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QUALITY BUILDER'S HARDWARE SINCE 1876

History

A pioneer of the hardware products industry, Lawrence Hardware has a remarkable history of success and innovation. The company proudly traces its origins back to 1876 when the Lawrence Brothers, John and Edwin, bought part ownership in a hardware store.

For more than 140 years, Lawrence Hardware has been firmly committed to being at the forefront of the markets that it serves. This has been accomplished by putting customers first, a commitment that has guided the company from the beginning. By putting customers first Lawrence Hardware is able to create true value. This is achieved through the continuous redefinition and reinforcement of new and existing products in our portfolio. By being a cost-effective alternative coupled with a rock solid commitment to being customer centric, the future looks bright.

Lawrence Hardware Milestones

- Founded in 1876 by brothers, John and Edwin Lawrence.
- Became a Patented producer of barbwire.
- Began manufacturing farm products.
- Expanded their product line and markets they served as business flourished.
- Penetrated the international market by the 1920's. Shipping products to South America, Australia and New Zealand.
- Added commercial ball bearing hinges to the product line in the 1930's making Lawrence Hardware a full-line hardware manufacturer.

Vision

To become the preferred global provider of architectural door hardware in all of the markets we serve. Attaining our vision requires a firm commitment to continuous improvement in every area of the organization.

Mission

To achieve our vision, Lawrence Hardware will leverage its inspirational past and set stretch goals. Our people will continue to exhibit the value of looking after the customer. The culture of our entire organization from the manufacturing factories to the front end of the business will, without question, allow us to meet our objectives.

Innovation

Innovation is woven into the very fabric of our company. We will never stop striving to make the extraordinary happen. Our customers range from small to large size commercial hardware suppliers. They cover a myriad of different types of businesses from contract hardware, aluminum door manufacturers to wholesale distributors. Their aim, like ours, is to deliver a superior product at a fair price.

Quality

Quality at a fair price largely determines value. We believe quality products and service are the primary factors that determine customer satisfaction and loyalty. Our knowledgeable employees not only allow Lawrence Hardware to provide timely delivery of standard products but can also recommend appropriate solutions to meet specific requirements for custom applications. Our extensive product line, designed to exceed standards, will deliver the performance discerning end users are looking for.

Lawrence Hardware is always looking for ways to enhance the customer experience and find ways to further benefit our customers. One of the ways we do this is by regularly adding new products to our extensive line to meet and exceed your evolving needs.

Lawrence Hardware has several technologically advanced, state-of-the-art manufacturing facilities strategically located around the world. The benefits include.

- Extensive product line
- Strong warranties
- Timely deliveries
- Value
- Custom design and manufacturing

Custom Manufacturing

When it comes to custom manufacturing to your exacting specifications, let Lawrence Hardware be your first choice. We will exceed your expectations utilizing our engineers, designers and product specialists.

It's not unusual for custom manufacturers to take 12 to 16 months to complete a project, from start to finish. Most professionals in the hardware industry would agree this is often an insurmountable obstacle to the pursuit of custom solutions. At Lawrence Hardware we have the capabilities to deliver a custom project in 7 to 9 weeks. That's from concept, to end product which includes design, engineering, tooling, manufacturing and logistics. This entire process is achieved without sacrificing superb quality and craftsmanship at a fair price.

Partnership

The Lawrence Hardware name is synonymous with value, innovation and integrity. Our talented and passionate team will help us to achieve our vision. Let us help your business to fulfill its vision. We want to partner with companies we can align our philosophies with and reap the many rewards that follow from a mutually beneficial relationship.

It is our pleasure to present our new catalogue. While the core products are the same please take time to review all of the pages and you will see many additions to our product line. Not only do we have exciting new products, such as 3D hinges and Universal Flush Bolts, we also have many new lever designs and line extensions. We trust you will find this refreshed catalogue to be a valuable tool to guide you through your architectural hardware needs.

The corporate values remain - integrity, quality, and innovation.

TERMS AND CONDITIONS

General Terms and Conditions of Sale:

All sales by Lawrence Hardware Inc. of the items in this catalogue and price book are made in accordance with these standard terms and conditions. All prices are per unit (each) unless otherwise specified and do not include sales or local taxes. All prices are in U.S. Dollars unless otherwise stated.

Prices:

Orders are acknowledged with the understanding that they will be invoiced at prices in effect at the time of shipment. Except in cases where firm prices have been quoted on contract orders. All prices are subject to change without prior notice.

Terms:

Net 30 days. Late charge of 1.5% per month on past due accounts.

Minimum Invoice:

No order will be processed for less than \$50.00 net plus shipping charges.

