LOUVER

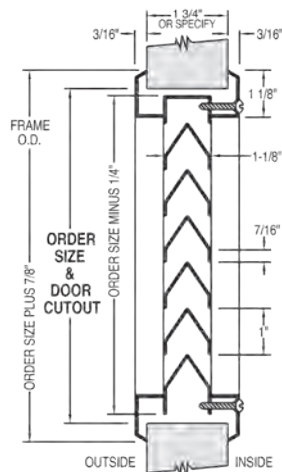
Inverted Y louver non vision louver. 18 GA. Cold Rolled Steel, Frame. 22 GA. Cold Rolled Steel Louver Blades. Louver core may be offset. For Use anywhere air flow is required thru a door, Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

FREE AIR FLOW: 50% Free Area.

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



Size	Free Area (Sq. In.)
12" x 12"	72
18" x 12"	108
24" x 12"	144
24" x 24"	288

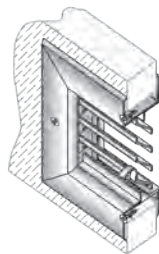


FLDL™ UL FUSIBLE LINK METAL LOUVER

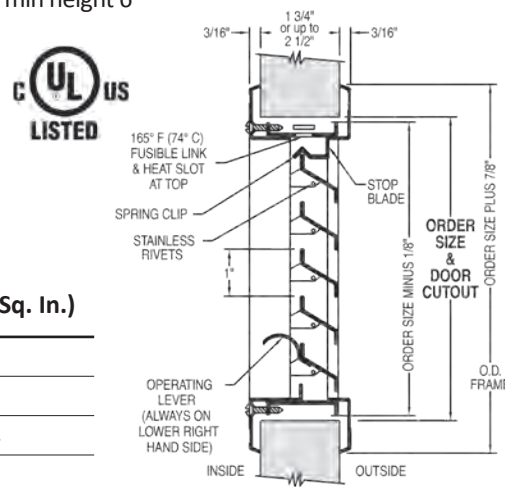
Inverted split Y louver non vision louver., UL approved. 18 GA. Cold Rolled Steel, Frame. 22 GA. Cold Rolled Steel Louver Blades. For use anywhere air flow is required thru a door, Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

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"



Size	Free Area (Sq. In.)
12" x 12"	72
18" x 12"	108
24" x 12"	144
24" x 24"	288



Glass & Glazing Material

FireLite[®] NT



FIRE-RATED

HOSE STREAM TESTED

IMPACT-RATED

POSITIVE PRESSURE TESTED



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

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

WireLite[®] NT



FIRE-RATED

HOSE STREAM TESTED

IMPACT-RATED

POSITIVE PRESSURE TESTED



GENERAL CHARACTERISTICS

Thickness: Nominal 1/4" overall

Weight: 3.79 lb / ft²

Approx. Visible Transmission: 77%

FIRE RATING: 20, 45, 60 and 90 min

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 16CFR1201 (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*

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 Glass - Stock

FIRE RATING	SIZE
3 Hour	11" x 11" x 3/16"
90 Min	11" x 11" x 3/16"
90 Min	5" x 26" x 3/16"
90 Min	6" x 21" x 3/16"

WireLite Glass - Stock

FIRE RATING	SIZE
3 Hour	11" x 11" x 3/16"
90 Min	11" x 11" x 3/16"
90 Min	5" x 26" x 3/16"
90 Min	6" x 21" x 3/16"

Clear Tempered Glass and Clear Laminated Glass - Stock

SIZE	LAMINATED SBS PART #
5" x 5" x 1/4"	109005
11" x 11" x 1/4"	109030
5" x 26" x 1/4"	109031
4" x 34" x 1/4"	109000
4" x 19" x 1/4"	109006
6" x 21" x 1/4"	109008
7" x 35" x 1/4"	109001

Call for sizes, stock and lead time.

SIZE	LAMINATED SBS PART #
19" x 29" x 1/4"	109003
23" x 23" x 1/4"	109032
23" x 29" x 1/4"	109033
23" x 35" x 1/4"	109034
23" x 59" x 1/4"	109054
23" x 61" x 1/4"	109009
23" x 63" x 1/4"	*
23" x 65" x 1/4"	109010

FireLite^{PLUS}

FIRE-RATED, SAFETY-RATED GLASS CERAMIC

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



Double Action Doors

Custom Built For:

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



SCP6



SCP8



SCP12



SCP Cafe

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.



ENG1



HCG10



LWP Gate



P11 Plus

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 1-3/4" 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

	Hinge Type Min. Cycle Requirements
Hinges are placed into three groups:	
1. Heavy Weight - Ball Bearing	= 2,500,000
2. Standard Weight - Ball Bearing	= 1,500,000
3. Standard Weight - Plain Bearing	= 350,000

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.

HEIGHT OF HINGE		
Thickness of Door	Width of Door	Height of Hinge
1-3/8"	To 32"	3-1/2"
1-3/8"	32" to 36"	4"
1-3/4"	To 36"	4-1/2"
1-3/4"	36" to 48"	5"
1-3/4"	Over 48"	6"
2", 2-1/4" & 2-1/2"	To 42"	5" Heavy Weight
2", 2-1/4" & 2-1/2"	Over 42"	6" Heavy Weight

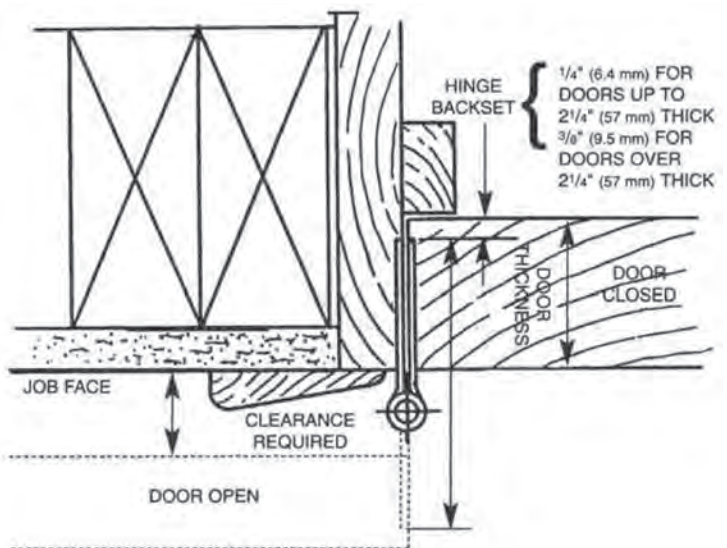
Width of Hinge

There are three dimensions to know in order to determine the minimum width of the hinge: door thickness, hinge backset, and clearance required.

1. When figuring the calculations for a wood door and wood frame, the door is flush with the casing or face of the frame. When figuring the calculations for a wood or metal door with a hollow metal frame, the door is inset approximately 1/8".

2. For doors up to 2-1/4" thick, the hinge backset is 1/4" from the back face of the door.
3. For doors over 2-1/4" thick, the hinge backset is 3/8" from the back face of the door.

Once these dimensions are known, the formula can then be applied. **Take the door thickness, subtract the backset, multiply by two, and add the clearance required.** If the hinge size is not standard, then go to the next larger hinge width. If the width of the hinge is greater than the height of the hinge [example: 4-1/2" x 6"] this is referred to as a wide throw hinge. This would apply only to full mortise hinges.



MINIMUM WIDTH OF HINGE			
Door Thickness	Standard Backset	Max. Clearance Provided	Width of Hinge
1-3/8"	1/4"	1-1/4", 1-3/4"	3-1/2", 4"
1-3/4"	1/4"	1", 1-1/2", 2", 3"	4", 4-1/2", 5", 6"
2"	1/4"	1", 1-1/2", 2-1/2"	4-1/2", 5", 6"
2-1/4"	1/4"	1", 2"	5", 6"
2-1/2"	3/8"	3/4", 1-3/4"	5", 6"

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) - (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) - (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) - (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



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

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



Application: ANSI A8112

Material: Steel with Steel Pin

SIZE	GAUGE OF METAL	HOLE COUNT	SCREW SIZE (MACHINE)	SCREW SIZE (WOOD)
2" x 2"	0.083	4	-	3/4 x 8
2-1/2" x 2-1/2"	0.089	6	-	"
3" x 3"	0.097	6	-	1 x 9
3-1/2" x 3-1/2"	0.119	6	1/2 x 10-24	"
4" x 4" & 4" x 4" NRP	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2" x 4", 4-1/2" x 4-1/2" & NRP	0.134	8	1/2 x 12-24	1-1/4 x 12
5" x 4", 5" x 4-1/2", & 5" x 5"	0.145	8	1/2 x 12-24	1-1/4 x 12
6" x 4-1/2", 6" x 5", & 6" x 6"	0.160	10	1/2 x 1/4-20	1-1/2 x 14

Finishes: LS, HSH, USP, US3, US4, US10, US10A, US10B, US15, US26, US26D

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



Application: ANSI A8112

Material: Steel with Steel Pin

SIZE	GAUGE OF METAL	HOLE COUNT	SCREW SIZE (MACHINE)	SCREW SIZE (WOOD)
3-1/2" x 3-1/2"	0.119	6	1/2 x 10-24	1-1/4 x 12
4" x 4" & 4" x 4" NRP	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2" x 4", 4-1/2" x 4-1/2" & NRP	0.134	8	1/2 x 12-24	1-1/4 x 12
5" x 4", 5" x 4-1/2", & 5" x 5"	0.145	8	1/2 x 12-24	1-1/4 x 12
6" x 4-1/2", 6" x 5" & 6" x 6"	0.160	10	1/2 x 1/4-20	1-1/2 x 14

Finishes: LS, HSH, USP, US3, US4, US10, US10A, US10B, US15, US26, US26D

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



SIZE	ITEM	DESCRIPTION	GAUGE	FINISH
4-1/2" x 4-1/2"	B1279 DCH4H	Heavy Weight, Two Ball Bearing	0.134	US26D
4-1/2" x 4-1/2"	B1279 PC4H	Heavy Weight, Two Ball Bearing	0.134	USP
4-1/2" x 4-1/2"	B1299 DCH4H	Extra Heavy Weight, Four Ball Bearing	0.180	US26D

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

SIZE	GAUGE OF METAL	HOLE COUNT	SCREW SIZE (MACHINE)	SCREW SIZE (WOOD)
4-1/2" x 4"	0.180	8	1/2 x 12-24	1-1/4 x 12
4-1/2" x 4-1/2"	0.180	8	"	"
5" x 4"	0.190	8	"	"
5" x 4-1/2"	0.190	8	"	"
5" x 5"	0.190	8	"	"
6" x 4-1/2"	0.203	10	1/2 x 1/4-20	1-1/2 x 14
6" x 5"	0.203	10	"	"
6" x 6"	0.203	10	"	"



BB1199 Model

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

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

Finishes: US3, US4, US10, US10B, US15, US26, US26D, US32, US32D

BB1168 Model

Application: ANSI A8111

Material: Steel with Steel Pin

Finishes: LS, USP, US3, US10, US10A, US10B, US15, US26, US26D

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



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

TA2314 / TA2714 – Five Knuckle, Ball Bearing

SIZE	GAUGE OF METAL	HOLE COUNT	SCREW SIZE (MACHINE)	SCREW SIZE (WOOD)
3-1/2" x 3-1/2"	0.123	6	1/2 x 10-24	1 x 10
4" x 4"	0.130	8	1/2 x 12-24	1-1/4 x 12
4-1/2" x 4"	0.134	8	"	"
4-1/2" x 4-1/2"	0.134	8	"	"
5" x 4-1/2"	0.146	8	"	"

SIZE	ITEM	FINISH
4" x 4"	TA2714	US26D
4" x 4"	TA2714	US10B
4" x 4"	TA2714	US3

TA2314 Model

Application: ANSI A5112

Material: Stainless

TA2314 Model

Application: ANSI A2112

Material: Brass

TA2714 Model

Application: ANSI A8112

Material: Steel

Finishes: USP, US2C, US2G, US3, US4, US10, US10B, US14, US15, US15A, US26, US26D



MCKINNEY FINISH CHART				
McKinney	Description	Steel	Brass & Bronze	Stainless Steel
US3	Bright Brass	632	605	-
US4	Dull Brass	633	606	-
US10	Dull Bronze	639	612	-
US10B	Antique Bronze, Oiled	640	613	-
US14	Bright Nickel Plated	645	618	-
US15	Dull Nickel Plated	646	619	-
US26	Bright Chromium	651	625	-
US26D	Dull Chromium	652	626	-
US32	Polished Stainless Steel	-	-	629
US32D	Dull Stainless Steel	-	-	630
USP	Prime Coat	600	-	-

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



Description:

- Beveled surface leaves
- Reversible
- Through bolts & grommets for wood door applications

BB2171 Model

Application: ANSI A8312

Material: Steel with Steel Pin

Finishes: USP, US10, US10A, US10B, US26D

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

HINGE SIZE	GAUGE OF METAL	HOLE COUNT	DOOR LEAF SCREW SIZE (MACHINE)	JAMB LEAF SCREW SIZE (WOOD)	DOOR LEAF WIDTH "A"	JAMB LEAF WIDTH "B"	JAMB LEAF OFFSET "C"	JAMB LEAF OFFSET "D"
4-1/2"	0.134	6	2 x 1/4 - 20 OH	1/2 x 12 - 24 OH	2 9/16	1 1/2	1/2	3/8
5"	0.145	8	2 x 1/4 - 20 OH	1/2 x 12 - 24 OH	2 7/8	1 1/2	1/2	3/8

Heavy weight hollow metal or wood composite doors receiving high frequency use.
BB2109 / BB2169 – Five Knuckle, Four Ball Bearing



Description:

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

BB2109 Model

Application: ANSI A2312 (Brass) & ANSI A5311 (Stainless Steel)

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

Finishes: US10, US10B, US26D, US32D

BB2169 Model

Application: ANSI A8312

Material: Steel with Steel Pin

Finishes: USP, US10, US10A, US10B, US26D

HINGE SIZE	GAUGE OF METAL	HOLE COUNT	DOOR LEAF SCREW SIZE (MACHINE)	JAMB LEAF SCREW SIZE (WOOD)	DOOR LEAF WIDTH "A"	JAMB LEAF WIDTH "B"	JAMB LEAF OFFSET "C"	JAMB LEAF OFFSET "D"
4-1/2"	0.180	8	2 x 1/4 - 20 OH	1/2 x 12 - 24 OH	2 9/16	1 1/2	9/16	7/16
5"	0.190	8	2 x 1/4 - 20 OH	1/2 x 12 - 24 OH	2 7/8	1 1/2	9/16	7/16
6"	0.203 (B & S) 0.190 (SS)	9	2 x 1/4 - 20 OH	1/2 x 12 - 24 OH	2 1/4	1 1/2	5/8	1/2

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

1173 Model

Application: ANSI A8433

Material: Steel with Steel Pin

Finishes: USP, US10, US10A, US10B, US26D

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



Half Mortise Hinges

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

BB1129 / BB1109 – Five Knuckle, Two Ball Bearing

SIZE	GAUGE OF METAL	HOLE COUNT	DOOR LEAF SCREW SIZE (MACHINE)	JAMB LEAF SCREW SIZE (WOOD)
4-1/2"	0.134	7	1/2 x 12 - 24 OH	1/2 x 12 - 24 OH
5" *	0.145	8	1/2 x 12 - 24 OH	1/2 x 12 - 24 OH

HINGE SIZE	DOOR LEAF WIDTH "A"	JAMB LEAF WIDTH "B"	JAMB LEAF OFFSET "C"
4-1/2"	2	1 1/2	3/8
5" *	2	1 1/2	3/8

* Size not available in BB1129 series

BB1129 Model

Application: ANSI A8212 (Steel)

Material: Steel with Steel Pin

Finishes: US10, US10B, US26D, US32D

BB1109 Model

Application: ANSI A2211 (Brass)

ANSI A5211 (Stainless Steel)

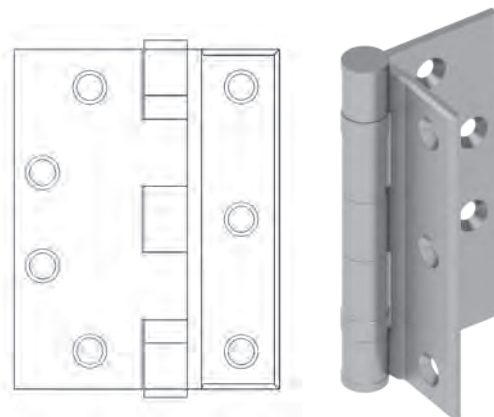
Material: Brass with Stainless Steel Pin or

Stainless Steel with Stainless Steel Pin

Finishes: US10, US10B, US26D, US32D

Description:

- Beveled surface leaves
- Reversible



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

BB2098 / BB1138 – Five Knuckle, Four Ball Bearing

SIZE	GAUGE OF METAL	HOLE COUNT	DOOR LEAF SCREW SIZE (MACHINE)	JAMB LEAF SCREW SIZE (WOOD)
4-1/2"	0.180	7	1/2 x 12 - 24 FH	1/2 x 12 - 24 OH
5"	0.190	8	1/2 x 12 - 24 FH	1/2 x 12 - 24 OH
6"	0.203 (B & S) 0.190 (SS)	9	1/2 x 12 - 24 FH	1/2 x 12 - 24 OH

HINGE SIZE	DOOR LEAF WIDTH "A"	JAMB LEAF WIDTH "B"	JAMB LEAF OFFSET "C"
4-1/2"	2 1/16	1 1/2	7/16
5"	2 1/16	1 1/2	7/16
6 x 1 3/4"	2 1/8	1 1/2	1/2

BB2098 Model

Application: ANSI A8212 (Steel)

Material: Stainless Steel with Stainless Steel Pin

Finishes: US10, US10B, US26D, US32D

BB1138 Model

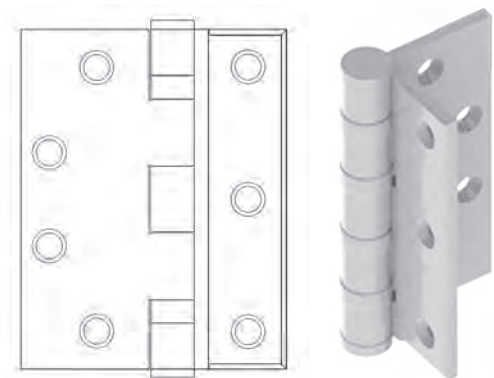
Application: ANSI A8211 (Steel)

Material: Steel with Steel Pin

Finishes: USP, US10, US10A, US10B, US26D

Description:

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



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.



SERIES	SIZE	DOOR WT. (LBS)	SPRING HINGE	BALL BEARING HINGE
1150	4-1/2 x 4 & 4-1/2 x 4-1/2	70	1	2
1150	4-1/2 x 4 & 4-1/2 x 4-1/2	115	2	1
1150	4-1/2 x 4 & 4-1/2 x 4-1/2	150	3	---
1250	4-1/2 x 4 & 4-1/2 x 4-1/2	70	1	2
1250	4-1/2 x 4 & 4-1/2 x 4-1/2	115	2	1
1250	4-1/2 x 4 & 4-1/2 x 4-1/2	150	3	---
1256	4-1/2 x 4-1/2	115	2	1
1255	4-1/2 x 4-1/2	115	2	1

1250 / 1150 Models

Application: ANSI K8171F

Material: Steel with Steel Components

1250 Finishes: USP, US3, US4, US10, US10A, US10B, US26D

1150 Finishes: US32, US32D

EC1105 Model

Application: For use on 1 3/4" doors

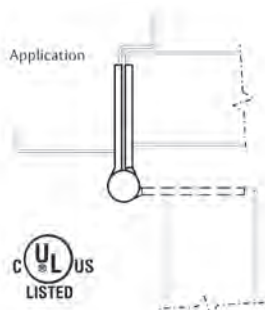
- Recommended maximum door weight 180 lbs.
- For maximum versatility use all spring hinges or a combination of spring hinges and ball bearing hinges. Do not use plain bearing hinges.