Freight Policies:

All goods are shipped Freight on Board (F.O.B.) Lawrence Warehouse. Full freight will be allowed on all orders equal or greater than \$2500.00 Net within the continental United States and Canada excluding Hawaii and Alaska. Carrier to be selected by Lawrence Hardware Inc. Air Freight and other requested shipments are at the expense of the consignee or customer. Cash on Delivery (C.O.D.) freight charges are to be paid by consignee or customer.

Return Goods:

Return goods will not be accepted without prior approval and a Return Goods Authorization (R.G.A.) issued by the Customer Service department. Merchandise must be packaged properly in original cartons and not be modified or installed. Full credit or replacement will be made at the option of the company if goods were shipped in error or defective in material or workmanship. Other authorized goods to be returned for credit will be charged 35% of the net invoice amount. Cash refunds will not be issued. Merchandise may not be returned after 6 months from date of shipment and special order merchandise are not returnable.

Cancellation:

Cancellation of orders for standard stock merchandise will be accepted only if made in writing and received one week prior to the scheduled ship date. Special or custom orders for non stock material may not be cancelled.

TERMS AND CONDITIONS

Claims:

Please notify us promptly of any discrepancy in shipments or invoicing. All claims to be reported to us within one week after receipt of merchandise. Claims reports shall include purchase order number and invoice number. No claim for damage, shortage, or loss in transit will be accepted unless notice in writing is given to the carrier and to us within 10 days of receipt of goods.

Back Charges:

Lawrence Hardware Inc. is not responsible for, does not authorize and will not accept charges for the cost of labour, or material incurred by anyone for installation, repair, service, or replacement to any product of our manufacture unless specifically authorized by an officer of this company.

Limited Warranty:

Lawrence Hardware Inc. warrants that its products sold under the "Lawrence Hardware" trade name in the United States of America are free from defects in workmanship and materials under normal use and service.

This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, corrosion, erosion, ordinary wear and tear, misuse, abuse, accident, unauthorized service, or used with unauthorized non-Lawrence Hardware products or parts.

This warranty is void if any modification is made to the warranty product, regardless of whether the modification causes or contributes to the alleged defect. All modifications are made at the risk of the party making the modification.

The only liability of Lawrence Hardware Inc. in tort or contract whether under this warranty or otherwise, shall be limited to the repair or replacement of any product or component part which shall prove defective as covered by this warranty within the stated time period listed below, after delivery to the original purchaser.

Models and Functions:

| Cylindrical Locks | Closers | Exit Devices | Hinges |
|--------------------|--------------------|--------------------|---------------------|
| Grade 1 - 10 Years | Grade 1 - 25 Years | Grade 1 - 10 Years | Stainless - 5 Years |
| Grade 2 - 5 Years | Grade 2 - 5 Years | Grade 2 - 5 Years | Steel - 1 year |



LAWRENCE®
HARDWARE INC.

[BUTT HINGES



Section 1A Butt Hinges

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Hinges Full Mortise Hinges - Standard Weight

Full mortise hinge for use on medium weight doors that have medium to high frequency service. They are suitable for hollow metal or wood doors.



LH179BB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Standard Weight 5 Knuckle 2 ball bearing hinges Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .134 | (3.4) |
| | 4-1/2" x 4-1/2" | (114X114) | .134 | (3.4) |
| | 5" x 4" | (127X102) | .146 | (3.7) |
| | 5" x 4-1/2" | (127X114) | .146 | (3.7) |
| | 5" x 5" | (127X127) | .146 | (3.7) |

Finishes: US26, US26D, US10B

Options: NRP/ETW/PIC/RC

cUL Listing stamp for fire

See page 15-17 for details



LH191BB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Standard Weight 5 Knuckle 2 ball bearing hinges Stainless Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .134 | (3.4) |
| | 4-1/2" x 4-1/2" | (114X114) | .134 | (3.4) |
| | 5" x 4" | (127X102) | .146 | (3.7) |
| | 5" x 4-1/2" | (127X114) | .146 | (3.7) |
| | 5" x 5" | (127X127) | .146 | (3.7) |

Finishes: US32D

Options: NRP/ETW/PIC/RC/HT

cUL Listing stamp for fire

See page 15-17 for details

Hinges Full Mortise Hinges - Standard Weight

Full mortise hinge for use on medium weight doors that have medium to high frequency service. They are suitable for hollow metal or wood doors.



LH1379CB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Standard Weight Concealed bearing 3 knuckle hinges Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .134 | (3.4) |
| | 4-1/2" x 4-1/2" | (114X114) | .134 | (3.4) |
| | 5" x 4" | (127X102) | .146 | (3.7) |
| | 5" x 4-1/2" | (127X114) | .146 | (3.7) |
| | 5" x 5" | (127X127) | .146 | (3.7) |

Finishes: US26, US26D, US10B

Options: NRP/ETW/PIC/RC

cUL Listing stamp for fire

See page 15-17 for details



LH1391CB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Standard Weight Concealed bearing 3 knuckle hinges Stainless Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .134 | (3.4) |
| | 4-1/2" x 4-1/2" | (114X114) | .134 | (3.4) |
| | 5" x 4" | (127X102) | .146 | (3.7) |
| | 5" x 4-1/2" | (127X114) | .146 | (3.7) |
| | 5" x 5" | (127X127) | .146 | (3.7) |

Finishes: US32D

Options: NRP/ETW/PIC/RC/HT

cUL Listing stamp for fire

See page 15-17 for details

Full Mortise Hinges - Heavy Weight

Full mortise hinge for use on heavy weight doors that have high frequency service. They are suitable for hollow metal or wood doors.



LH168BB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Heavy Weight 5 Knuckle 4 ball bearing hinges
Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .180 | (4.6) |
| | 4-1/2" x 4-1/2" | (114X114) | .180 | (4.6) |
| | 5" x 4" | (127X102) | .190 | (4.8) |
| | 5" x 4-1/2" | (127X114) | .190 | (4.8) |
| | 5" x 5" | (127X127) | .190 | (4.8) |

Finishes: US26, US26D, US10B

Options: NRP/ETW/PIC/RC

cUL Listing stamp for fire

See page 15-17 for details



LH199BB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Heavy Weight 5 Knuckle 4 ball bearing
hinges Stainless Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .180 | (4.6) |
| | 4-1/2" x 4-1/2" | (114X114) | .180 | (4.6) |
| | 5" x 4" | (127X102) | .190 | (4.8) |
| | 5" x 4-1/2" | (127X114) | .190 | (4.8) |
| | 5" x 5" | (127X127) | .190 | (4.8) |

Finishes: US32D

Options: NRP/ETW/PIC/RC/HT

cUL Listing stamp for fire

See page 15-17 for details

Full Mortise Hinges - Heavy Weight

Full mortise hinge for use on heavy weight doors that have high frequency service. They are suitable for hollow metal or wood doors.



LH1368CB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Heavy Weight Concealed bearing 3 knuckle hinges Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .180 | (4.6) |
| | 4-1/2" x 4-1/2" | (114X114) | .180 | (4.6) |
| | 5" x 4" | (127X102) | .190 | (4.8) |
| | 5" x 4-1/2" | (127X114) | .190 | (4.8) |
| | 5" x 5" | (127X127) | .190 | (4.8) |

Finishes: US26, US26D, US10B

Options: NRP/ETW/PIC/RC
cUL Listing stamp for fire
See page 15-17 for details



LH1399CB

Certification: ANSI/BMHA A156.1 and A156.7

Description: Heavy Weight Concealed bearing 3 knuckle hinges Stainless Steel

| Sizes: | Inches | mm | Inches | mm |
|--------|-----------------|-----------|--------|-------|
| | 4-1/2" x 4" | (114X102) | .180 | (4.6) |
| | 4-1/2" x 4-1/2" | (114X114) | .180 | (4.6) |
| | 5" x 4" | (127X102) | .190 | (4.8) |
| | 5" x 4-1/2" | (127X114) | .190 | (4.8) |
| | 5" x 5" | (127X127) | .190 | (4.8) |

Finishes: US32D

Options: NRP/ETW/PIC/RC/HT
cUL Listing stamp for fire
See page 15-17 for details

Full Mortise Hinges - Standard Weight - Economy Hinge

Full mortise hinge for use on medium weight doors that have medium frequency service. They are suitable for hollow metal or wood doors.



LH603BB

Certification: Conforms to A156.7

Description: Standard Weight 5 Knuckle 2 ball bearing hinges Steel

| Sizes: | Inches | mm | Inches | mm |
|-----------------|--------|-----------|--------|-------|
| 4-1/2" x 4" | | (114X102) | .134 | (3.4) |
| 4-1/2" x 4-1/2" | | (114X114) | .134 | (3.4) |

Finishes: US26D

Options: NRP/RC

See page 15-16 for details

Full Mortise Hinges - Standard Weight - Spring Hinge

Fully adjustable; spring tension may be increased or decreased during installation. Apartments, hotel or motel rooms, condominiums and office buildings or anywhere self closing doors are required. Use 2 spring hinges on fire doors, centre and bottom location. All other applications: Up to 70lbs, 1 spring hinge with 2 ball bearing hinges. Spring hinge in centre. Upto 90lbs, 2 spring hinges with 1 ball bearing hinge. Spring hinge in centre and bottom. Upto 120lbs, 3 spring hinges.