- Full spring tension may not be required on all hinges
- Strong wind conditions, drafts, carpeting drag, twisted/misaligned frames, or weatherstripping on doors may require additional spring hinges

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

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

McKinney®



SIZE	SERIES	FINISH
4" x 4"	1502	US26D
4" x 4"	1502	US10B
4" x 4"	1502	US3

Finishes: USP, US2C, US2G, US3, US4, US10, US10B, US14, US15, US15A, US26, US26D

1502 Model

Application: ANSI 81081 / K81981

Material: Steel

1552 Model

Application: ANSI 51071 / K51071F

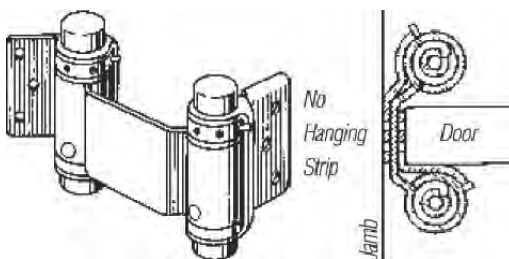
Material: Stainless Steel

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).



ITEM #	DESCRIPTION	FINISH
070 PC4	4" Medium Duty 50 lbs. Doors 3/4" to 1 1/4" Thick	Prime Coat
070 PC6	6" Heavy Duty 70 lbs. Doors 1 1/4" to 1 3/4" Thick	Prime Coat
070 SPB6	6" Heavy Duty 70 lbs. Doors 1 1/4" to 1 3/4" Thick	Sprayed Brass

Finishes: Zinc Plate, Sprayed Brass, Prime Coat





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.



BB1260



BB1266

Swing Clear Hinges

Full Mortise, Half Mortise and Full Surface

Location of Hinges on Doors

- Top** 5" from frame rabbet to top of barrel.
Bottom 10" from bottom edge of barrel of finished floor.
Third Centered between top and bottom hinges.

The above is U.S. Standards procedure.

ITEM	HINGE TYPE		MATERIAL	EDGE	DOOR NOTES	FINISHES	SIZES
AB7501	Full Mortise Three Knuckle	Concealed Anti-Friction Bearing, Heavy Weight	Steel w/Steel Pin ANSI A8121	Square	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	4-1/2" 5"
AB7502	Full Mortise Three Knuckle	Concealed Anti-Friction Bearing, Heavy Weight	Steel w/Steel Pin ANSI A8121	Beveled	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	4-1/2" 5"
AB7511	Half Mortise Three Knuckle	Concealed Anti-Friction Bearing, Heavy Weight	Steel w/Steel Pin ANSI A8221	Square	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	5"
AB7512	Half Mortise Three Knuckle	Concealed Anti-Friction Bearing, Heavy Weight	Steel w/Steel Pin ANSI A8121	Beveled	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	5"
AB7523	Full Surface Three Knuckle	Concealed Anti-Friction Bearing, Heavy Weight	Steel w/Steel Pin ANSI A8321	Square	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	5"
BB1260	Full Mortise Five Knuckle	Two Ball Bearing Heavy Weight	Steel w/Steel Pin ANSI A8121	Square	NRP, RH std (reversible to LH), Door projects 3/32" past stop of jamb	USP, US3, US4, US10, US10A, US10B, US26, US26D	4-1/2" 5"
BB1262	Full Mortise Five Knuckle	Four Ball Bearing Heavy Weight	Steel w/Steel Pin ANSI A8121	Square	NRP, RH std (reversible to LH), Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	4-1/2" 5"
BB1263	Full Mortise Five Knuckle	Four Ball Bearing Heavy Weight	Steel w/Steel Pin ANSI A8121	Beveled	NRP, RH std (reversible to LH), Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	4-1/2" 5"
BB1266	Full Surface Five Knuckle	Four Ball Bearing Heavy Weight	Steel w/Steel Pin ANSI A8321	Beveled	NRP, Reversible, Door projects 11/64" past stop of jamb	USP, US10, US10A, US10B, US26D	5"



Full Mortise Swing Clear Hinges

IVES FINISH CHART		Visit www.us.allegion.com for more finish options.			
IVES	Description	Alum	Brass & Bronze	Steel	Stainless Steel
US3	Bright brass plated, clear coated	666	605	632	-
US4	Satin brass plated, clear coated	667	606	-	-
US5	Satin brass plated, blackened	609	-	638	-
US10	Satin bronze, clear coated	-	612	693	-
US10A	Satin bronze plated, clear coated	668	-	-	-
US10B	Dark oxidized satin bronze, oil rubbed finish	703	613	640	-
US14	Bright nickel plated, clear coated	669	618	-	-
US15	Satin nickel plated, clear coated	670	619	646	-
US26	Polished chrome plated	-	625	-	-
US26D	Satin chrome plated	702/713	626	652	-
US32	Polished stainless steel	-	-	-	629
US32D	Satin stainless steel	-	-	-	630/654
USP	Primed for paint - steel	-	-	600	-
2C / 2G	Zinc plated	-	-	603	-
313AN	Dark bronze anodized	710	-	-	-
FP	Primed for paint	-	P600	600	-
SP4	Brass	-	706	706	-
SP28	Aluminum painted	-	689	689	-
SP313	Dark bronze painted	-	695	695	-
SPBLK	Black painted	-	693	693	-



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	ITEM	HINGE TYPE			MATERIAL		EDGE	DOOR NOTES	FINISHES	SIZES
IVES	5BB1SC	Full Mortise Five Knuckle	Two Ball Bearing, Medium Weight/Medium Frequency	Steel ANSI A8122	Stainless Steel ANSI A5122	Brass ANSI A2122	Square	92 Degrees, NRP, B, HT, RC, SEC	See MFRs Catalog	4-1/2" 5"
IVES	5BB1SCHW	Full Mortise Three Knuckle	Two Ball Bearing, Heavy Weight/High Frequency	Steel ANSI A8121	-	-	Square/Beveled	92 Degrees, NRP, B, HT, RC, SEC	See MFRs Catalog	4-1/2" 5"

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.
- Pins 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

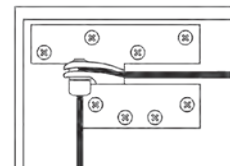
- Chromium plating is applied over a plating of nickel.
- This method conforms strictly to requirements listed in ANSI/BHMA Standard A156.18.
- Chromium does not tarnish. The nickel underneath affords considerable rust protection but for absolute assurance against rusting, only nonferrous metals should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



ITEM	HINGE SIZE	GAUGE OF METAL	SCREW SIZE (Machine)	SCREW SIZE (Wood)	+ PROJECTION FROM \bar{C} OF PIVOT	DOOR THICKNESS
251*	3-1/2"	0.187	3/4 x 1/4-20	1-1/4 x 14	5/8" (16 mm)	1-3/8"
252	4"	0.187	3/4 x 1/4-20	1-1/4 x 14	1/2" (12.5 mm)	1-3/4"
253	4-1/2"	0.187	3/4 x 1/4-20	1-1/4 x 14	3/4" (19 mm)	1-3/4"
254	5"	0.187	3/4 x 1/4-20	1-1/4 x 14	1" (25 mm)	1-3/4"

* 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



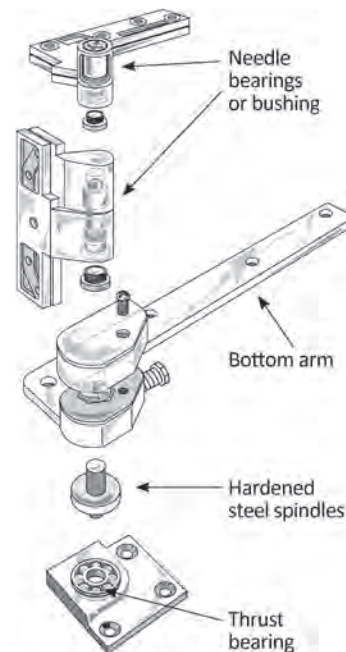
RIXSON®**ASSA ABLOY**

Pivot Hinges & Pivot Sets

Pivot Hinges

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. Pivots in this section are for door hanging means only. For door control see door closer catalog sections.



RIXSON Set No.	Door Application								Fire Rated		Mount Type			Recommended Intermediate Pivot
	Center Hung	Door Weight (lbs.)		Door must have Radius	Standard Top Pivot	Handed	Interior	Exterior	To 3hrs	20 Min	Jamb	Cement Floor	Floor Surface	
		¾" Offset	1-½" Offset						Door Limit 650 lbs.					
127 ¾	✓	200		Pivot Edge	320		✓		Not Allowed		✓			
128 ¾	✓	250		Pivot Edge	320		✓		Not Allowed				✓	
117 ¼		250		⅛" in 2"	180	✓			N/A		✓			
117		300	150	⅛" in 2"	180	✓			✓	✓			✓	FM19
370	✓	500		Pivot Edge	340		✓	✓	Not Allowed				✓	
117 ¾	✓	600		Pivot Edge	340		✓	✓	Not Allowed				✓	
147		600	350	⅛" in 2"	180	✓	✓	✓	✓	✓			✓	M19

Item	Finish	SBS Stock #
128-¾ LH	626	631000
117 LH	626	-
117-¼ LH	626	-
370	626	631001
147	626	-

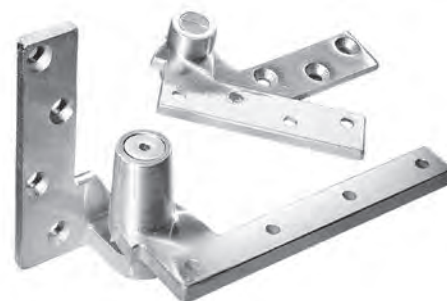


Features

- Long-life and trouble-free operation
- Door weight up to 1000 lb
- Center hung, 3/4" offset, 1-1/2" offset and pocket door pivots available
- Different styles available
- Variety of applications and finishes

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.

**IVES®**

7200 Series Pivot Sets



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.

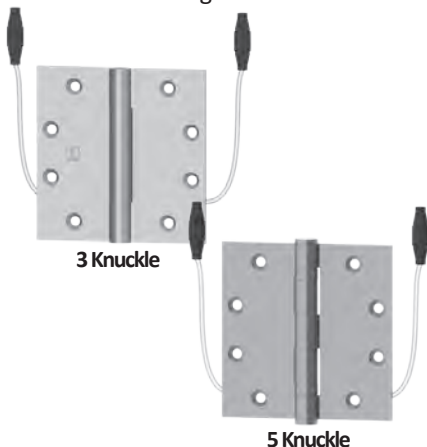


Electric Hinges



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

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



ETW & ETM: WIRE MAX. ELECTRICAL RATING
Continuous - 3.5 Amps
Pulse - 16.0 Amps
Volts - 48 VDC

ETM Only: SWITCH MAX ELECTRICAL RATING
30 VDC @ .500 Amps

	ETW (Electric Through-Wire)	ETM (Electric Through-Wire w/Monitoring)	
Available on:	<ul style="list-style-type: none"> Four continuous electric conductors (28 gauge wire) Available in 4" through 8" full mortise ball bearing 	<ul style="list-style-type: none"> BB1168 BB1191 	<ul style="list-style-type: none"> BB1199 BB1279
Material:	Steel, Brass, or Stainless Steel	Steel, Brass, or Stainless Steel	
Sizes:	4" x 4", 4-1/2" x 4-1/2", 5" x 5"	Standard size available 4" through 8"	
Notes:	<ul style="list-style-type: none"> 18, 22 or 28 gauge wires Hinge pins are not field removable NRP not necessary Low voltage electric current transfer capability only 4, 8, or 12 continuous electric conductors ETW - 2 (18GA), ETW-6-1828 (2-18GA, 4-28GA), ETW-8-1828 (2-18GA, 6-28GA)	<ul style="list-style-type: none"> 28 gauge wire No NRP, Hinge pins are not field removable Both continuous electric conductors & monitoring capabilities Concealed monitor switch 4, 8, or 10 continuous electric conductors Adjustable feature for a wide range of switch sensitivity For open loop secure, closed loop secure, or single pole double throw (SPDT) 	
To Order:	Specify using symbol "ETW" as suffix	Specify using symbol "ETM" as suffix	

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



RC1741 Model

Application: ANSI A8134

Material: Steel with Steel Pin

Description:

Reversible
Round corners 1/4" radius
Removable pin



1741 Model

Application: ANSI A5134

Material: Steel with Steel Pin

Description:

Reversible
Round corners 1/4" radius
Removable pin

HAGER RESIDENTIAL HINGES - FINISH CHART

Hager	Description	Brass & Bronze	Steel	Stainless Steel
1D	Flat Black	631	-	-
2D	Brass Tone Dichromate	604	-	-
2CD	Brushed Zinc Plate	-	-	-
H2H x BP	Mechanical Galvanized	-	-	-
3	Bright Brass	632	605	-
3LB	Light Brass	-	-	-
4	Satin Brass	633	606	-
10A/US11	Antique Bronze, Lacquered	641/643	614	-
10R	Matte Lacquered Antique Bronze	-	-	-
15	Satin Nickel	646	619	-
26	Bright Chromium Plated	651	625	-
26D	Satin Chromium Plated	652	626	-
32	Stainless Steel Metal, Bright	-	-	629
32D	Stainless Steel Metal, Satin	-	-	630
32D x CLR	Stainless Steel Metal, Satin, clear	-	-	630
P	Prime Coat - Beige	600	600	-
ABA/US5	Antique Brass	638	609	-
AN/US15A	Antique Nickel	647	620	-

HAGER	HINGE SIZE	GAUGE OF METAL	HOLE COUNT	PIN DIAMETER	SCREW SIZE (WOOD)	AVAILABLE FINISHES
1741	3" x 3"	0.085	6	0.234	3/4 x 9 FH	P, 2D, 3, 10A, 26, 26D
1741	3-1/2" x 3-1/2"	0.085	6	0.234	3/4 x 9 FH	P, 1D, 2D, 3, 3LB, 4, 5, 10A, 10R, 15, 15A, 26, 26D
1741	4" x 4"	0.085	8	0.234	3/4 x 9 FH	P, 1D, 2D, 4, 5, 10A, 10R, 15, 15A, 26, 26D



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

HAGER	WEIGHT	FINISH	SIZE
780-041	Heavy	Varies	*
780-041	Lead Lined	Varies	*
780-111	Standard	Varies	*
780-112	Standard	Varies	*
780-112	Heavy	Alum	95"
780-112	Heavy	DBrnz	95"
780-134	Standard	Varies	*
780-224	Standard	Varies	*
780-224	Heavy	Alum	83"
780-224	Heavy	DBrnz	83"
780-224	Heavy	Alum	95"
780-224	Heavy	DBrnz	95"



Full Surface Hinges

Clearance: 1/32" hinge side
Standard lockside clearance

Clearance for 780-210 only: 1-5/8" min frame face
3/16" rotational 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

Fire Rating: Up to 3 hr metal, 90 min wood composite

HAGER	WEIGHT	FINISH	SIZE
780-057	Heavy	Varies	*
780-157	Light	Alum	83"
780-157	Heavy	Alum	83"
780-157	Heavy	DBrnz	83"
780-157	Heavy	Alum	95"
780-157	Heavy	DBrnz	95"
780-210	Standard	Varies	83"
780-210	Light	Varies	95"
780-210	Heavy	Varies	83"
780-210	Heavy	Alum	83"



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
#12-24 x 11/16" Flat head self-drill screws

Half Surface 780-045

Clearance: 1/32" hinge side
9/32" inset

Application: Security molding

Fire Rating: Call MFG

Electric Modifications: Power Transfer Prep (EPT 2) or (EPT 10)

Half Surface 780-054

Clearance: 5/32" hinge side

Fire Rating: Up to 3 hr metal, 90 min wood composite

Electric Modifications: Power Transfer Prep (EPT 2) or (EPT 10)

HAGER	WEIGHT	FINISH	SIZE
780-045	Varies	Varies	*
780-054	Varies	Varies	*

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



SELECT	WT	FINISH	SIZE
SL5383CLH	Varies	Clear	83"
SL5383BR	Varies	Clear	83"
SL5783CL	Varies	Bronze	83"

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.

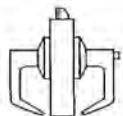


Cylindrical Locks

BEST

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

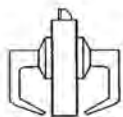
KEYLESS



BHMA #F76
8K/9K - Grade 1
6K/7K - Grade 2

L Function Privacy Lock

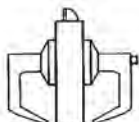
Latchbolt operated by knob from either side. Outside knob is locked by push button inside and unlocked by emergency key outside, rotating inside knob or by closing door.



BHMA #F75
8K/9K - Grade 1
6K/7K - Grade 2

N Function Passage Lock

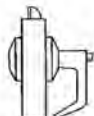
Latchbolt operated by knob from either side at all times.



BHMA #F77
8K/9K - Grade 1
6K - Grade 2

P Function Patio Lock

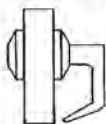
Latchbolt operated by knob from either side. Outside knob is locked by push button inside and unlocked by rotating inside knob or by closing door.



9K - Grade 1
6K/7K - Grade 2

Y Function Exit Lock

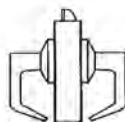
Blank outside rose, inside knob free.



9K - Grade 1
6K/7K - Grade 2

1DT Function Single Dummy Trim

Surface mounted single matching knob for inactive door or non-latching door.

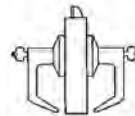


9K - Grade 1
6K/7K - Grade 2

2DT Function Double Dummy Trim

Thru bolt mounted pair of matching knobs for inactive door or non-latching door.

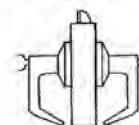
DOUBLE KEYED



BHMA #F88
8K/9K - Grade 1

C Function Apartment Lock

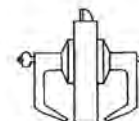
Deadlocking latchbolt operated by knob from either side, except when outside knob is locked by key from inside. When outside knob is locked, latchbolt may be retracted by key outside or by rotating inside knob.



BHMA #F91
8K/9K - Grade 1

G Function Store Lock

Deadlocking latchbolt operated by knob from either side, except when both knobs are locked by key in knob from either side.



BHMA #F80
8K/9K - Grade 1

S Function Communicating Lock

Deadlocking latchbolt operated by knob from either side. Turning key in either knob locks or unlocks its own knob independently.



BHMA #F87
8K/9K - Grade 1

W Function Institutional Lock

Deadlocking latchbolt operated by knob from either side. Both knobs always fixed.

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.

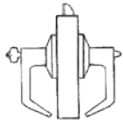


BEST

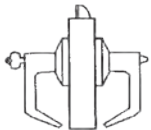
Cylindrical Locks

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

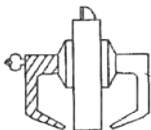
SINGLE KEYED

BHMA # F81
7K - Grade 2**A Function
Entry Lock**

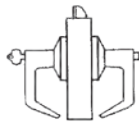
Deadlocking latchbolt operated by lever either side except when outside lever is locked by inside turnbutton. When outside lever is locked, latchbolt is operated by key or rotating inside lever. Turnbutton must be manually rotated to unlock outside lever.

BHMA #F81
8K/9K - Grade 1
6K - 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**D Function
Storeroom Lock**

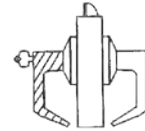
Deadlocking latchbolt operated by key in outside knob or by rotating inside knob. Outside knob is always fixed.

BHMA #F92
8K/9K - Grade 1
6K - 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 #F93
8K/9K - Grade 1**H Function
Hotel Guest Room Lock**

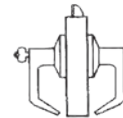
Outer knob always inoperative. Deadlocking latchbolt operated by inside knob at all times or by key in outer knob except when inside push is depressed. Depressing push button operates large visual indicator in outer knob showing room is occupied, and blocking operative keys. Removing core with control 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.