LH606SH

Certification: ANSI/BMHA A156.17

Description: Standard Weight, Spring hinges Steel

| Sizes: | Inches | mm | Inches | mm |
|-----------------|--------|-----------|--------|-------|
| 4-1/2" x 4" | | (114X102) | .134 | (3.4) |
| 4-1/2" x 4-1/2" | | (114X114) | .134 | (3.4) |

Finishes: US26D

Options: RC

See page 16 for details

OPTIONS

**NONE REMOVEABLE PIN (NRP)**

NRP: Set screw in barrel lock in loose pin as shown. Set screw is not accessible when door is closed. Specify "NRP" (non-removable pin) when ordering

**ELECTRIC THROUGH WIRE (ETW)**

Electric through wire: for use when power is required to the door. Applications include electrified panics such as electric latch retraction or push pad and/or latchbolt monitoring. Other application include electrically locked or electrically unlocked, card readers and request to exit functions.

Specify: "ETW" hinge and the number of wires required. Normally this feature is available with (2@18AWG), (4@28AWG), (8@28AWG) or (12@28AWG) wire. Standard length is 12" x 48". Hinges should be installed in centre hinge location. Packed one per box.

Note: Other Wire Lengths availability by order.

OPTIONS

**PLUG IN CONNECTOR (PIC)**

Plug in connector. Makes connection in field faster and creates a positive interlock between the hinge side of door and the device the hinge is connected to.

Specify: "PIC" and wire gauge, and number of wires when ordering.

**RADIUS CORNER (RC)**

Radius Corner: Primarily for use on aluminum doors and frames. This feature is available in both 1/4" and 5/8" radius.

Specify: "RC" and radius when ordering.

OPTIONS



HOSPITAL TIP (HT)

Hospital Tip: Barrel ends are sloped, making it easier to clean and making it difficult to attach rope, clothing or other ligatures. The pin is held in place by a cross pin for security reasons. Specify “HT” when ordering. Not available on all models.



FIRE RATED (cUL MARKED)

Full mortise, butt hinges, 3-knuckle and 5 knuckle standard and heavy weight for use on swinging-type fire doors rated upto and including 3 hour.

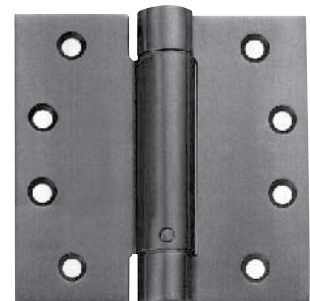
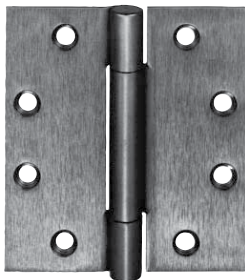
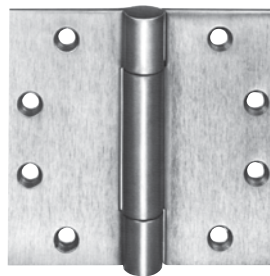
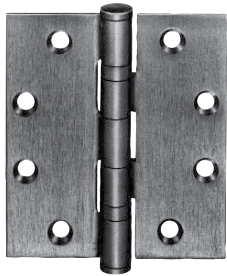
Available for the following models:

| Standard weight | Heavy weight |
|-----------------|--------------|
| LH179BB | LH168BB |
| LH191BB | LH199BB |
| LH1379CB | LH1368CB |
| LH1391CB | LH1399CB |



F R38304
DOOR HINGE

3 HR LISTED



Factors determining selection for the proper hinge.

- A) Type of door and frame
- B) Size, thickness and weight of door with all hardware accessories
- C) Clearance required
- D) Use - Exterior or interior, frequency
- E) Exposure (sea air, dust, corrosive atmosphere, etc.)
- F) Quality desired
- G) Special application or use
- H) Door accessories (overhead holders, closers, stops, lock plates, etc.) which affect hinge performance
- I) Hinge edge of door beveled or square

Requirements for selection of proper hinge specification.

1. Kind of hinge
Primary consideration is given to the type of door and jamb for selection of a definite kind of hinge.
2. Type of hinge - Ball bearing, plain, etc.
The weight of the door and frequency used determine whether a heavy weight, standard weight, ball bearing or plain bearing hinge should be used - Heavy weight hinges should always be used on heavy doors and doors where high frequency service is expected - Use ball bearing hinges on doors equipped with closers and on fire doors.
3. Size of hinge
Determined by width, thickness and weight of door and trim to clear.
4. Kind of metal
Determined by considerations such as atmospheric conditions, location of doors, or special conditions as in chemical laboratories sewage disposal plants, etc. Non ferrous metal must always be used for rust resistance.
5. Quality of finish
Finish on hinges is always furnished to our standard and government standard finishes. When an exact match of another manufacturer's finish is desired, submit sample. (Minimum quantity required).
6. Location of hinges on doors and maintenance
Improper maintenance or wrong installation of hinges can affect the life of the product and cancel the guarantee.
7. Number of hinges required on doors and maintenance
Always specify at least three hinges to a door ... because the third hinge shares the load with the other two hinges and increases the life of the installation and prevents warpage of doors.
Doors with closers, holders and stops are subject to forces and stresses not encountered in free hanging and free swinging doors. These doors require a hinge with particularly good lateral load capacities to be able to take such stresses. The top hinge suffers severe abuse, and to the extent that it loosens, the centre hinge takes up the load.
8. Hand of door
Anchor type, raised barrel hinges, etc. are handed and should be specified right or left hand.
9. Industrial
Hinges described in this catalogue, can be modified to meet the requirements of industry. Your inquiries, with detailed drawing of requirements, are cordially invited by our technical department. (Minimum quantity required).
10. Packing
Our products are packed and protected in strong approved containers. All hinges are individually wrapped to protect the finish and packed one and a half pair (1 1/2) per box with full machine and full wood screws.
11. Screws
Packed with minimum full machine and half wood.

Application determines different kind of hinges.