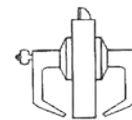
8K/9K - Grade 1

HJ Function**Hotel Guest Room Lock (no indicator)**

Outer knob always inoperative. Deadlocking latchbolt operated by inside knob at all times or by key in outer knob except when inside push button is depressed. Depressing push button blocks operating 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 #F84
8K/9K - Grade 1
6K/7K - Grade 2**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 # F90
8K/9K - Grade 1**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.



GN Design



SPA Design



AT Design



TUB Design

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

6 pin solid brass "C": keyway standard. Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Corbin-Russwin L4, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and Cal-Royal (HSK) High Security Cylinders.

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.

CAL-ROYAL
P R O D U C T S, I N C.

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.



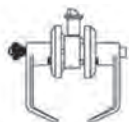


Mortise Leversets

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)



STORE LOCK NON-CLUTCH Deadlocking latch bolt operated by lever from either side, except when both levers are locked by key in lever from either side. (Non Clutch)



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.



COMMUNICATING LOCK

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



STOREROOM LOCK

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



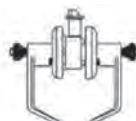
VESTIBULE

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.



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.



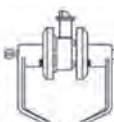
INSTITUTION

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



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.



DUMMY 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

US3, US4, US10, US10B, US26D, US26, US32D

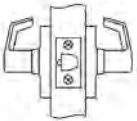
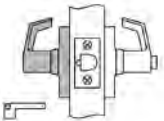
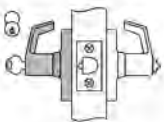
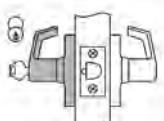
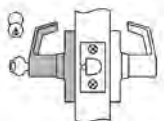
Trim Options



Cylindrical Lever Locksets

Functions



OUTSIDE / INSIDE	SERIES FUNCTION	TYPE	ANSI NO.	FUNCTION DESCRIPTION
	CL3310	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by lever either side. Both levers always free.
	CL3320	Privacy Bedroom or Bathroom	F76A	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.


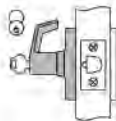

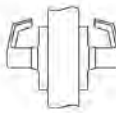


Indicates freewheeling lever in locked position.



Cylindrical Lever Locksets

Functions

OUTSIDE / INSIDE	SERIES FUNCTION	TYPE	ANSI NO.	FUNCTION DESCRIPTION
	CL3380	Passage Lever x Blank Plate	F111	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	—	<ul style="list-style-type: none"> • Lever acts as pull only; no operation. • Lever is rigid.
	CL3370	Full Dummy Trim	—	<ul style="list-style-type: none"> • 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.


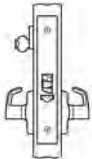

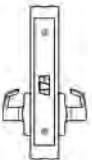
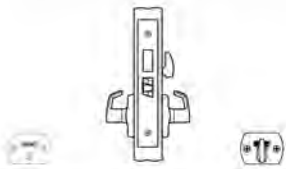








Indicates freewheeling lever in locked position.

Mortise Locksets

ML2000 Series



OUTSIDE / INSIDE	SERIES FUNCTION	TYPE	ANSI NO.	FUNCTION DESCRIPTION
  	ML2003 HSS	Classroom	—	<ul style="list-style-type: none"> • 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 VR HSS	Passage or Closet	F01	<ul style="list-style-type: none"> • Latchbolt by grip either side. • Both grips always free.
	ML2020 VR HSS	Privacy Bedroom or Bathroom	F02	<ul style="list-style-type: none"> • Latchbolt by grip* 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 VR HSS	Entrance or Storeroom	F21	<ul style="list-style-type: none"> • Latchbolt by grip* 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 VR	Entrance or Apartment	F08 F10	<ul style="list-style-type: none"> • 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 <p>Note: Indicator shows deadbolt position only</p>

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



Indicates Indicator option is available



Function available in Vandal Resistant Trim



Function available in Anti-Harm Trim



Indicates Indicator option is available








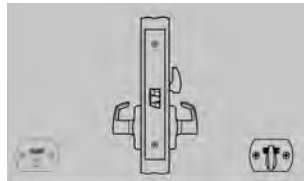

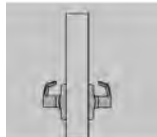

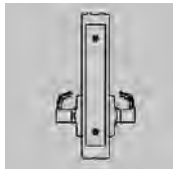



Indicates rigid grip



Mortise Locksets

ML2000 Series

OUTSIDE / INSIDE	SERIES FUNCTION	TYPE	ANSI NO.	FUNCTION DESCRIPTION
 	ML2053 	Entrance or Office	—	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Latchbolt by grip inside or by key outside. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
	ML2060 	Privacy	F22	<ul style="list-style-type: none"> • 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	—	<ul style="list-style-type: none"> • Grips act as pulls only; no operation.
	ML2080	Half Active Dummy Trim	—	<ul style="list-style-type: none"> • Non-latching operation • Grip always active; acts as push or pull only
	ML2090 	Full Active Dummy Trim	—	<ul style="list-style-type: none"> • 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.



Indicates Indicator option is available



Function available in Vandal Resistant Trim



Function available in Anti-Harm Trim



Indicates Indicator option is available



Indicates rigid grip

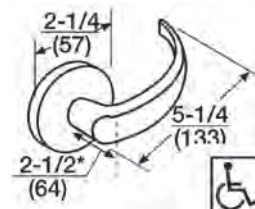
Mortise Locksets

ML2000 Series

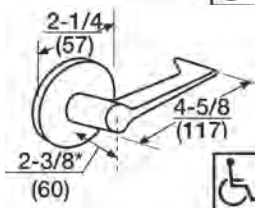
**Corbin
Russwin**

ASSA ABLOY

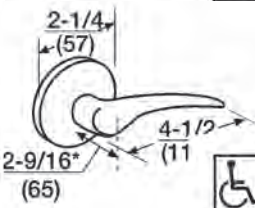
PRINCETON



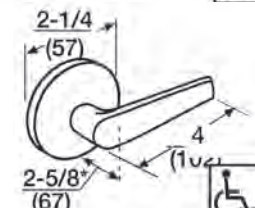
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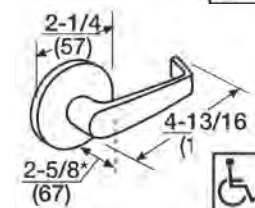
DIRKE



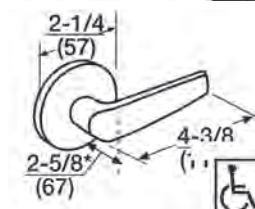
ARMSTRONG



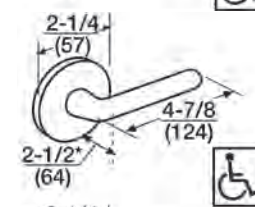
NEWPORT



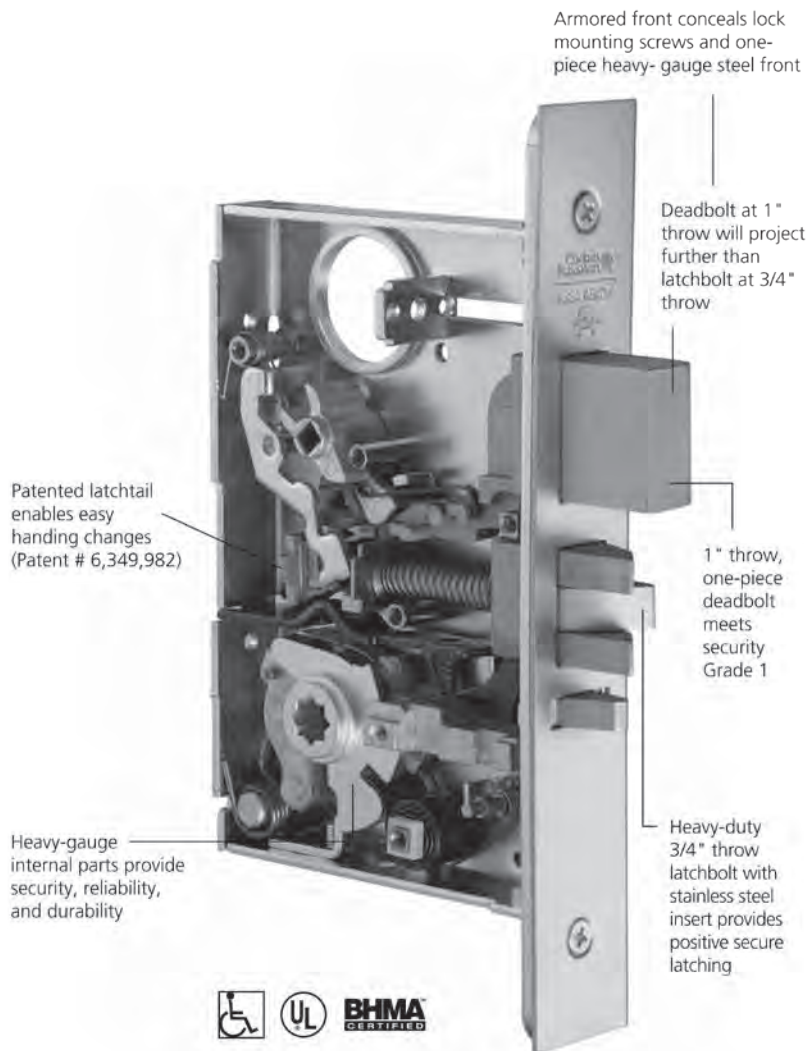
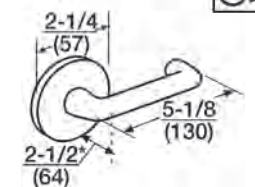
CITATION



REGIS



LUSTRA





Mortise Entrysets

Emtek is dedicated 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 Entryset

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
- Hanging 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)
- Hanging required for Leversets

Lever Options



Bored Locks

Keyways

SARGENT
ASSA ABLOY

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

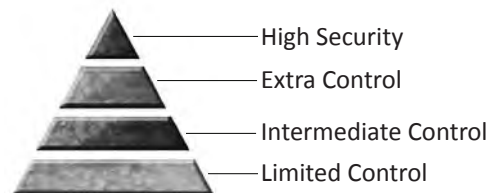
Format Interchangeable Core (LFIC) cylinders, SARGENT offers the right Degree of protection for every door in your facility.

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!



Keso® Series

Keso provides an intermediate level of key control with a unique six-sided key design. The dimpled key requires sophisticated key-cutting equipment.



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.



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.



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.



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

Bored Locks

11 Line T-ZONE

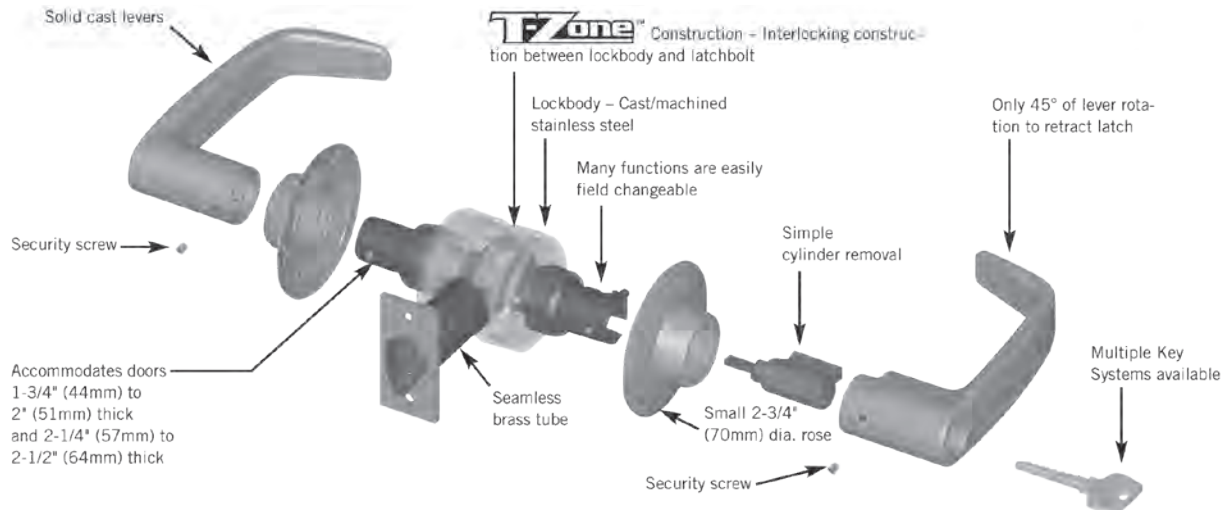
*Patent Pending

Healthcare facilities, schools and other demanding environments turn to SARGENT for hardware with the durability for a lifetime of hard use. The 11 line's unique T-Zone

construction delivers durability and strength that easily exceeds ANSI/BHMA Grade 1 requirements for torque and cycle testing. And facility maintenance is simplified with a single

lock body that works for all functions. Durable, flexible, reliable-this is a lock designed for the life of your facility.

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

Bored Locks

Specifications & Trim Designs

SARGENT

ASSA ABLOY



11 Line (T Zone)



10 Line



7 Line

Specifications	Extra Heavy Duty. Far exceeds ANSI A156.2, Series 4000, Grade 1. UL Listed for use on fire doors. UL Listed to Canadian Safety Standards (except GX). Conforms to standards UL 10C "Positive Pressure fire tests of door assemblies" and UBC 7-2 (1997) (except GX).	Heavy Duty. Exceeds ANSI A156.2, Series 4000, Grade 1.	Standard Duty. Exceeds ANSI A156.2, Series 4000, Grade 2.
For Doors	1-3/4" (44mm) to 2" std. and 2-1/4" to 2-1/2" (57mm to 64mm) (31- prefix). 1-3/8" (35mm) thick not available	1-3/4" (44mm) to 2" (51mm) thick.	1-3/8" (35mm) to 1-3/4" (44mm) thick.
Backset	2-3/4" (70mm) standard, 3-3/4" (95mm) available (23- prefix). 5" (127mm) available (25- prefix).	2-3/4" (70mm) standard, 3-3/4" (95mm) and 5" (127mm) available (prefixes 23- and 25-).	2-3/4" (70mm) standard, 2-3/8" (60mm) available (prefix 20-).
Latchbolt	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw. 3/4" (19mm) throw for pairs of doors (41- prefix).	Brass, 1/2" (13mm) throw, 3/4" (6mm) throw- (Prefix 41).	Brass, 1/2" (13mm) throw.
Front	Wrought brass, bronze or stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel.	Brass, bronze, stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). (Self-adjusting) Fixed bevel, 1/8" (3mm) in 2" (51mm).	Brass, stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). Fixed bevel, 1/8" (3mm) in 2" (51mm).
Strike	800 curved lip strike standard. Wrought brass, bronze, and stainless steel. 808 ANSI curved lip strike (28- prefix). Wrought box strike (WBS suffix).	Standard curved lip #800, 2-3/4" (70mm). Brass, bronze, stainless steel. With wrought aluminum box. Other strikes available.	Standard curved lip #800, 2-3/4" (70mm). Brass, bronze, stainless steel. With wrought aluminum box - Specify WBS. Other strikes available.
Hand	Universal, not handed.	Universal, not handed.	Universal, not handed.
Springs	Spring steel.	Two independent spring roses. One for each lever.	Two independent spring roses. One for each lever.
Cylinders	Brass, 6 pin, available in Signature, V-10, Keso, removable core, SFIC, XC.	Brass, 6 pin. Available in Signature, XC, V-10, Keso, removable core, SFIC.	Brass, 6 pin. Available in Signature, XC, V-10, removable core and SFIC.
Finishes	3, 4, 9, 10, 10B, 10BL, 20D, 26, 26D	3, 4, 9, 10, 10B, 10BL, 20D, 26, 26D	3, 4, 10, 10B, 26, 26D
Split Finishes	Available	Available	Available
Milling (levers) or Knurling (knobs)	Milled on inside of lever handle.	Molded plastic insert on inside of lever handle.	Molded plastic insert on inside of lever handle.
Available Options (see catalog for Complete list)	Prefix 23- 3-3/4" (95mm) Backset. 25- 5" (127mm) Backset. 28- ANSI 4-7/8" (124mm) Strike. SC & SE - Schlage Keyways.	Prefix 23- 3-3/4" (95mm) Backset. 25- 5" (127mm) Backset. 28- ANSI 4-7/8" (124mm) Strike. SC & SE - Schlage Keyways. FW-Freewheeling	Prefix 14-Full Lip Strike 20- 2-3/8" (60mm) Backset. 28- ANSI 4-7/8" (124mm) Strike. SC- & SE- Schlage Keyways. FW-Freewheeling.

Trim Designs

11 Line (T Zone)



7 and 10 Lines



SARGENT

ASSA ABLOY

Bored Locks

Specifications & Trim Designs



6500 Line 



8X Line



6 Line

Standard Duty. Exceeds ANSI A156.2, Series 4000, Grade 2.

Heavy Duty. BHMA certified under ANSI A156.2, Series 4000, Grade 1.

Standard Duty. BHMA certified under A156.2, Series 4000, Grade 2.

UL Listed for use on fire doors, UL Listed to Canadian Safety Standards (except GX).

Conforms to standards UL 10C "Positive Pressure fire tests of door assemblies" and UBC 7-2 (1990 7-2 (1997)).

1-3/8" (35mm) to 1-3/4" (44mm) thick.	1-3/8" (35mm) to 1-3/4" (44mm) thick To 6" (152mm) thick 8 Line (prefix 31-).	1-3/8" (35mm) to 1-3/4" (44mm) thick.
2-3/4" (70mm) standard. 2-3/8" (60mm) available.	2-3/4" (70mm) std. 3-3/4" (95mm) and 5" (127mm) available (prefixes 23- & 25-). Longer backsets available.	2-3/8" (60mm) std. 2-3/4" (70mm) available (prefix 24-).
Brass, 1/2" (13mm) throw.	Anti-Friction, 1/2" (12mm) throw, brass. Available 8 Line with 3/4" (19mm) throw (prefix 41-), UL listed.	Brass, 1/2" (13mm) throw, UL listed.
Brass, stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). Fixed bevel, 1/8" (3mm) in 2" (51mm).	Brass, bronze, stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). Self adjusting for flat doors or doors beveled 1/8" (3mm) in 2" (51mm).	Brass, bronze, stainless steel. 2-1/4" (57mm) x 1-1/8" (29mm). Self adjusting for flat doors or doors beveled 1/8" (3mm) in 2" (51mm).
Standard curved lip #500, 2-3/4" (70mm). Brass, stainless steel. Other strikes available.	Standard curved lip #800, ANSI A115.3. 2-3/4" (70mm). Brass, bronze, stainless steel. Wrought box available.	Standard curved lip #600, ANSI A115.3. 2-3/4" (70mm). Brass, bronze, stainless steel. Wrought box available.
Universal, not handed.	Universal, non-handed.	Non-keyed sets, universal. Keyed sets reversible. Removable core sets are handed (specify RH or LH).
Two independent spring roses. One for each lever.	Stainless Steel	Steel
Brass, 6 pin. Available in Signature, XC & removable core.	Brass, 6 pin. Available in XC, Signature, V-10 & Keso. Removable core in C knob.	Brass, 6 pin. Available in XC, Signature, & removable core in S knob.
3, 4, 10, 10B, 26, 26D	3, 4, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D	3, 4, 10, 10B, 26, 26D.
N/A	Available	Available
Molded plastic insert on inside of lever handle.	Knurling (C knob only)	N/A
Prefix 14- Full Lip Strike. 20- 2-3/8" (60mm) Backset. 28- ANSI 4-7/8" (124mm) Strike. SC- & SE- Schlage Keyways.	Prefix 23- 3-3/4" (95mm) Backset. 25- 5" (127mm) Backset. 28- ANSI 4-7/8" (124mm) Strike. 31- 8 Line for doors up to 6" (152mm).	Prefix 23- 3-3/4" (95mm) Backset. 24- 2-3/4" (70mm) Backset. 25- 5" (127mm) Backset. 28- ANSI 4-7/8" (124mm) Strike.