Full mortise
Wood Doors, Wood Jamb

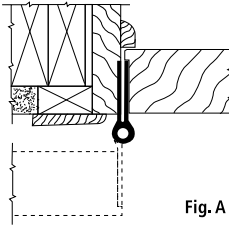


Fig. A

Full mortise
Wood Doors, Hollow Metal Jamb

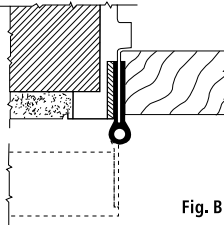


Fig. B

Full mortise
Hollow Metal Doors,
Hollow Metal Jamb

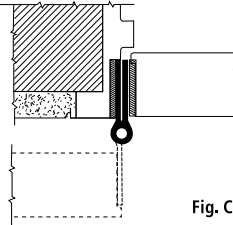


Fig. C

Half mortise
Hollow Metal Doors,
Channel Iron Jamb

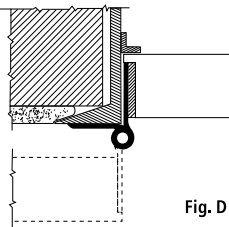


Fig. D

Half surface
Wood Doors, Wood Jamb

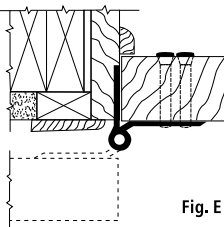


Fig. E

Half surface
Kalamein Doors,
Hollow Metal Jamb

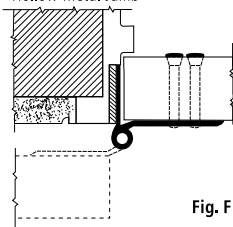


Fig. F

Full surface
Kalamein Doors, Channel Iron Jamb

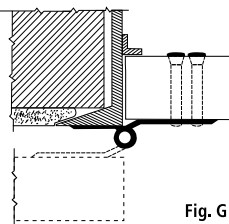


Fig. G

Full surface
Hollow Metal Doors,
Channel Iron Jamb

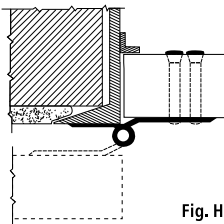


Fig. H

"Swing Clear" Full mortise
Wood Doors, Hollow Metal Jamb

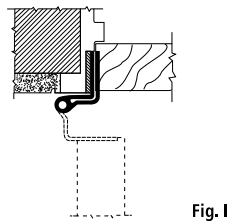


Fig. I

"Swing Clear" half mortise
Wood Doors,
Channel Iron Jamb

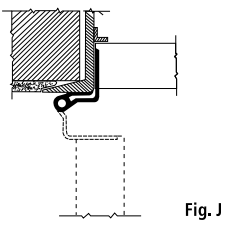


Fig. J

"Swing Clear" half surface
Kalamein Doors,
Hollow Metal Jamb

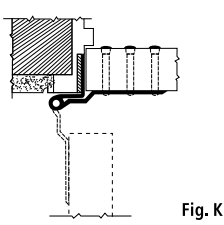


Fig. K

"Swing Clear" full mortise
Kalamein Doors,
Channel Iron Jamb

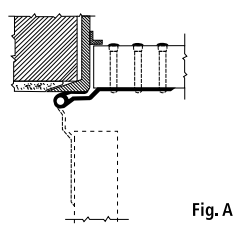


Fig. A

Recommendations for Sizes of Hinges

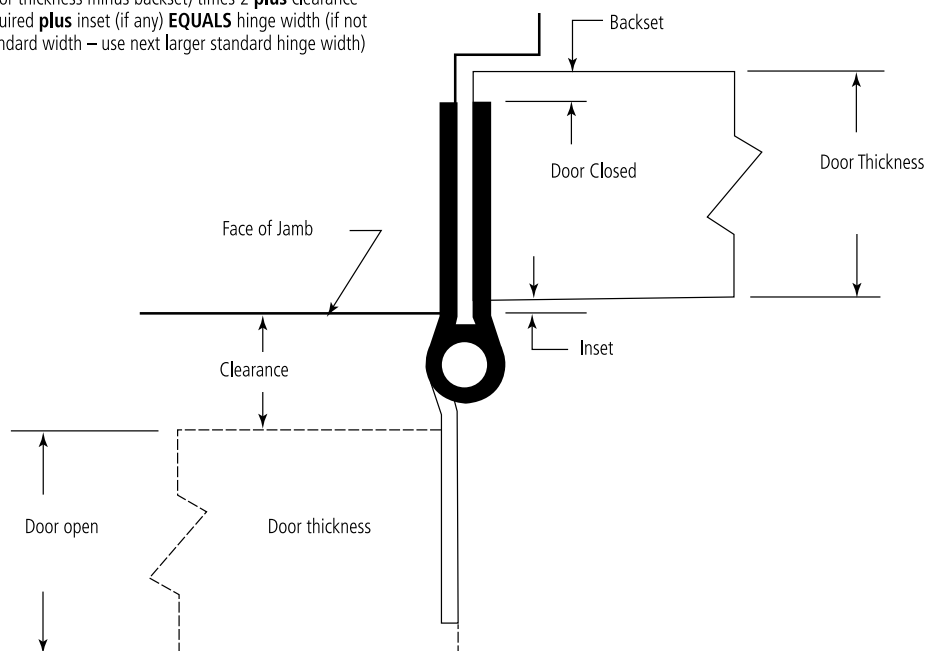
| Door Thickness | Door Width | Hinge Height | Hinge Width |
|----------------|---------------------------------|-----------------|-----------------|
| Inches | Inches | Inches | Inches |
| 1 3/8 | Up to 32 Over 32 | 3 1/2 4 | 3 1/2 3 1/2 |
| 1 3/4 | Up to 36 Over 36 Up to 48 | 4 1/2 5 5 | 4 4 1/2 5 |
| 2 | Up to 42 | 5 | 4 1/2 |
| 2 1/4 | Up to 42 | 5 | 5 |
| 2 1/2 | Up to 42 | 5 | 5 |

| Door Thickness | Door Width | Hinge Height | Hinge Width |
|----------------|-------------------------------------|-------------------|-------------------|
| mm | mm | mm | mm |
| 35 | Up to 800 Over 800 | 88 101 | 88 88 |
| 44 | Up to 900 Over 900 Up to 1200 | 114 127 127 | 101 114 127 |
| 50 | Up to 1050 | 127 | 114 |
| 57 | Up to 1050 | 127 | 127 |
| 63 | Up to 1050 | 127 | 127 |

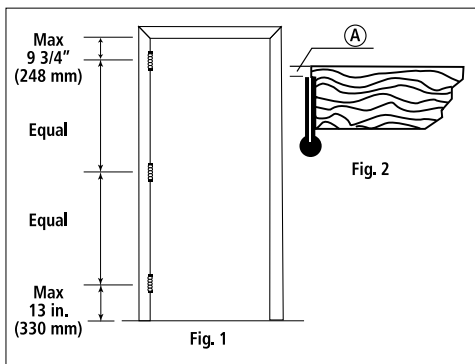
Formula to determine hinge width under normal conditions

- Known factors :
- 1) Door thickness
 - 2) Backset
 - 3) Clearance required
 - 4) Inset

(door thickness minus backset) times 2 **plus** clearance required **plus** inset (if any) **EQUALS** hinge width (if not standard width – use next larger standard hinge width)



Location of Hinges on Doors



For doors up to 2 1/4 in. (57 mm) thick, hinges are applied 1/4 in. (6 mm) from edge. (A)
For doors over 2 1/4 in. (57mm) thick, hinges are applied 3/8 in. (10 mm) from edge. (A)

Hinge Maintenance:

For general maintenance of Architectural grade hinges, we recommend that the pins be removed and liberally coated with general purpose grease, then re-inserted and the excess wiped off. Also we highly recommend that all attaching screws be checked for tightness.