Lever 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.

6500 Line



KL

8x Line



BC

OB

EB

6 Line



BS

EB

OB

OSL

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.

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Location/Description	Function	11 Line (T Zone)	10 Line	7 Line
Storeroom or Closet (04) Latchbolt from outside by key, inside by lever. Outside lever is rigid at all times. Guardbolt deadlocks latchbolt.	*G04	F86	F86	F86
Entrance or Office (05) Latchbolt by either lever. Latchbolt by key O/S when O/S lever is locked by push-turn button. Turn button must be manually released. Guardbolt deadlocks latchbolt.	*G05	F81	F81 Push-turn button in I/S lever released by key O/S or turning I/S lever, unless button in fixed position.	F81 Push-turn button in I/S lever released by key O/S or turning I/S lever, unless button in fixed position.
Exit Latch (13) Latchbolt by I/S lever at all times. O/S lever rigid at all times. Guardbolt deadlocks latchbolt.	G13	F89	F89	N/A
Passage (15) Latchbolt by both levers at all times.	U15	F75	F75	F75
Classroom Security, Apartment Exit (16) Latchbolt by lever from either side except when O/S is locked by key from I/S. Key O/S retracts latchbolt when O/S lever is locked. Guardbolt deadlocks latchbolt.	G16	F88	F88	N/A
Asylum (17) Both levers are rigid at all times. Latchbolt by key from both sides. Guardbolt deadlocks latchbolt.	G17	F87	F87	N/A
Room Door (24) Latchbolt by either lever unless O/S lever locked by push button inside lever. Key O/S or lever I/S releases O/S lever and push button, but closing door does not. Guardbolt deadlocks latchbolt.	G24	F82 Push button in I/S lever released by key O/S or lever I/S.	F82 Push button in I/S lever released by key O/S or lever I/S.	N/A
Store or Storeroom (26) Latchbolt by either lever. Key on either side locks or unlocks both levers. Guardbolt deadlocks latchbolt. Note: Use only on rooms with more than one exit.	G26	N/A	F91 Available as a special. Consult factory.	N/A
Classroom or Hospital (37) Latchbolt by either lever. Key O/S locks or unlocks O/S lever. Inside lever always operable. Guardbolt deadlocks latchbolt.	*G37	F84	F84	F84
Classroom Security (38) Latchbolt by either lever unless outside lever is locked by key. Key in either lever locks or unlocks outside lever. Key in outside lever retracts latch when O/S lever is locked. Inside lever always operative. Guardbolt deadlocks latchbolt.	G38	Patent Pending		N/A
Hotel/Motel (50) O/S lever rigid at all times. Latchbolt by guest key or masterkey O/S, except when button I/S is pushed. Emergency key operates latchbolt at all times. Guardbolt deadlocks latchbolt.	G50	F93 Turning I/S lever releases button. Special shut-out key available. Std. visual occupancy indicator. Guarded latchbolt.	F93 Turning I/S lever releases button. Special shut-out key available. Std. visual occupancy indicator. Guarded latchbolt.	N/A
Dormitory (54) Latchbolt by either lever. O/S lever locked by key O/S or push button. O/S Key unlocks O/S lever and releases push button. Push button also released by turning I/S lever or closing door. Guardbolt deadlocks latchbolt.	G54	F90 Door must be closed to lock O/S lever by push button.	F90 Releasing push button does not unlock O/S lever if locked by key.	N/A
Privacy, Bedroom or Bathroom (65) Latchbolt by either lever unless O/S is locked by push button. O/S emergency release in outside lever unlocks outside lever and releases inside button with flat blade screwdriver.	*U65	F76 Operating O/S emergency release or I/S lever or closing door releases push button and unlocks O/S lever.	F76 Operating O/S emergency release or I/S lever or closing door releases push button and unlocks O/S lever.	F76 Operating O/S emergency release or I/S lever or closing door releases push button and unlocks O/S lever.
Single Lever Pull (93) on one side. Double Pull (94) has levers both sides. Double Pull (94-2) levers both sides with dummy plate.	U93 U94 U94-2	93 94 -2 94	94 -2 94 U94 Pulls are thru-bolt mounted.	93 94 -2 94

* Freewheeling (FW) available for this function in 7 and 10 line.

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ASSA ABLOY

Bored Locks

Functions



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.

Function	6500 Line	8X Line	6 Line
G04	F86	F86	F86
G05	F81 Push-turn button in I/S lever released by key O/S or turning I/S lever, unless button in fixed position.	F81 Turn button in I/S knob.	F81 Push-turn button in I/S knob released by key O/S or turning I/S knob, unless button in fixed position.
G13	N/A	N/A	N/A
U15	F75	F75	F75
G16	N/A	N/A	N/A
G17	N/A	F87 8 line only	N/A
G24	N/A	N/A	F82 Push button in I/S knob released by key O/S or knob I/S.
G26	N/A	N/A	N/A
G37	F84	F84 (37 function)	F84
G38	N/A	N/A	N/A
G50	N/A	N/A	F93 Turning I/S knob releases button. Special shut-out key available. Std. visual occupancy indicator.
G54	N/A	N/A	N/A
U65	F76 Operating O/S emergency release or I/S lever or closing door releases push button and unlocks O/S lever.	F76 Operating O/S emergency release or I/S knob or closing door releases push button and unlocks O/S knob.	F76 Operating O/S emergency release or I/S knob or closing door releases push button and unlocks O/S knob.
U93	93	93	93
U94	94 U94 Pulls are thru-bolt mounted.	Single knob Pull	U94 in USB both sides of door. Surface mounted
U93-2			

Mortise Locks

SARGENT
ASSA ABLOY

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 A 156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.



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.



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.



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.



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.



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.



SARGENT

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Mortise Locks

Functions

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. Addition-

al information can be found in the lock sections of the Sargent catalog or at www.sargentlock.com.

Location/Description	Function	8200 Line & 9200 High Security Line
Storeroom or Closet (04) Latchbolt by key O/S, inside by trim. Outside lever/knob is rigid at all times. Guardbolt deadlocks latchbolt.	04* ● F07	
Entrance or Office (05) Latchbolt by either trim. By key O/S when O/S trim is locked by toggle. Toggle must be manually released. Guardbolt deadlocks latchbolt.	05 85* ● F04	
Exit Latch (13) Latchbolt by I/S trim at all times. No O/S trim. Guardbolt deadlocks latchbolt.	13 ●	
Passage (15) Latchbolt by either trim at all times.	15 ● F01	
Apartment, Stair or Exit (16) By trim from either side except when O/S trim is locked by key from I/S. Key O/S retracts latchbolt when O/S trim is locked. Guardbolt deadlocks latchbolt.	16 ● 86* ● F09	
Asylum (17) Either trim rigid at all times. Latchbolt by key from either side. Guardbolt deadlocks latchbolt.	17* ●	
Storeroom (24) Latchbolt by either trim. Deadbolt and O/S trim locked and unlocked by key O/S only.	24* ● F21	
All Purpose, Dormitory or Exit (25) Latchbolt by either trim. Deadbolt and O/S trim locked and unlocked by turn lever I/S or key O/S. I/S trim retracts deadbolt and latchbolt simultaneously.	25* ● F13	
Store or Storeroom (26) Latchbolt by either trim. Key on either side locks or unlocks deadbolt only. Trim will not retract deadbolt from either side. Note: Use only on rooms with more than one exit.	26* ● F14	
Classroom or Hospital (37) Latchbolt by either trim. Key O/S locks or unlocks O/S trim. I/S trim operable at all times. Guardbolt deadlocks latchbolt.	37* ● F05	
Classroom Security Lock (38) Latchbolt retracted by either trim unless outside trim is locked by key. Key on either side locks or unlocks O/S trim. Latchbolt can be retracted by key when outside trim is in the locked position. Inside trim always able to retract latchbolt, and outside trim remains locked. Guardbolt deadlocks latchbolt.	38* ● F32	
Classroom Security Deadbolt Lock (39) Latchbolt retracted by either trim. Deadbolt operated 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.	39* ● F33	
Classroom Security Deadbolt Lock (40) Latchbolt retracted by either trim. Deadbolt operated 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. Guardbolt deadlocks latchbolt.	40* ● F34	
Classroom Security Deadbolt Lock (41) Latchbolt retracted by either trim. Deadbolt operated by key on both sides. When outside trim is locked, key retracts latchbolt and deadbolt. When deadbolt is projected, outside trim is automatically locked. Operating inside trim automatically retracts latchbolt and deadbolt, but the outside trim remains locked. Guardbolt deadlocks latchbolt.	41 ● 8200 ONLY	
Apartment/Corridor (45) Latchbolt by either trim. Key O/S locks/unlocks deadbolt and retracts latchbolt when O/S trim is locked by toggle. Turn lever I/S locks/unlocks deadbolt. I/S trim retracts latchbolt and deadbolt simultaneously. Outside trim remains locked. Toggle must be manually unlocked. Guardbolt deadlocks latchbolt (43).	43 ● 45 ● F20 (43 Function) F12 (45 Function)	
Hotel/Motel (50) O/S trim rigid at all times. Latchbolt by guest key or masterkey O/S, except when deadbolt is projected by turn lever I/S. Emergency key operates latchbolt and deadbolt at all times. Inside lever always retracts latchbolt and deadbolt. Guardbolt deadlocks latchbolt.	50* ● F15 (modified)	
Privacy, Bedroom, or Bathroom (65) Latchbolt by either trim unless O/S trim is locked by turn lever I/S. O/S emergency release unlocks O/S lever.	65* ● F22	
Lever/Knob Pulls (93) have trim on one side only. (94) has trim on both sides. Thrubolted trim on both (93) and (94) functions.	93, 94 ● 93 ● 94 ●	

* Available with 8200 freewheeling trim functions.

• Available with 7800 push/pull trim.

SARGuard™ *

Helps You Protect Two Ways!
Physical building security to
Control Access! Silver Solutions
to Control Bacteria!



* Patent Pending

- SARGENT once again is an innovator in the hardware industry with the introduction of SARGuard, a new coating that fights bacteria.
- This revolutionary new finish coating, available on all SARGENT product lines, utilizes a silver-based anti-microbial compound from AgION Technologies.
- Kills Microbes: The SARGuard coating permanently suppresses the growth of algae, fungus, mold, mildew and is effective against a broad spectrum of bacteria.
- Long lasting: As an integral part of the finish coating, SARGuard lasts for the life of the hardware. It can't wear out.
- Safe: Non-toxic and completely safe. The AgION antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Perfect Applications: Anywhere there is a need for a clean environment! Hospitals, laboratories, schools, medical/daycare/food processing/research facilities, pharmaceutical companies, etc.



Mortise Locks

Trim Designs

SARGENT

ASSA ABLOY

8200 Lever Line and 9200 High Security Line



LNA



LNJ



LE1L



LNB



LNL



LE3B



LNE



LNP



LS Security Trim



LNF



LNW



LWLJ



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.



FREEWHEELING FEB (B lever shown)

Freewheeling trim lever handle swings freely up to 70° in "locked" mode.



WTL

8200 Coastal Series™

Decorative Levers with Roses and Escutcheons



Sanibel™



Coronado™



Rockport™



Yarmouth™



Gulfport™



Sanibel™



Gulfport™

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.



Cylindrical Levers

3400 & 3500 Series

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
- UL/cUL Listed for all functions up to 3 hours "A" label single doors (for double doors application, UL/cUL Listed when used with 3/4" latchbolt)
- ANSI A250.13 Severe Windstorm Component
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated
- Lifetime warranty

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 the factory
- Small Format Interchangeable Core housing available
- Interchangeable Core
- Uncombined & Combined
- Drilled 6-pin, Keyed 5-pin
- Standard
- SFIC uncombined or combined, 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 combined, brass 6- or 7-pin sold separately

- Large Format Interchangeable Core option available
- LFIC zero bitted or combined, brass 6-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

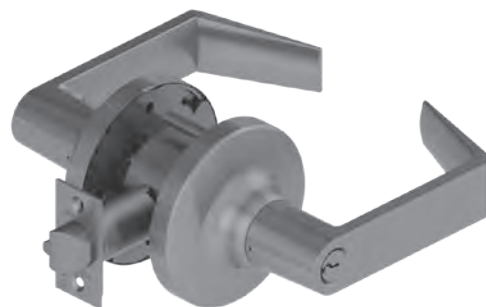
- US3, US4, US10, US10B, US26, US26D

Functions

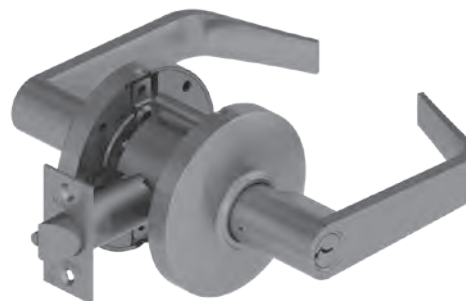
10 - Passage, 17 - Dummy, 25 - Exit, 27 - BTB Dummy, 40 - Privacy, 50 - Office, 53 - Entry, 70 - Classroom, 73 - Corridor, 79 - Keyed Communicating (3400 Series only), 80 - Storeroom, 95 - Intruder Classroom (3500 Series only)

Options

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



3400 Series



3500 Series

Lever Options



Archer



August



Whithnell

Deadbolts

B-Series



B250PD Deadbolt



B250PD Deadlatch



B500 Deadbolt

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.

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.

10-064

Thimble Strike for B100 Series Deadbolt Locks Wood and Hollow Metal frames.

Size: 1 1/4" 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 1/2" door prep.



10-094

Strike and Box for all B100, B500 Deadbolt Locks.

Size: 1 1/2" x 2 3/4" x 3/8"



10-087

Strike (no box) ANSI preparation for all B100, B500 Deadbolt Locks.

Size: 1 1/2" x 4 1/8" x 3/8"

Lip Lengths: 1", 1 1/8", 1 1/4", 1 3/8"



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*

Product ANSI

Deadbolt Functions

Deadlatch Functions

		Single Cylinder Deadbolt	Double Cylinder Deadbolt	Classroom Deadbolt	Door Bolt Occupancy Indicator	Door Bolt	Door Bolt with Trim	Cylinder only Deadbolt	Cylinder only X Blank Plate Deadbolt	Single Cylinder Deadlatch	Double Cylinder Deadlatch
Interior		Thumbturn	Keyed	Thumbturn	Thumbturn	Thumbturn	Thumbturn	No Trim	Blank Plate	Thumbturn	Keyed
Exterior		Keyed	Keyed	Keyed	Indicator	No Trim	Blank Plate	Keyed	Keyed	Keyed	Keyed
B250	Grade 2									B250PD	B252PD
B500	Grade 2	B560P	B562P	B563P	B571	B580	B581		B651P		
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		



Deadbolts

B-Series

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 Deadbolt

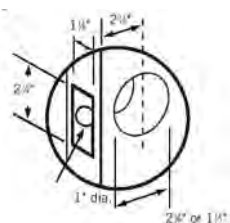


B700 Deadbolt



B800 Deadbolt

Door Preparation



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.

<u>Schlage</u>	<u>ANSI</u>
B660	E2151
B760	E2151
B860	E2151



Heavy Duty Double Cylinder Deadbolt

Deadbolt thrown or retracted by key from either side. Bolt automatically deadlocks when fully thrown.

<u>Schlage</u>	<u>ANSI</u>
B662	E2141
B762	E2141
B862	E2141



Heavy Duty One-Way Deadbolt Lock

Deadbolt thrown or retracted by key only. Blank plate inside. Bolt automatically deadlocks when fully thrown.

<u>Schlage</u>	<u>ANSI</u>
B662	E2141
B762	E2141
B862	E2141



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.

<u>Schlage</u>	<u>ANSI</u>
B663	E2161
B763	E2161
B863	E2161



Heavy Duty Cylinder Lock

Deadbolt thrown or retracted by key from one side. No inside trim. Bolt automatically deadlocks when fully thrown.

<u>Schlage</u>
B664
B764
B864



Heavy Duty Door Bolt

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

<u>Schlage</u>	<u>ANSI</u>
B680	E2191



Locks

ND-Series

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.



Athens – symbol: ATH



Rhodes – symbol: RHO



Tublar –symbol: TLR



Sparta – symbol: SPA



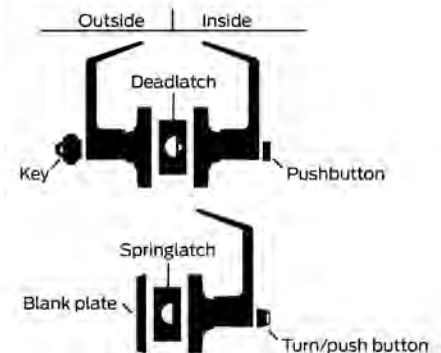
Omega –symbol: OME

ND-Series Lock Finishes

605	Bright Brass
606	Satin Brass
612	Satin Bronze
613	Oil-Rubbed Bronze
619	Satin Nickel
622	Matte Black
625	Bright Chromium Plated
626	Satin Chromium Plated
626AM	Antimicrobial Coating
643e	Aged Bronze



Legend



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.

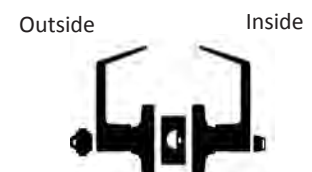
Schlage **ANSI**
ND44S –



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**
ND53PD F109



Single Dummy Trim

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

Schlage **ANSI**
ND170 –





Locks

ND-Series

Exit Lock

- Outside lever always fixed.
- Inside lever always free for immediate egress.

Schlage **ANSI**

ND12D F89

Outside Inside



Available with RX

Exit Lock

- Blank plate outside.
- Inside lever always free for immediate egress.

Schlage **ANSI**

ND25D

Outside Inside



Passage Latch

- Both levers always unlocked.

Schlage **ANSI**

ND10S F75

Outside Inside



Available with RX

Store Lock

- Key in either lever locks or unlocks both levers.

Schlage **ANSI**

ND66PD F91

Outside Inside



Institution Lock

- Both levers always fixed.
- Entrance by key in either lever.

Schlage **ANSI**

ND82PD F87

Outside Inside



Bath/Bedroom Privacy Lock

- 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.

Schlage **ANSI**

ND40S F76

Outside Inside



Vestibule Lock

- Latch retracted by key from outside when outside lever is locked by key in inside lever.
- Inside lever always free for immediate egress.

Schlage **ANSI**

ND60PD F88

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**

ND50PD F82

Outside Inside



Classroom Lock

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

Schlage **ANSI**

ND70PD F84

Outside Inside



Corridor Lock

- 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.

Schlage **ANSI**

ND73PD F90

Outside Inside



Classroom Security Lock

- Key in either lever locks or unlocks outside lever.
- Inside lever always free for immediate egress.

Schlage **ANSI**

ND75PD

Outside Inside



Storeroom Lock

- Outside lever fixed.
- Entrance by key only.
- Inside lever always free for immediate egress.

Schlage **ANSI**

ND80PD F86

Outside Inside



Faculty Restroom Lock

- 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.

Schlage **ANSI**

ND85PD

Outside Inside



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 perfor-

mance. 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



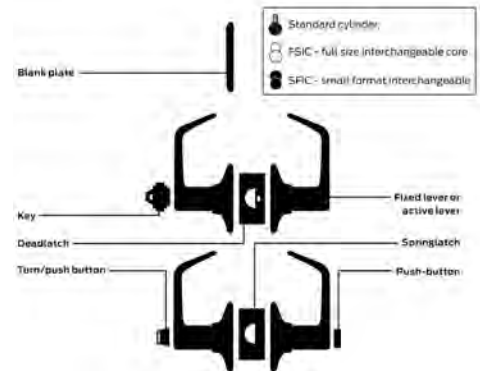
Saturn – symbol: SAT

AL-Series Lock Finishes

605	Bright Brass
606	Satin Brass
609	Antique Brass
612	Satin Bronze
613	Oil-Rubbed Bronze
619	Satin Nickel
622	Matte Black
625	Bright Chromium Plated
626	Satin Chromium Plated
626AM	Antimicrobial Coating
643e	Aged Bronze



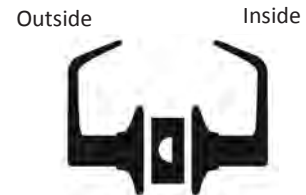
Legend



Passage Latch

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

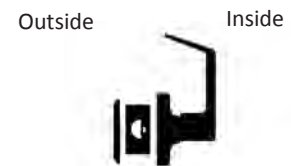
Schlage **ANSI**
AL10S F75



Exit Lock

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

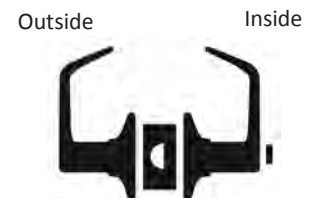
Schlage **ANSI**
AL25D -



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





Locks

AL-Series

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



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



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



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



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



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



Locks

L-Series

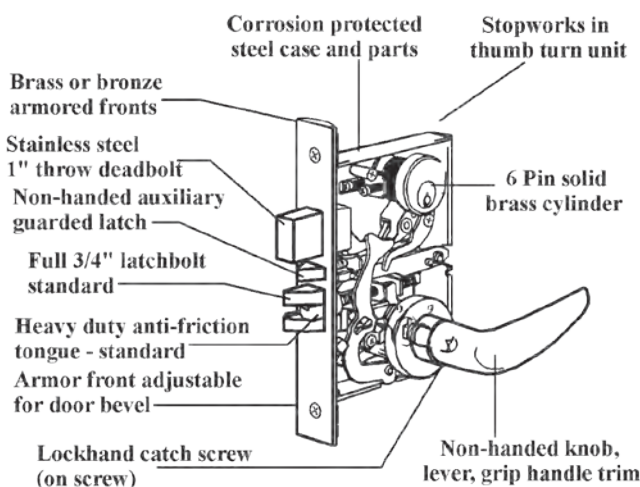
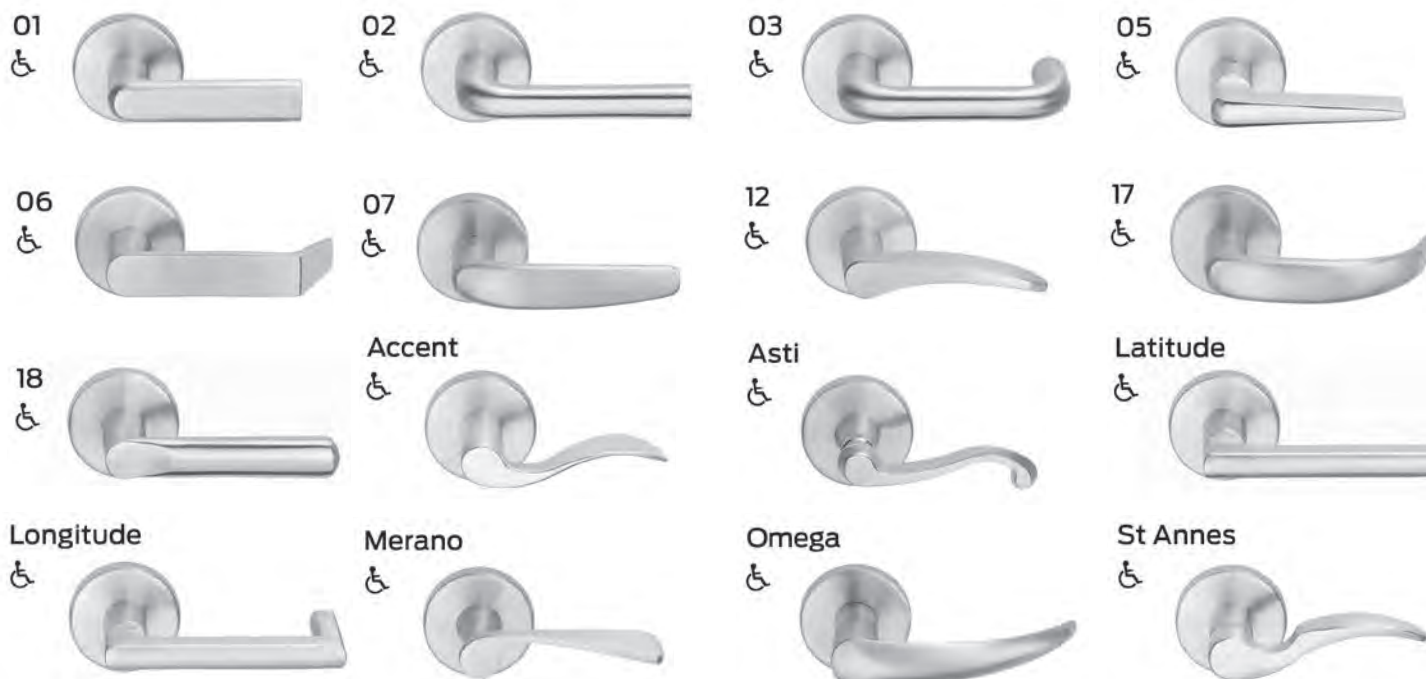


Nothing is tougher.

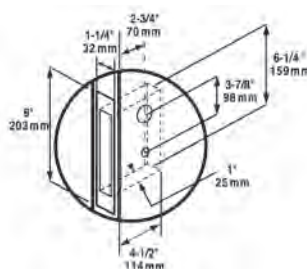
At Schlage we know that every product you specify has to stand up to constant use and abuse. Your building's locking systems face an additional challenge – keeping people and other

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



Door Preparation



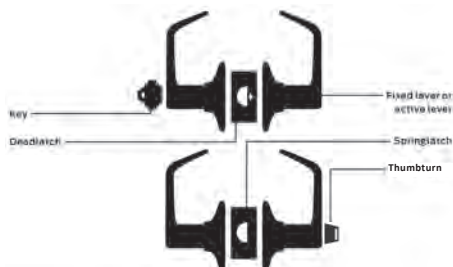
L-Series Lock Finishes

605	Bright Brass
606	Satin Brass
609	Antique Brass
612	Satin Bronze
613	Oil-Rubbed Bronze
619	Satin Nickel
625	Bright Chromium Plated
626/626AM*	Satin Chromium Plated
629	Bright Stainless Steel
630/630AM*	Satin Stainless Steel
643e	Aged Bronze

*AM = Finish with Antimicrobial Coating



Legend



Passage Latch

- Latchbolt retracted by lever from either side at all times.
- Inside lever always free for immediate egress.

Schlage **ANSI**

L9010 F01

Outside Inside



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.

Schlage **ANSI**

L9453 F20

Outside Inside



Bath/Bedroom Privacy Lock

- Latchbolt retracted by lever from either side unless outside is locked by inside thumbturn.
- Turning inside lever or closing door unlocks outside lever.
- To unlock from outside remove emergency button, insert emergency thumbturn (furnished) in access hole and rotate.
- Inside lever always free for immediate egress.

Schlage **ANSI**

_9040 F22

Outside Inside



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.

Schlage **ANSI**

L9080 F07

Outside Inside



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.

Schlage **ANSI**

L9070 F05

Outside Inside



Locks

L-Series

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.

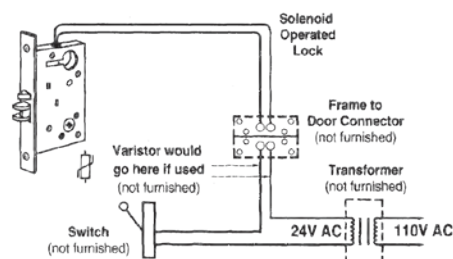
We **do not** recommend that these locks be connected to a supply circuit that also contains electromagnetic devices. If an electromagnetic device is connected to the supply circuit, the resulting transient voltages could damage the lock. The transient voltage must be carefully suppressed at the equipment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



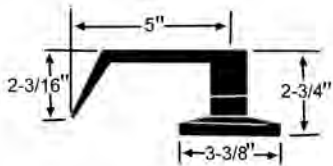
Lock Sets



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.



Grade 2 Deadbolt with UL Bolt in singular or double cylinder.

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. **Finishes:** US26D, US3, US10B, US26



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. **Finishes:** US26D, US3, US10B, US26



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. **Finishes:** US26D, US3, US10B, US26



Dummy Cylinder

Available in 1" & 1-1/8" lengths. Solid brass, non-hollow construction. **Finishes:** US26D, US3, US10B, US26



Interchangeable Core Housing

6 pin tapered head. **Finishes:** US26D, US26





Touch Bar Panic Devices

Contractor Quality Reversible Rim Type

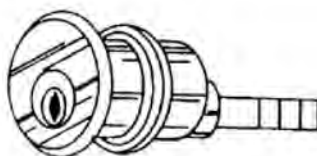
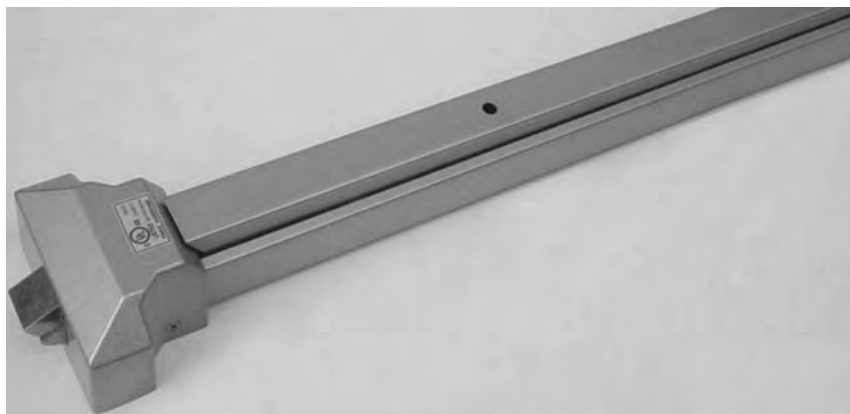
Model UL520

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.

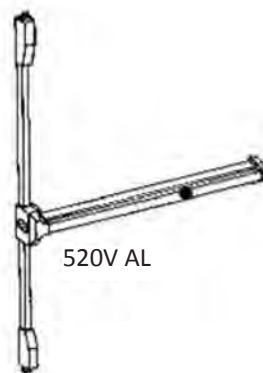
Available in aluminum, or duranodic finishes. The UL520 devices are packed with latch and strike filler plates.

- 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



S. Parker Rim Cylinders 1320 series are ideal for use with our Rim Type Narrow



520V AL

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).

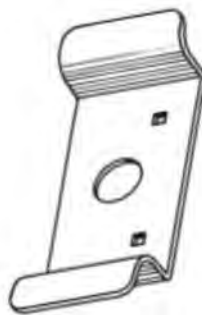
Dull Chrome US26 D Finish PB finish US3 Finish



Outside Trim Options



Thumbpiece Trim



Door Pull PC510



Lever Keyed Locks Series LL520

Door Closers



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 A 117.1 Specifications for Making Buildings and Facilities Accessible to, and Usable by the Physically Disabled.

- Door Opening: regular arm 120°, parallel arm 180° and top jamb 120°.
- 25 year Warranty

The following manufacturers' products fit the same physical footprint as our 441 BC Series Door Closer. If you have any questions regarding crossover specifications please contact us. Same hole positions as:

- LCN 4041
- Norton 7500/7700
- Dorma 8916
- Dor-O-Matic SC70
- SARGENT 351
- Yale P400/4400
- RYOBI D3530



441 BC Series Door Closer



Heavy Duty Arm



Heavy Duty Stop Arm with Hold Open



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

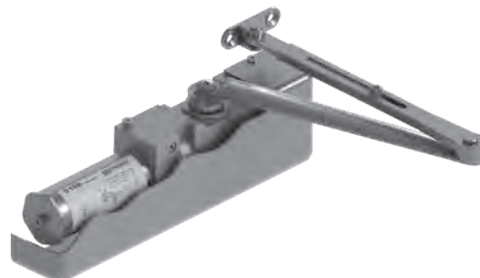
- Self-reaming, self-tapping wood and machine screws
- Sex nuts and bolts

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.



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.



DORMA

**ED900 Swing Door
Operator Low
Energy Operator**

Door Closers

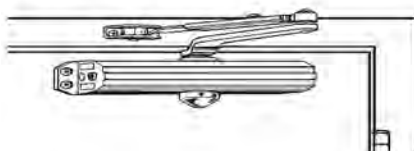
Tri-Style

Norton®
ASSA ABLOY



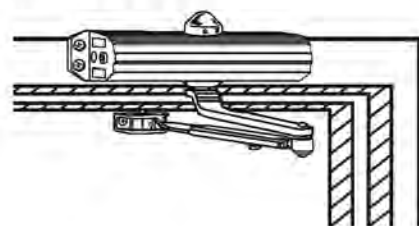
Regular Arm Installation

Closer on door on hinge (pull) side of door.



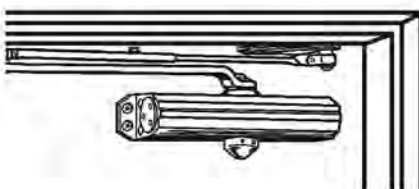
Top Jamb Installation

Closer on frame on opposite to hinge (push) side of door.



Parallel Arm Installation

Closer on door on opposite to hinge (push) side of door.



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.

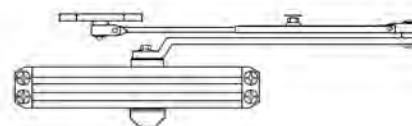
Door Closer Sizing Chart

Maximum Door Size (in)		Recommended Closer Size		
Interior	Exterior	Regular Arm	Top Jamb	Parallel Arm
36	30	—	—	3
38	32	—	3	3
42	—	—	4	4
44	—	4	—	—

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.

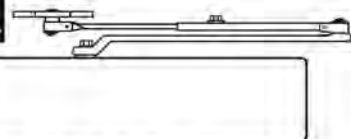
Hold-Open Range - between 85 and 110 degree. Parallel or top jamb mounting.

Product #	Finish
1603BC	689
1603BC	691
1603BCH	689
1603BCH	691
1604BC	689
1604BC	691
1604BCH	689
UNI-1603BC-H	689
UNI-1604BC-H	689
UNI-1604BC-H	691

Norton®

ASSA ABLOY

Door Closers



Series 7500 Multi-Size Closers

Power Adjust Closer – 7500 adjustable sizes 1-6

Narrow Projection - projects just 2 1/8" 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.

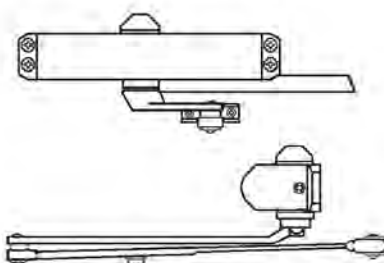
Adjustable Delayed Action Closing - Option. Closers will be furnished with backcheck feature. Suffix "DA" to catalog number.

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

Product #	Finish
7500	690
7500H	690

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 degree). 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 Latch Speed.

Adjustable Backcheck Cushioning — optional; provides and adjustable hydraulic cushion to the doors opening speed. Suffix "BC".

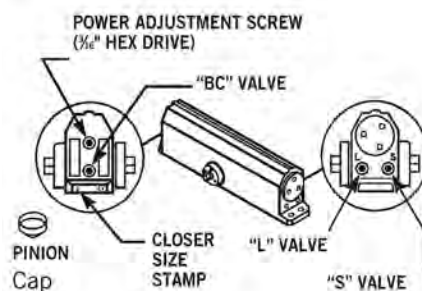
Non-Hold Open Arm - supplied on standard closer; No prefix-closer can be installed regular arm or top jamb reveals 0" to 2 1/8" (0 to 73 degree). "P" - closer installs parallel arm only.

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.

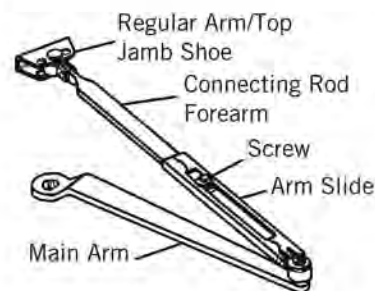
Product #	Finish
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Components



1618A Soffit Plate
Used with Parallel
Arm Closers Only.

Arm Assembly



Push Pad Exit Devices

VON DUPRIN®

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.



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

9827/9927 Surface Mounted Vertical Rod Device

Panic and Fire Exit Hardware.



Features

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

Options

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

9857/9957 Three-Point Latching Device

Panic and Fire Exit Hardware.



Features

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

Options

- Electric latch retraction
- Pneumatic latch retraction
- 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).

98/99 Series Standard Trim

	EO No Outside Trim Exit only	DT Dummy trim Pull when dogged (not recommended for fire device)	NL Nightlatch Key retracts latchbolt	NL-OP Nightlatch Key retracts latchbolt optional pull required	TL Thumbturn Key locks & unlocks (use with DT trim)	TL-BE Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)	L Lever Key locks & unlocks	L-NL Lever-Night Latch Key retracts latchbolt	L-BE Lever-blank escutcheon Always operable (no cylinder)	L-DT Pull when dogged
98/99 Rim Exit Device	●	●	●	●			●	●	●	●
9827/9927 Surface Mounted Vertical Rod Device	●	●	●	●	●	●	●	●	●	●
9857/9957 Three-Point Latching Device	●	●	●	●	●	●	●	●	●	●

VON DUPRIN®

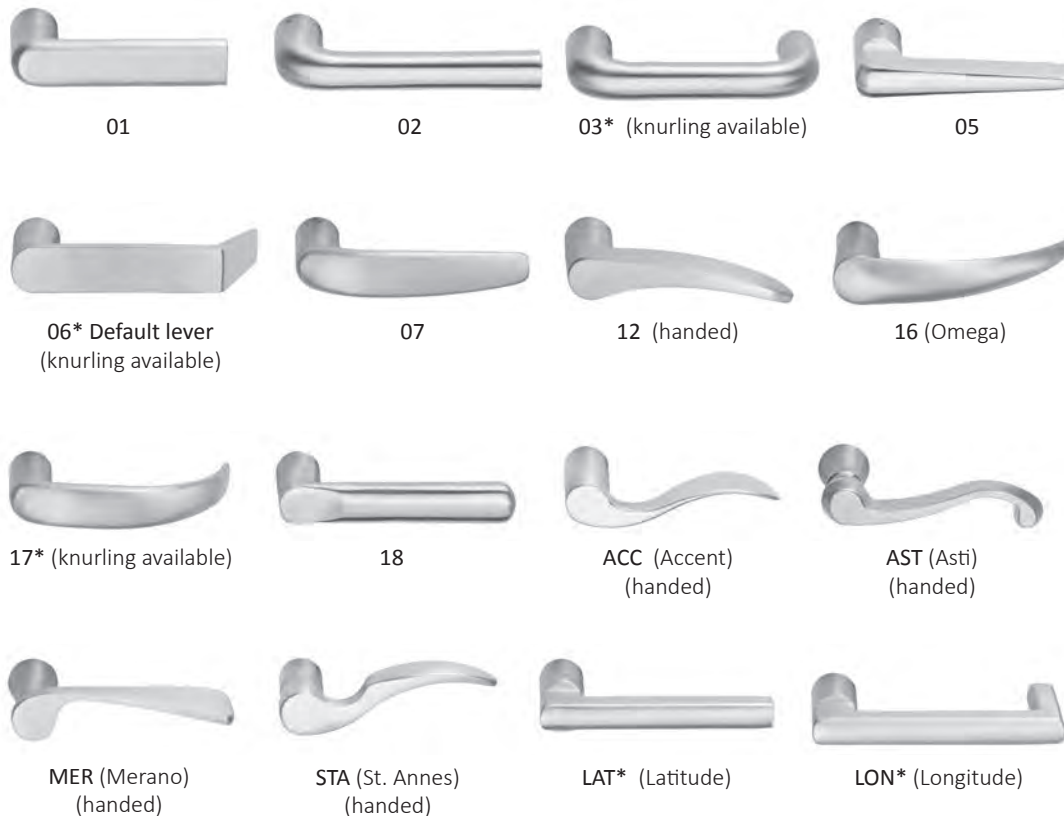
Exit Device Trim

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.