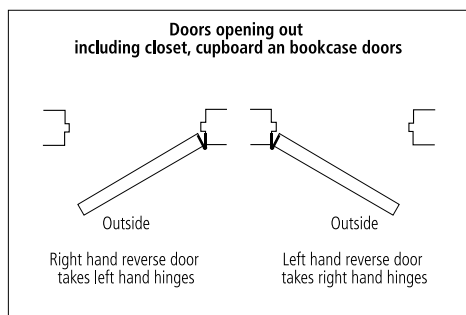
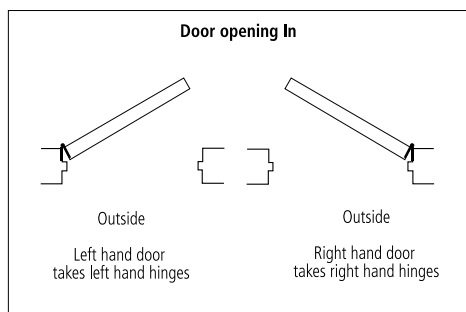
Number of Hinges per Door

The following quantity of hinges are recommended for doors of various sizes:

- 2 hinges: Doors up to 60 in. (1500mm) in height
- 3 hinges: Doors up to 60 in. (1500mm) but not over 90 in. (2500mm) in height
- 4 hinges: Doors over 90 in. (2250mm) but not over 120 in. (3000mm) in height

Note: Doors over 120 in (3000mm) add one hinge for each additional 30 in (750mm) or fraction thereof.

How to Determine Hand of Hinges



- The hand of a butt hinge is determined from the door to which it is applied

- The outside of a cupboard, bookcase or closet door is the room side. For other doors, the outside is usually the "push" or jamb side.

- If standing outside of a door which opens from you: to the right, it takes right hand butt hinges. If to the left, it takes left hand butt hinges.

- If standing outside of a door which opens towards you: to the right, it takes left hand butt hinges. If to the left, it takes right hand butt hinges.

- Reversed bevel doors are doors opening out.

In ordering butt hinges that are not reversible, the hand must always be specified.

Hinge Requirements for Fire Doors

National Fire Protection Association, pamphlet no. 80 (NFPA-80) lists the guidelines for hinge uses with fire doors.

Attaching Hinges to Doors

Mortise hinges shall be secured to reinforcements in the doors with steel machine screws and surface hinges shall be attached with steel through-bolts.

Exception

Mortise hinges shall be secured to wood and plastic covered composite or wood core doors with No. 12 by 1 1/4 in (31.75mm) flat threaded-to-the-head, steel wood screws.

Attaching Hinges to Frame

Hinges shall be secured to frames with steel screws. Types of screws will vary depending on material used for the manufacture of labeled door frames. Refer to labeled door frame manufacturers instructions and published listings for specific screw requirements.

Hardware shall be examined frequently and any parts found to be inoperative shall be replaced immediately.

Builder's Hardware

Mortise and surface hinges for swinging doors including spring hinges.

Doors up to 60 in. (1.522m) in height shall be provided with two hinges and an additional hinge for each additional 30 in. (0.762m)

| Door rating, Hr | | | | | | For 1 3/4 in. (44.5 mm) or thicker doors | | | | Type Hinge |
|-----------------|-------|---|-----|-----|-----|--|------------------|---------------------|-----------------------|---------------------------|
| | | | | | | Maximum door size | | Minimum hinges size | | |
| | | | | | | Width ft (m) | Height ft (m) | Height in. (mm) | Thickness in. (mm) | |
| 3 | 1 1/2 | 1 | 3/4 | 1/2 | 1/3 | 4 (1.22) | 10 (3.05) | 4 1/2 (114.3) | 0.180 (4.57) | Steel, Mortise or Surface |
| 3 | 1 1/2 | 1 | 3/4 | 1/2 | 1/3 | 4 (1.22) | 8 (2.44) | 4 1/2 (114.3) | 0.134 (3.40) | |
| | 1 1/2 | 1 | 3/4 | 1/2 | 1/3 | 3 (0.91) | 5 (1.52) | 4 (101.6) | 0,130 (3.30) | |
| | 1 1/2 | 1 | 3/4 | 1/2 | 1/3 | 2 (0.61) | 3 (0.91) | 3 (76.2) | 0.092 (2.34) | |
| | | | | | | For 1 3/8 in. (34.93 mm) Doors | | | | |
| 3 | 1 1/2 | | 3/4 | 1/2 | 1/3 | 3 (0.91) | 7 (2.13) | 3 1/2 (88.9) | 0.123 (3.12) | |

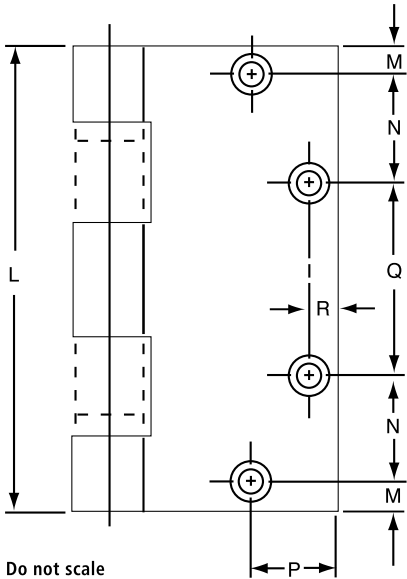
Note 1: All hinges except spring hinges, shall be of the ball bearing type. Hinges employing other antifriction bearing surfaces are permitted if they meet the test requirements of standard for butts hinges (ANSI A 156.1).