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

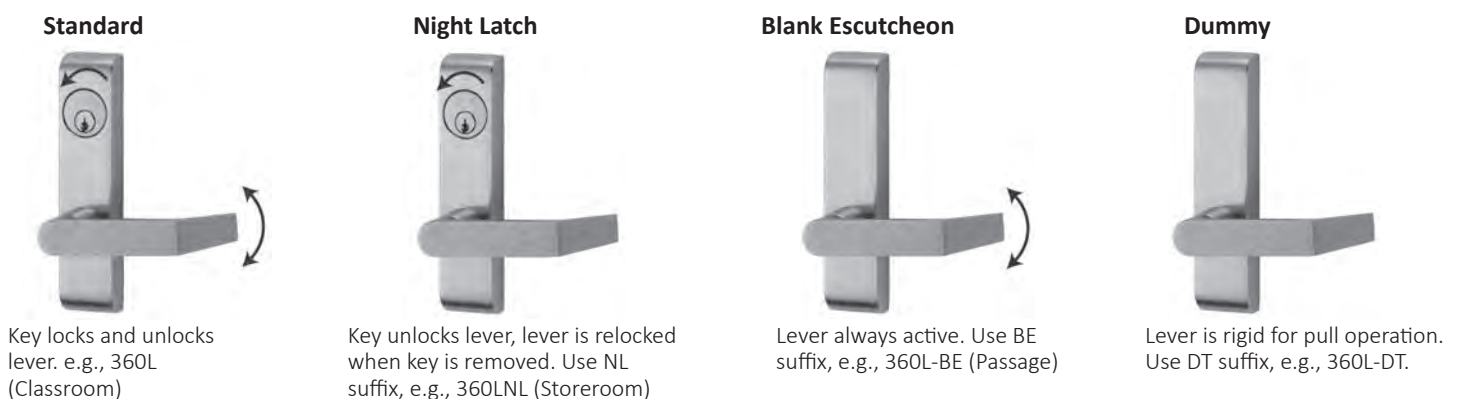


Standard Lever Finishes

- 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

* Available in Stainless Steel – please specify SS when ordering

Trim Operation Lever



Push Pad & Crossbar Exit Devices

VON DUPRIN®

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

Features

- Field reversible
- Hex key dogging
- Latchbolt deadlocking (on mortise device)

Options

- Rim device
- Mortise lock device
- Concealed vertical rod

Features

- Fully reversible
- Field reversible
- Hex key dogging

Options

- Rim device
- Mortise lock device
- Concealed vertical rod
- Surface vertical rod

3327/3527 Surface Vertical Rod Device

Panic and Fire Exit Hardware.

3347/3547 Concealed Vertical Rod Device

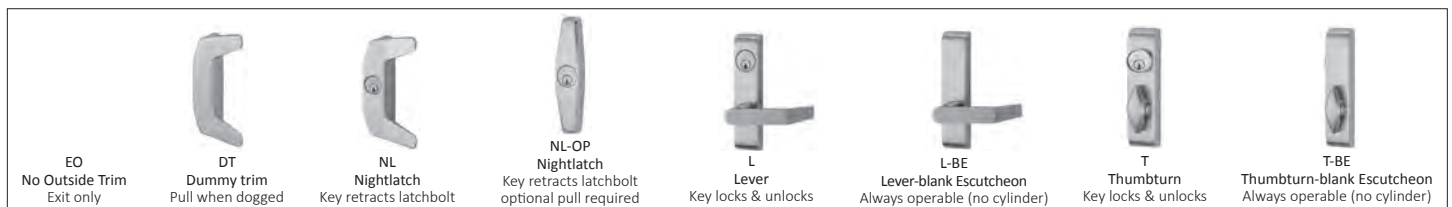
Panic and Fire Exit Hardware.

(Same as above with 5/8" throw latchbolt)

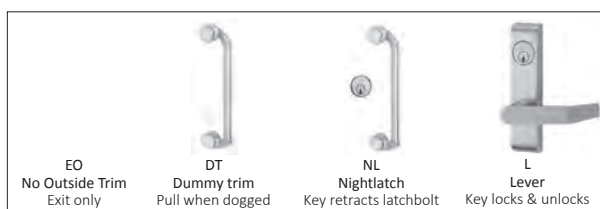
33A/35A Series levers available in all styles and all finishes (except 613).

55 & 88 Series standard lever styles include 01, 02, 03, 06, 07, 12 & 17; standard finishes 605, 606, 612, 613, 625 & 626.

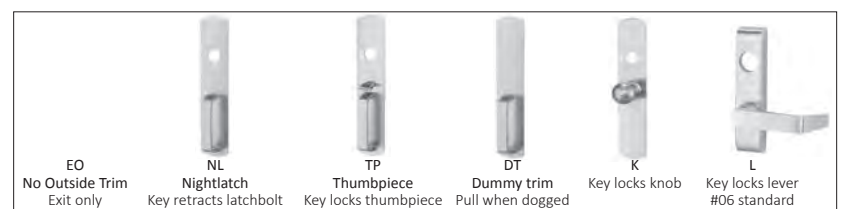
33A/35A Series Standard Trim



55 Series Standard Trim



88 Series Standard Trim



VON DUPRIN®

Push Pad Exit Devices

22 Series**22 Series Rim Exit Device**

Panic and Fire Exit Hardware.

**Features**

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

Options

- Alarm kit (ALK)

2227 Series Surface Vertical Rod Device

Panic and Fire Exit Hardware.

**Features**

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

Options

- Alarm kit (ALK)

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)



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.

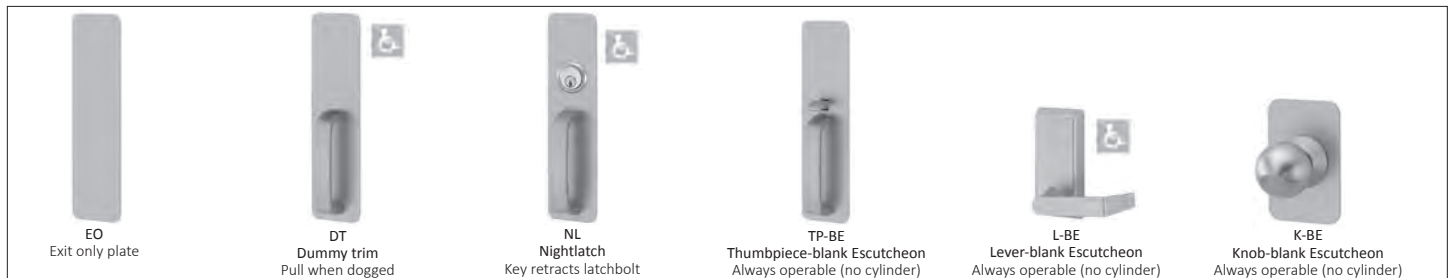
22 Series available with standard levers 03, 06 & 17; all standard finishes (except 613).

22 Series Standard Trim**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 3/4" (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



9475/9575 Mortise Lock Device



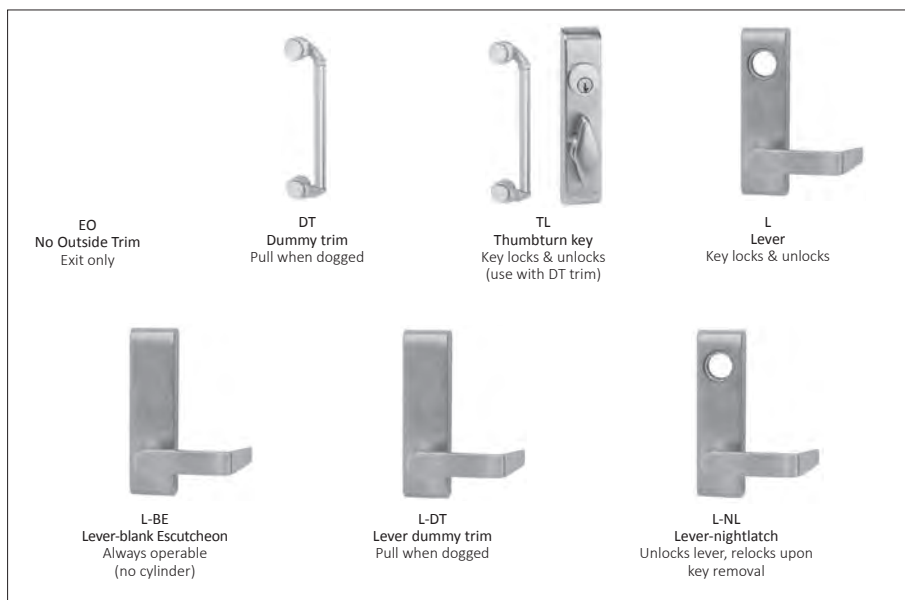
Features

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

Options

- 5/8" throw latch bolt
- Hex key dogging
- Two push pad styles
- Seven finishes: US3, US4, US10, US26, US260, US28 & 313

94/95 Series Standard Trim



VON DUPRIN®

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.

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



Impact Exit Devices

7700 Series

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.

- Rim and vertical rod devices are non-handed and easily reversible
- Available in many different functions. Lever and escutcheon trims are grade 1 construction with clutch on rose trims. Escutcheon trims are rigid and covers 161 cut out
- Electronic Function (ELR) Electrical Latch Retraction and RX & LX Signal Switch available



Grade 1 Rim Type Exit Device

For Doors: 1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width for single or double door application using standard 938 strike and pull lever, thumbpiece and escutcheon trims. 2 3/4" 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 3/4" backset

Latch Bolt: Stainless steel 3/4" 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 3/4" (44.5mm) minimum thickness 4 1/2" (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 3/4" minimum stile width, 1 3/4" 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 3/4" throw

Spring: Stainless steel throughout

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 interchangeable 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 locator system ensures the easiest and most accurate installation of panic hardware available.

Designed for use on all types of single and double doors and gates with mullions that are or may be exposed to the weather.

36 - Fits 36" Door Width

48 - Fits 48" Door Width

Door Thickness

1-3/4" - 2-1/4"

Finishes

628 - Aluminum

In addition to listing as UL panic and fire exit hardware device, this device conforms to UL1034-34 Temperature Section 34, UL1034-54 Dust Section 54, 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).

Door Stile

- Fits 2-1/2" stile doors with 98 semi-mortise strike
- Fits standard doors with 99 strike

Standard V40 Rim Device

accommodates wide stile doors, 3" or greater stile, and flush doors. For Narrow Stile doors, 2" to 2 1/2" stiles add "NSK" Kit.

- NSK- Narrow Kit- for 2" narrow stile glass door applications (Option)

Fasteners

- Machine and Self-Drilling Screws
- HD- Hex Dogging
- Stainless steel, 3/4" deadlocking Pullman-type latch bolt

V40xBxW Value Series Weatherized Rim Exit Device

The V40xBxW 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 Stile

- 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

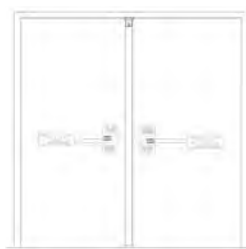
In addition to listing as UL panic and fire exit hardware device, this device conforms to MIL-STD 810F Method 506.4 (driving rain test), MIL-STD 810F, Method 509.4 (salt fog test) and UBC standard 7-2 (positive pressure).

Detex Limited Warranty

10 Year Mechanical/3 Year Electrical



Single Door



Double Doors with key removable mullion



Exit Devices

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 core rim cylinders
- 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



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.



Cylinders sold separately

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

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 a 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

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.

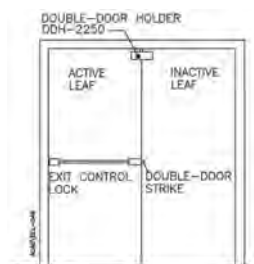
Benefits

- 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



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
- Retrofits 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
- Retrofits cylindrical and tubular locksets with 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
- Retrofits 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.
- ADA compliant levers
- 3 year limited warranty



Alarm Locks

Trilogy T2 & T3 Series

Trilogy T2: Electronic Cylindrical Digital Locks



Trilogy T3: Choice Of Audit Trail Pushbutton Locks



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 lock-out 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 interchangeable 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

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

Standalone Electronic Lock

CO Series



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

Standard Lever Styles



Sparta



Rhodes
CD-100 Series



Athens



Tubular



Keypad Lock

nexTouch Keypad Lock

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.

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

Standard Lever Styles

Augusta (AU)
Lever: Cast Zinc



Monroe (MO)
Lever: Cast Zinc



Pacific Beach (PB)
Lever: Cast Zinc



RCI 4114-05-32D Series

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

Electric Strikes

- 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 feature 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 as 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.



Electric Strikes

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 24VDC. 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 adjustability
- 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 dead-bolt. 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

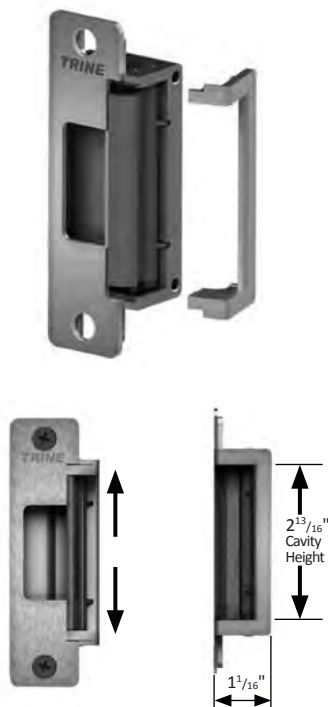
*Please note that electronics are for individual solenoids – and the 4100DBDL may have both units activated at the same time.



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 lockset 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

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



Electric Strikes

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"

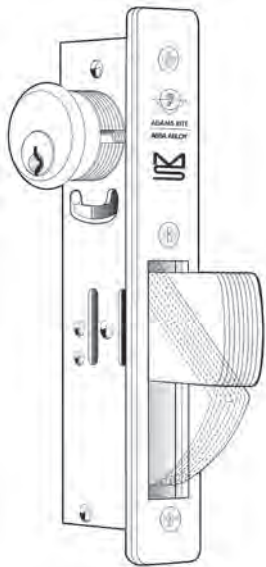


Deadlocks & Deadlatches



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

Case

Steel with corrosion-resistant plating, measures 1" x 6" x depth. Depth varies by backset (see table in catalog).

Bolt

5/8" x 1-3/8" x 2-7/8" with 1-3/8" throw. Eight-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws. Faceplate: Measures 1" x 6-7/8".

Strike

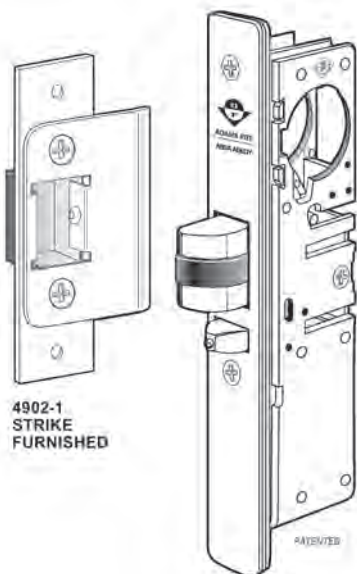
See mfg for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike, and armored strike are available separately.

Cylinder Cam

Operable by any standard mortise cylinder with MS® cam, dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See CYLINDERS section for cylinder make, thumbturn and trim ring information.

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

Case

Measures 1" x 5-13/16" x depth. Depth varies by backset. Steel with corrosion-resistant plating.

Latchbolt

1/2" x 1" x 1/2" throw. All metal with hardened steel internal pins. Handing is reversible without special tools.

Auxiliary Latchbolt

All metal. Deadlocks latch bolt to prevent "loading" or case-knife entry.

Strikes

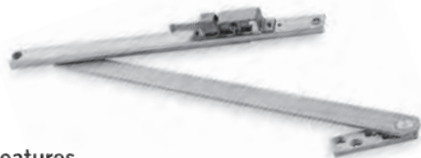
Standard strike furnished is 4902-01 for flat jamb where door closes flush or nearly flush. Available separately: radius strike for opposite stile in paired doors; longer strike (4901) to cover slot strike of MS lock; long lip strikes for center hung doors.

Cylinder Cam

Operable by any standard mortise cylinder with MS® cam, dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See CYLINDERS for cylinder make, thumbturn and trim ring information.

GLYNN-JOHNSON®

100 Series Medium Duty



Features

- Concealed model
- Non-handed
- Single/Double acting doors
- US3, US4, US10, US10B, US32, US32D, SP4, SP10, SP28, SP313 SPBLK

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
- US3, US4, US10, US10B, US32, US32D, SP4, SP10, SP28, SP313 SPBLK

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
- US3, US4, US10, US10B, US32, US32D, SP4, SP10, SP28, SP313 SPBLK

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

HL6 Series

Push/Pull Latch



Features

- Mounts in six positions
- Four backset sizes 2", 3", 5", 7"
- Non-handed
- No fusible link to fail
- UL listed for all labeled metal/wood doors
- US3, US4, US10, US10B, US26, US26D US32, US32D

Options

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

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.

Hold Open Arms, Push/Pull Latch

PL7/PL8HL6

Privacy Function



Features

- Mounts in three positions
- Four backset sizes 2", 3", 5", 7"
- Non-handed
- No fusible link to fail
- US3, US4, US10, US10B, US26 US26D, US32, US32D

Options

- B: Brass base material for US26/US26D
- E: Engraved handles PUSH/PULL
- 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.

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

CAL-ROYAL
P R O D U C T S, I N C.

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



CAMH69
6" x 9"



CAWH69
6" x 9"



CARSH69
6" x 9"



CACCS69
6" x 9"



CAEXT69
6" x 9"



CAM1348
1 3/4" x 8"



CAW1348
1 3/4" x 8"



CARS1348
1 3/4" x 8"

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

TDUW8 - 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

TWOC14 - White on Black-Decal 1-1/2" x 27-1/2"



TBOC19 - Black on Clear-Decal 1-1/2" x 27-1/2"

Door Hardware

CAL-ROYAL
P R O D U C T S, I N C.

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

Length: 8"

Width: 1"

Projection: 1 5/8"

Bolt Throw: 1 3/16"

ESBUL12

Length: 12"

Width: 1"

Projection: 1 5/8"

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



Guide

Length: 2"

Width: 1"

Thickness: 5/64"

Body

Length: 6 3/4"

Width: 1"

Depth: 1 1/8"

Strike

Length: 2 1/4"

Width: 1"

Thickness: 5/64"

Rod: 1/4" - 20

threaded

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"

Projection: 3 5/8"

Strike Height: 1 1/2"

Strike Width: 1 3/16"

Strike Projection: 1"

Hook: 2 3/4"

Eye: 1 3/8" x 1 1/8"

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



Base Diameter: 2"

Height from floor to

stop centerline: 2 5/8"

Stop Diameter: 1"

Hook: 2 5/8"

Eye: 1" x 1 1/2"

Overall Height: 3 5/8"

Zinc Die Cast Drop Down Door Holder

- Vinyl rubber stop with concentric groove design for maximum non-slide 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

Base Height: 1/8"

Overall Height: 1"

Base Dia: 1 3/4"

DSHP18

Base Height: 3/8"

Overall Height: 1 3/8"

Base Dia: 1 3/4"



Door Hardware

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, 26, 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



FB61P Constant Latching Flush Bolts - Wood Doors



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



Door Hardware

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"
- Finishes: US3, US4, US10, US10B, US26, US26D & US28

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"
- Finishes: US3, US4, US10, US10B, US26, US26D & US28

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"
- Finishes: US3, US4, US10, US10B, US26, US26D & US28

WS447 Wall Door Stop for Drywall Mounting



- Base Diameter: 2-1/4"
- Overall Projection: 3-11/16"

Finishes: US3, US4, US10, US10B, US26, US26D & US15

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 plat-form 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").

Body Size:

1" Wide x 6-3/4" Long x 2" Deep

Guide Size:

1" Wide x 1-27/32" Long x 27/32" High x 3/32" Thick

Strike Size:

15/16" Wide x 2-1/4" Long x 1/16" Thick

Rub Plate Size:

1-1/4" Wide x 1-11/16" Long x 3/64" Thick

Finishes: US3, US4, US10, US10B, US32 & US32D

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

Flush Pull Finishes: US3, US4, US5, US10, US10B, US15, US26 & US26D

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.

Finishes: US3, US4, US5, US10, US10B, US15, US26 & US26D

327 Super-Mite Heavy Duty Magnetic Catch



Dual triple pole. Self-aligning magnets insure maximum pull. Can be surface mounted or mortised. Aluminum case. Packed with sheet metal screws, 2 short strikes, and 1 long strike. 14 lbs. Load Capacity.

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.

Fits 2-3/4" x 2-3/8" backsets.

- 3" x 11"

Finishes: Plated: BP (brass), CP (Chrome), DU(Duro), SL (Sliver), PC (prime)



ROCKWOOD®

ASSA ABLOY

Edges

Material: .050" brass, bronze, prime coated steel, stainless steel

Finishes: Available in standard architectural finishes

Fasteners: #6 x 5/8" FH SMS

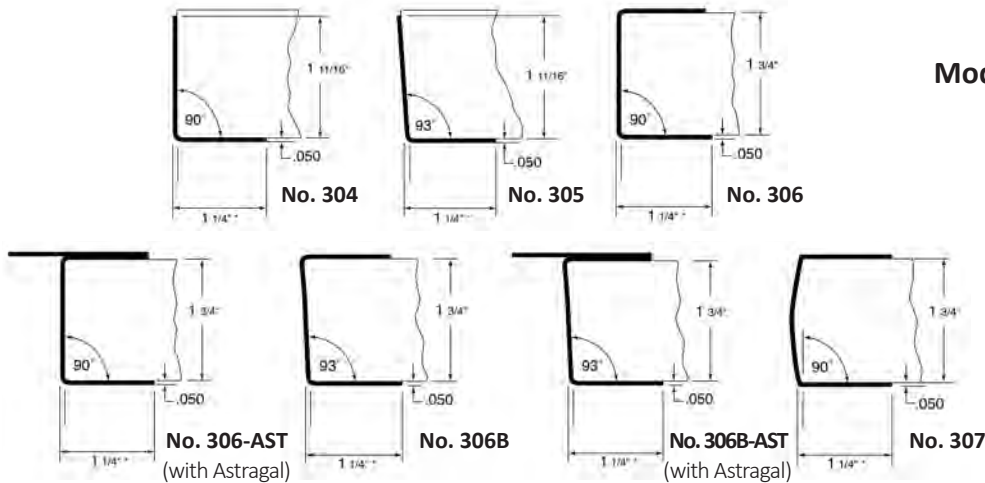
Features: Door edges are sized for 1-3/4" thick wood or metal doors. Advise if your door is another thickness.

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.

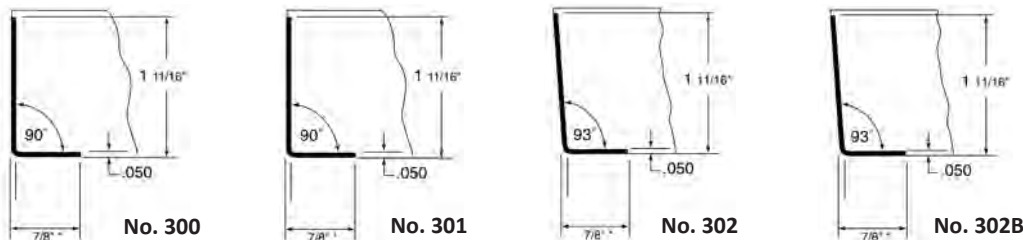
Non-Mortise Door Edges

Models: 304, 305, 206, 306-AST, 306B, 206B-AST, 307



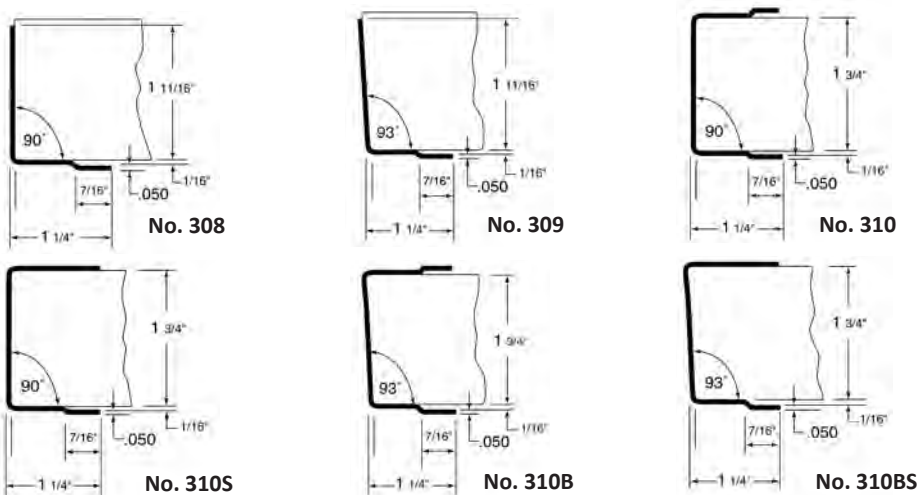
Mortise Door Edges

Models: 300,301,302,202B



Overlapping Door Edges

Models: 308,309,310,310S, 301B, 301BS



Push Plates, Push Bars & Kick Plates



Push Plates

Model 70C
4" x 16"
Square



Model 70RC
4" x 16"
Rounded Corners



Combination Push Pull
Models: 91, 92, 93
.125" gauge



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.

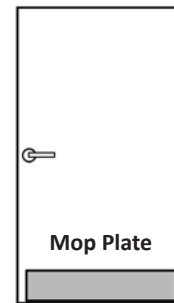
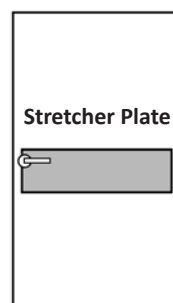
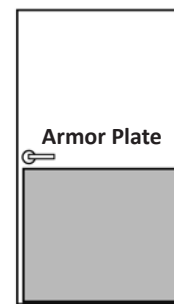
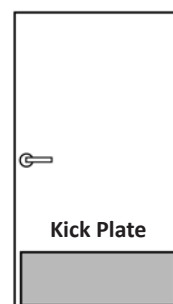
Stainless Steel: 18 ga. (.038), 16 ga. (.050) and 14 ga. (.062) to 48" height. Satin finishes (US32D) plates are masked for finish protection. Plates can be applied to doors with masking intact. Pattern Stainless 5WL stocked in 18 ga. (.038).

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

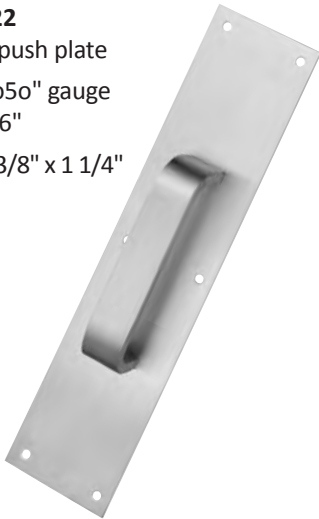
Door Pulls

Model 122

with 70C push plate

Corner: .050" gauge
with pull 6"

CTR Size: 3/8" x 1 1/4"



Model 131

Cast Door Pull



Model 122



Models: 102, 105, 106, 107, 108, 109

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"



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"



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: 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.

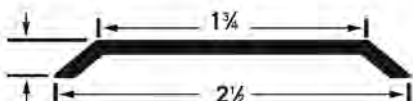
Caution: On narrow stile doors be sure to push bar base fits on the stile and bar does not interfere with the stop.

Handicap Thresholds, Saddle Fluted Tops & Sill Extensions

Dorbin

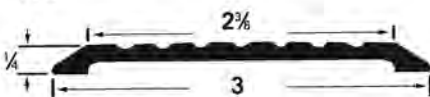
Handicap Thresholds

72A



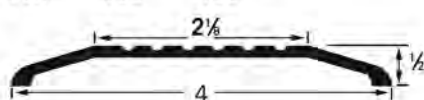
Product #	Finish
72	A

77A



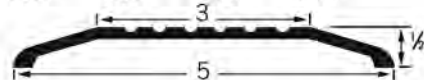
Product #	Finish
77	A

78A 78B 78D



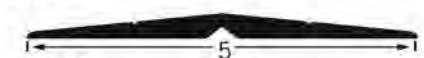
Product #	Finish
78A-36"	A
78A-42"	A
78A-48"	A
78A-60"	A
78A-72"	A
78A	B,D

79A 79B 79D 79G



Product #	Finish
79A-36"	A
79A-42"	A
79A-72"	A
79A-96"	A
79A	B,D,G

179A



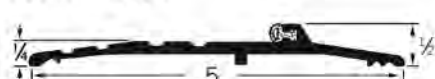
Product #	Finish
179	A

379A 379B 379D



Product #	Finish
379	A,B,D

259AV 259DV



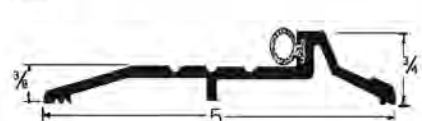
Product #	Finish
259	AV
259	DV

261



Product #	Finish
261AV-36"	AV
261AV-42"	AV
261AV-48"	AV
261AV-60"	AV
261AV-72"	AV
261AV-97"	AV
261	DV

262



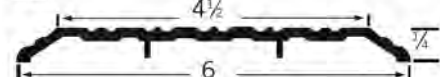
Product #	Finish
262AV-36"	AV

7A



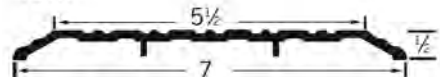
Product #	Finish
7A-36"	A

80A



Product #	Finish
80A-36"	A
80A-48"	A
80A-72"	A

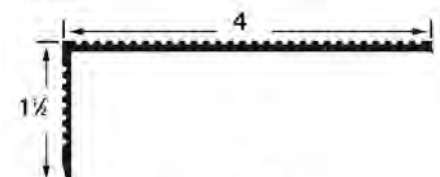
181A



Product #	Finish
181	A

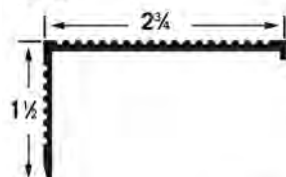
Saddle Fluted Top

800A



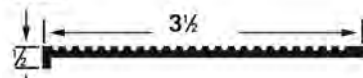
Product #	Finish
800A-36"	A

801A



Product #	Finish
801	A

802A

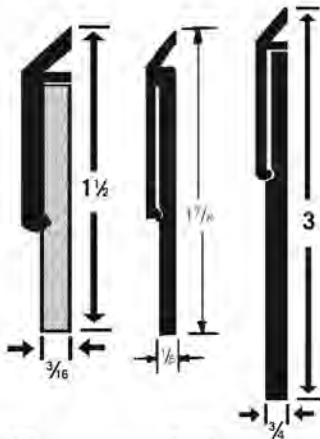


Product #	Finish
802	A

Dorbin

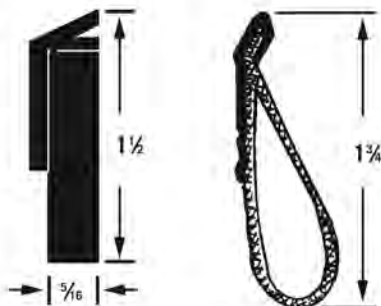
Door Sweeps

139AN 239AN 83AN
139BN 83BN
139DN 83DN
139GN 83GN



Product #	Finish	
139	AN,BN,DN,GN	
83	AN,BN,DN,GN	
Product #	Size	Finish
239	36"	AN
	48"	AN

339AN 83AL
339DN



Product #	Finish
339	AN,DN
83A-36"	AN
83A-42"	AN
83A-48"	AN
83A	BN,DN,GN

99AP
99DP
99GP



Product #	Finish
99	AP,DP,GP

23AP
23DP
23GP



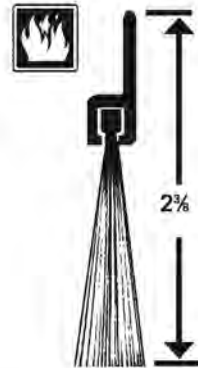
Product #	Finish
23AP-36"	AP
23	DP,GP

223AP
223DP
223GP



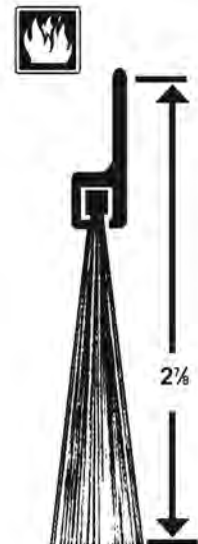
Product #	Finish
223AP-36"	AP
223AP-48"	AP
223	DP,GP

5AP



Product #	Finish
5AP	AP

6AP

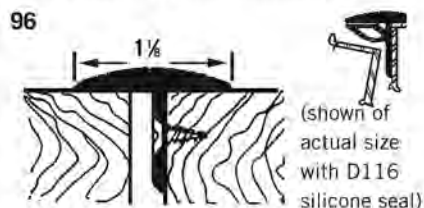


Product #	Finish
6AP	AP

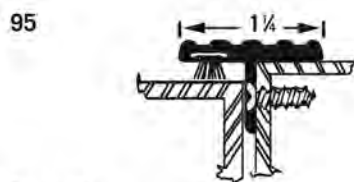
Double Door Equipment, Weatherstripping & Door Bottoms

Dorbin

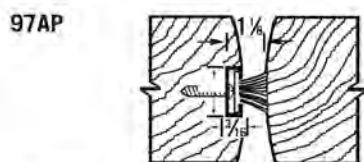
Double Door Equipment Weatherstripping



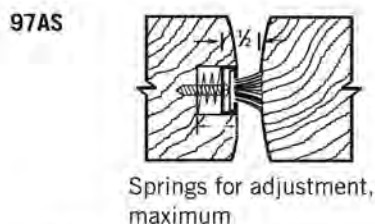
Product #	Finish
96	A,D,G



Product #	Finish
95AP-96"	AP



Product #	Finish
97AP-96"	AP



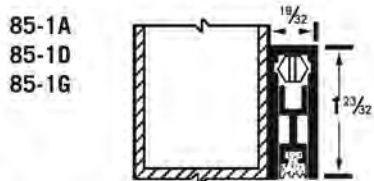
Product #	Finish
97	AS



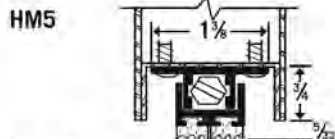
Product #	Finish
98	AN,DN,GN

Automatic Door Bottoms

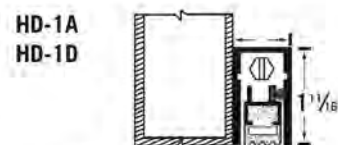
Full Mortise & Surface type door. Bottoms are reversible (non-handed). Furnished with closed cell sponge neoprene gaskets. may be trimmed 4" from lock end only, unless bottom is under 30" in length. Max Drop 7/8". Fire Rated: Door Bottom Seals for use on wood or steel doors in up to 3 hours location.



Product #	Finish
85-1 36"	A
85-1 48"	A
85-1	D,G



Product #	Finish
HM5-36"	*

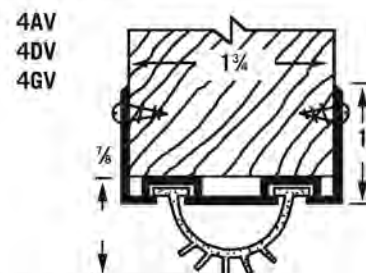


Product #	Finish
HD-1-36"	A
HD-2-36" (concealed)	A

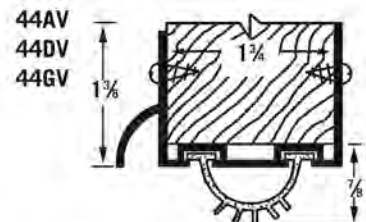


Product #	Finish
185-36"	A

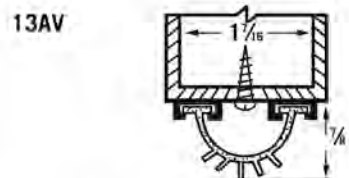
Door Bottoms



Product #	Finish
4AV-36"	AV
4AV-42"	AV
4AV-48"	AV
4	DV,GV



Product #	Finish
44AV-36"	AV
44	GV,DV

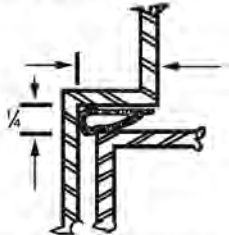


Product #	Finish
13AV-36"	AV

Dorbin

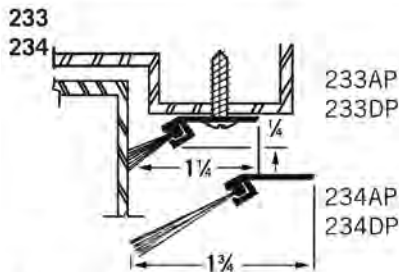
Head & Jamb Weatherstrips, Adjustable Astragal & Drip Caps

Head & Jamb Weatherstrips D116



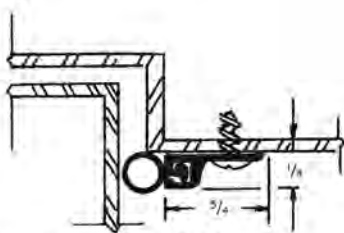
Silicone with Adhesive Backing

Product #	Finish
D116-17'	*
D116-20'	*



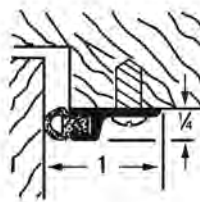
Product #	Finish
233	AP, DP
234	AP, DP

199AS



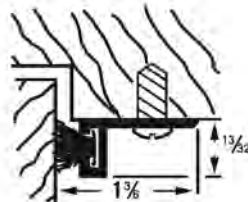
Product #	Finish
199S-20' (6'0" x 7'0")	AS
199S-17' (3'0" x 7'0")	AS
199S-18' (4'0" x 7'0")	AS
199S-19' (3'0" x 8'0")	AS
199S-20' (4'0" x 8'0")	AS
199S-36"	AS
199S-48"	AS
199S-84"	AS
199S-96"	AS
199S	D, G

399AV



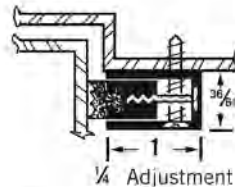
Product #	Finish
199	AV, DV, GV

599



Product #	Finish
599	AP, DP, GP

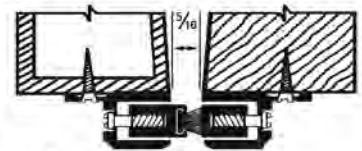
650



Product #	Finish
650AN	AN
650DN	DN

Adjustable Astragal

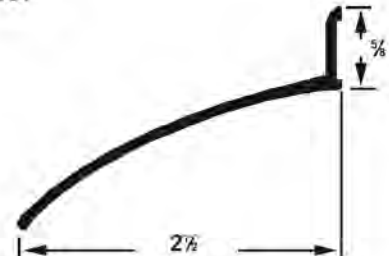
P500A



Product #	Finish
P500	A

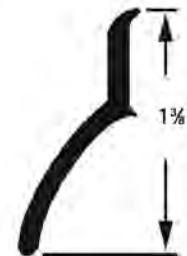
Drip Cap

101



Product #	Finish
101AE-36"	A
101AE-48"	A
101AE	B, D, G

102



Product #	Finish
102AE-36"	A
102AE-48"	A
102AE	B, D, G

Dorbin Finishes

Code	Finish
A	Aluminum
B	Bronze
B	Architectural Bronze
D	Dark Brown Anodized of Paint
E	EPDM- Rubber Polymer
F	Felt

Code	Finish
G	Gold
N	Solid or Closed Cell Neoprene
P	Pile
SS	Stainless Steel
V	Vinyl
Z	Zinc

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-4262 ConturaSeries®

Surface-Mounted Paper Towel Dispenser
with TowelMate



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-4369 ConturaSeries®

Recessed Paper Towel Dispenser/Waste
Receptacle with TowelMate and LinerMate

B-43699 ConturaSeries®

Surface-Mounted 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-2974 Automatic

Universal Surface Mounted Roll Towel

B-29744

Semi Recessed Option



Intuitive, patron-friendly light directs users to towel activation zone. Satin-finish stainless steel. Door has tumbler lock and piano-hinge. Unit 15" W, 18 1/4" H, 9" D (385 x 465 x 230mm). Battery requirements: 4 Alkaline "D" Cells (not included).

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 70dB(A) 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. Secured to concealed wall hanger with theft-resistant mounting. 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-301 Classic Series® **Recessed Seat-Cover Dispenser**



Satin-finish stainless steel. Seamless beveled flange. Dispenses 500 toilet seat covers. Rough Wall Opening: 15 5/8" W, 11" H, 2 5/8" min. depth (395 x 285 x 67mm).

B-2888 Classic Series® **Surface-Mounted Multi-Roll Toilet Tissue Dispenser**

B-3888 Classic Series® **Recessed 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).

Washroom Products



B-2740 Classic Series®

Toilet Tissue Dispenser for Two Rolls

B-2730 Classic Series®

Toilet Tissue Dispenser for Two Rolls



Cast aluminum, satin finish. Plastic spindles, concealed locking device; theft-resistant. Holds two rolls up to 6" (150mm) diameter (2000 sheets). Unit 12 1/2" (320mm) wide, proj. 4 7/8" (125mm) from wall. No controlled delivery.

B-265 Classic Series®

Surface-Mounted Vandal-Resistant Toilet Tissue Dispenser for Two Rolls

B-265 Classic Series®

Single Roll



Cast aluminum, satin finish. Plastic spindles, concealed locking device; theft-resistant. Holds two rolls up to 6" (150mm) diameter (2000 sheets). Unit 12 1/2" (320mm) wide, proj. 4 7/8" (125mm) from wall. No controlled delivery.

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.

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.

819388

1-1/2" Diameter Wall to Floor Grab Bar with Socket End



Grab bar shall be type-304 stainless steel with satin-finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter with concealed mounting flange. Grab bar shall comply with accessible toilet compartment guidelines (including ADAAG in the U. S. A.) for structural strength.

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).



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.

670-07
Mailbox Lock


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.

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

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

Single Row Rough Wall Opening Height 15 5/16"	Double Row Rough Wall Opening Height 13 1/8"		
Total No. of Tenants	Total No. of Tenants	Arrangement & No. of Boxes in Each Row	Opening Width
3	6	3	1' 5 3/8"
4	8	4	1' 10 7/8"
5	10	5	2' 4 3/8"
6	12	6	2' 9 7/8"
7	14	7	3' 3 3/8"
8	16	4-4	3' 11"
9	18	5-4	4' 4 1/2"
10	20	5-5	4' 10"
11	22	5-6	5' 3 1/2"
12	24	6-6	5' 9"
13	26	6-7	6' 2 1/2"
14	28	7-7	6' 8"
15	30	5-5-5	7' 3 5/8"
16	32	5-6-5	7' 9 1/8"
17	34	6-5-6	8' 2 5/8"
18	36	6-6-6	8' 8 1/8"
19	38	6-7-6	9' 1 5/8"
20	40	7-6-7	9' 7 1/8"
21	42	7-7-7	10' 5/8"
22	44	5-6-6-5	10' 8 1/4"
23	46	5-6-6-6	11' 1 3/4"
24	48	6-6-6-6	11' 7 1/4"

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.

Powder Coated Steel



High-tech quality at an economical price. Thermoset hybrid powder finish on galvanized 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.

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

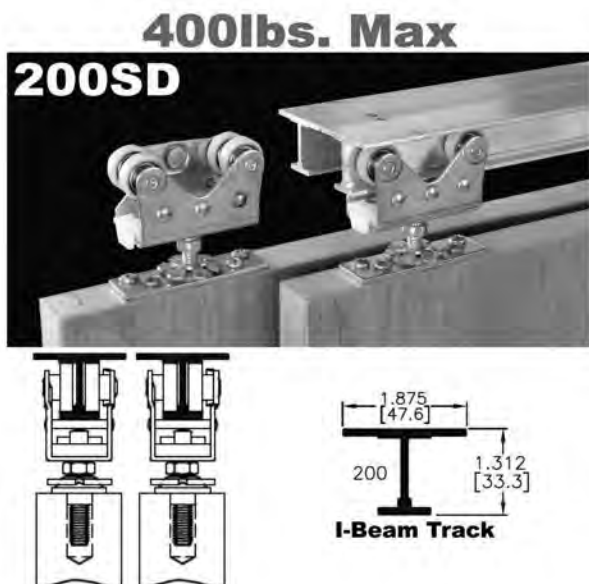
Metal Parts & Plastic Laminate Parts

Urinal Screens

Powder coated & Stainless Steel

Headrails, Showers & Misc Items

Sliding 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.



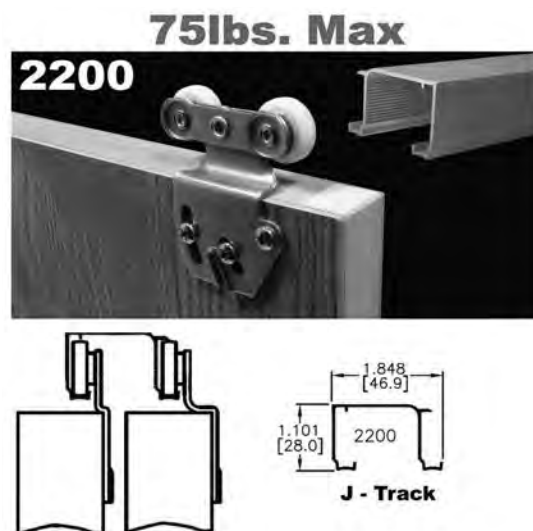
134F, 138F Series For 1-3/8" - 1-3/4" panels up to 125 lbs.

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.

A deluxe residential grade hardware. Aluminum fascia tack with convex rails and 7/8" dia. Machine turned wheels. Ideal for drywall return openings. .052 6063T6 Alum. Track, 13-18 gauge steel parts.



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



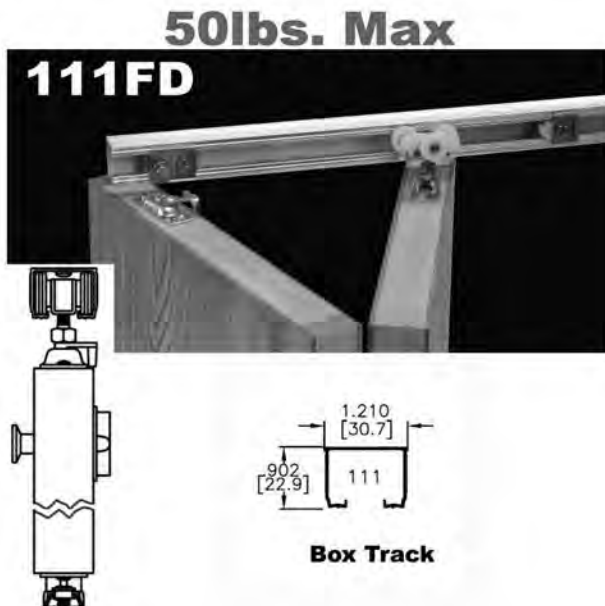
For 1-3/8" - 1-3/4" panels up to 125 lbs .

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.



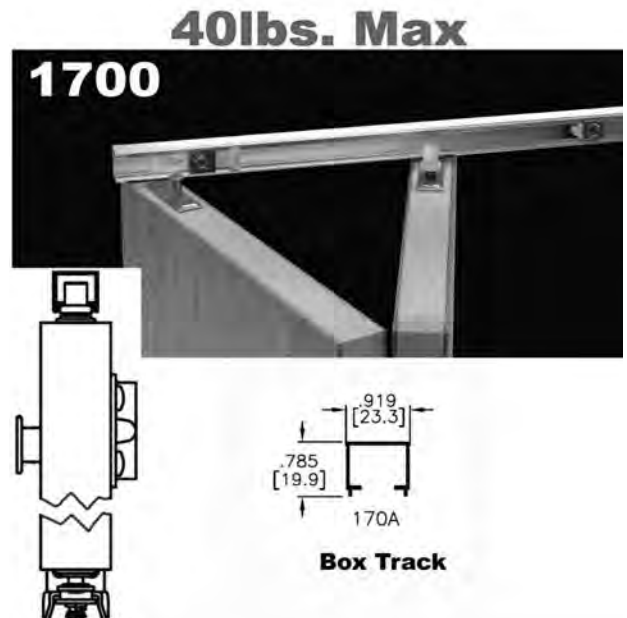
For 1-3/8" - 1-3/4" panels up to 75 lbs.

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.

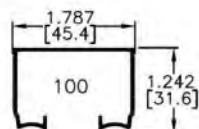
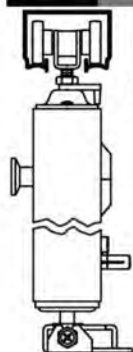
A deluxe residential bi-fold hardware for 12"- 24" panels up to 9/0 high. Top hung, surface mounted pivots, positive pivot lock, heavy gauge painted steel track, "breathing" hinges. 22 gauge steel track, 14-16 gauge steel parts.

Multi-Fold Door Hardware



50lbs. Max

100RD



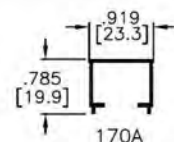
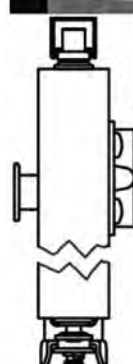
I-Beam Track

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.

15lbs. Max

1740



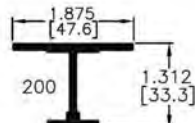
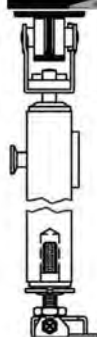
Box Track

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.

75lbs. Max

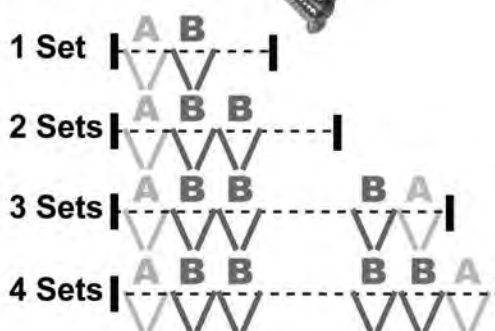
200RD



I-Beam Track

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.

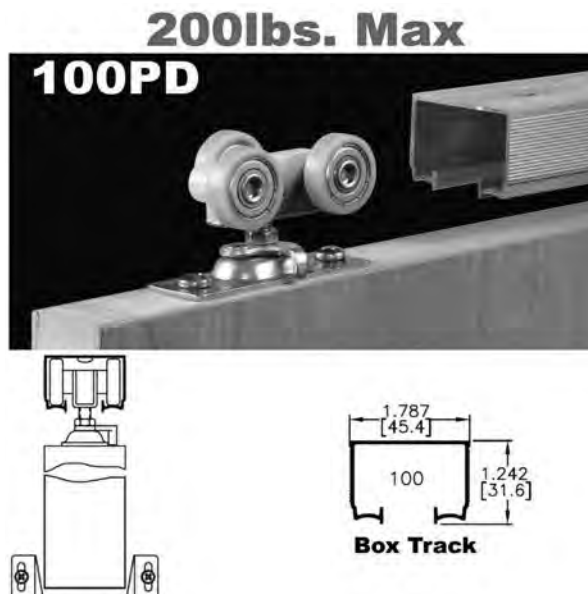
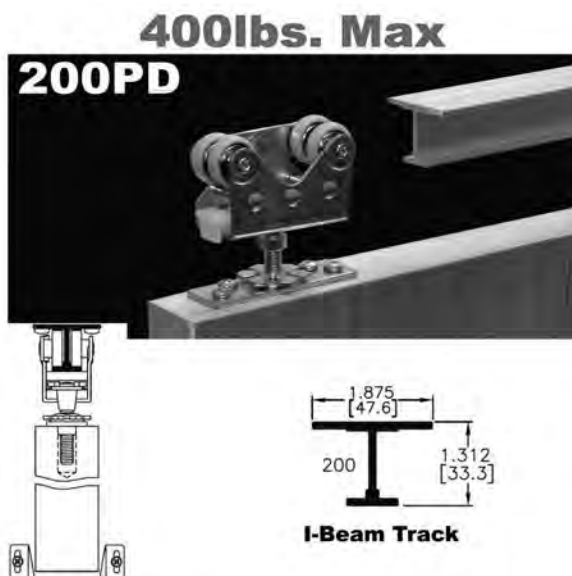


Door Jamb Brackets

Unique folding door jamb bracket attaches to jamb, allowing flexibility in floor covering materials.



Pocket Door Hardware

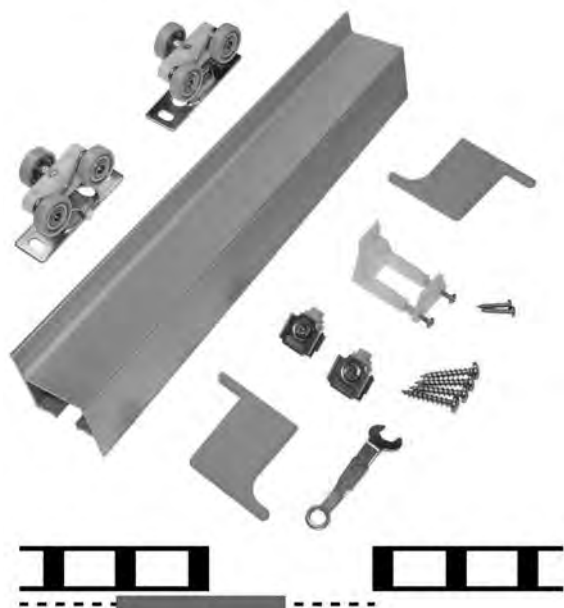


200 PD For 1-1/8" or larger panel up to 300lbs.

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.

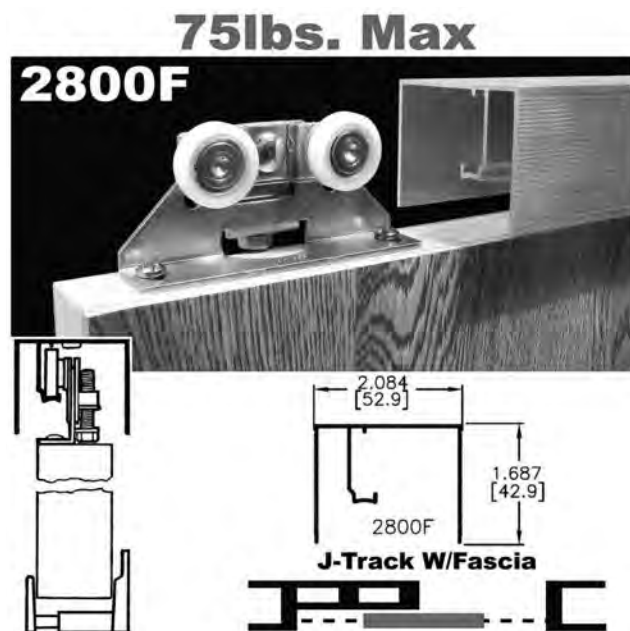
100PD For 1-3/8" -1-3/4" panels up to 125 lbs.

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.

Designed for surface mounting where construction prohibits using regular pocket doors. Wall mounted door guide. Tricycle hangers, jump proof convex rail track. .055 6063T6 Alum. Track, 14-18 gauge steel parts.



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.

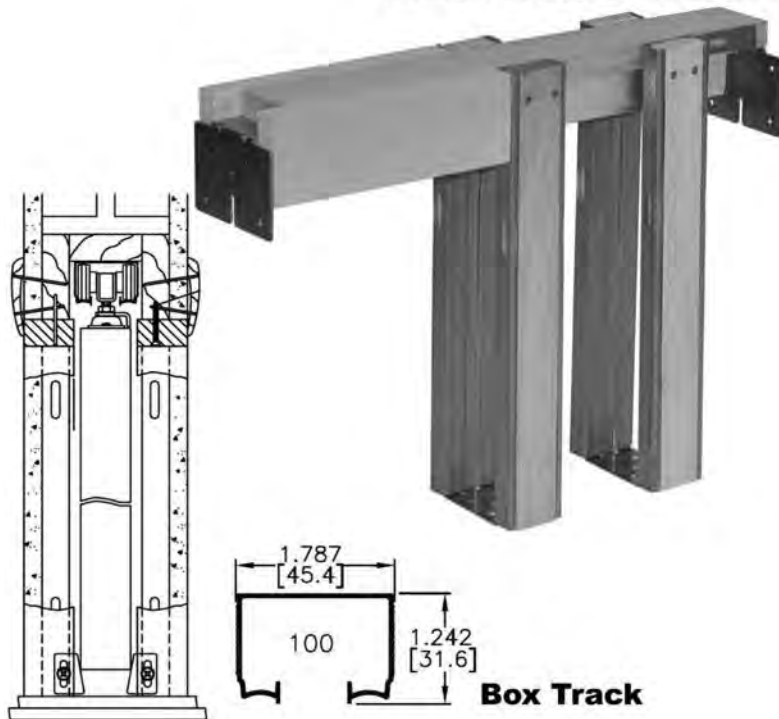


Pocket Door Frame Kits



Series 1500

125lbs. Max



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.

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.

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 special screw pattern to span the lead lining on a door with lead mounted in middle. If lead is mounted elsewhere 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.

Schuham Builder's Supply Co., Inc.
CREDIT APPLICATION FOR A BUSINESS ACCOUNT

BUSINESS CONTACT INFORMATION

Title		Date business commenced	
Company name		<input type="checkbox"/> Sole proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input type="checkbox"/> Other	
Phone Fax			
E-mail			
Registered company address City, State ZIP Code			

BUSINESS AND CREDIT INFORMATION

City, State ZIP Code		Bank name:	
How long at current address?		Primary business address City, State ZIP Code	
Phone		Phone	
Fax		Account number	
E-mail		Type of account	<input type="checkbox"/> Savings <input type="checkbox"/> Checking <input type="checkbox"/> Other

BUSINESS/TRADE REFERENCES

Company name		Phone	
Address		Fax	
City, State ZIP Code		E-mail	
Type of account		Other	
Company name		Phone	
Address		Fax	
City, State ZIP Code		E-mail	
Type of account		Other	
Company name		Phone	
Address		Fax	
City, State ZIP Code		E-mail	
Type of account	<input type="checkbox"/> Savings <input type="checkbox"/> Checking <input type="checkbox"/> Other	Other	

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

Signature		Signature	
Name and Title		Name and Title	
Date		Date	



4640 N ELSTON AVE.

CHICAGO, IL 60630

E- MAIL address: dales@schuham.com

TERMS OF SALE

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

Notes

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