Note 2: 4-1/2 in. (114mm) high, 0.180 in. (4.57mm) thick hinges should be used on doors which are unusually wide and heavy or which will receive high frequency use or unusual stresses.

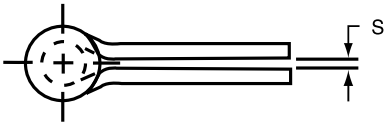
Note 3: Some manufacturers may provide fire doors with hinges of light weight which are not ball bearing when they are part of a listed assembly and meet the test requirements of ANSI A 156.1 and have been tested to a minimum of 350, 000 cycles.

| Dimensions | Inches | mm |
|------------|---------------|-----------------|
| | 4 1/2 x 4 | 114.30 x 101.60 |
| | 4 1/2 x 4 1/2 | 114.30 x 114.30 |

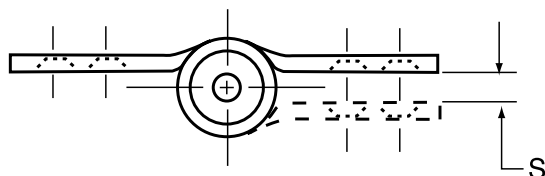
| Dimensions | Inches | mm |
|------------|--------|--------|
| L | 4.5000 | 114.30 |
| M | 0.508 | 12.90 |
| N | 1.125 | 28.58 |
| P | 1.000 | 25.40 |
| Q | 1.234 | 31.34 |
| R | 0.375 | 9.53 |
| S | 0.063 | 1.59 |



Machine Screws : 12-24 x 1/2 F.H.
12-24 x 13 F.H.
Wood Screws : 1 1/4 x no. 12 F.H.
32 x no. 12 F.H.
*1 1/2 x no. 12 F.H.
*38 x no. 12 F.H.

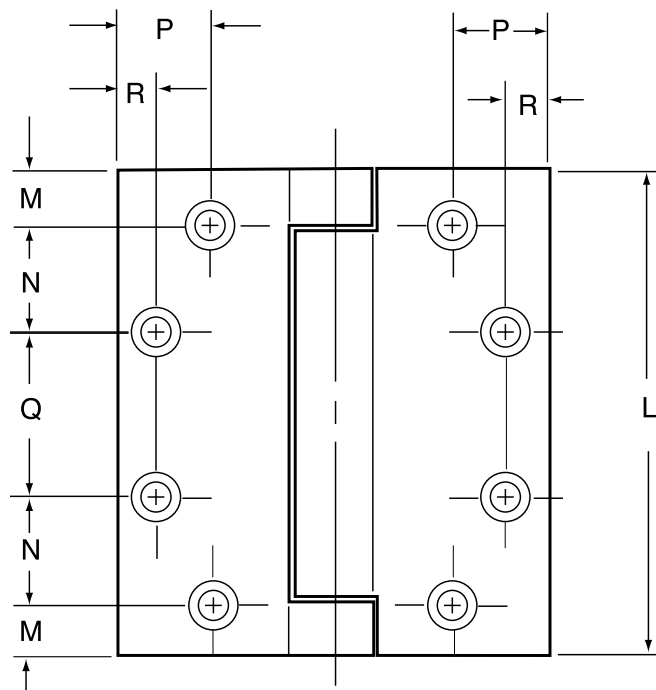


These template butt hinges are made in size, gauge and with screw holes located to conform to government and ANSI standards.



Dimensions

| Inches | mm |
|---------------|-----------------|
| 4 1/2 x 4 | 114.30 x 101.60 |
| 4 1/2 x 4 1/2 | 114.30 x 114.30 |



| Dimensions | Inches | mm |
|-----------------|--------|--------|
| L | 4.500 | 114.30 |
| M | 0.508 | 12.90 |
| N | 1.125 | 28.58 |
| P | 1.000 | 25.40 |
| Q | 1.234 | 31.34 |
| R | 0.375 | 9.53 |
| S | 0.063 | 1.59 |
| Metal Thickness | 0.134 | 3.40 |

Machine Screws : 12-24 x 1/2 F.H.
12-24 x 13 F.H.
Wood Screws : 1 1/4 x no. 12 F.H.
32 x no. 12 F.H.

Do not scale

Class Number

| |
|---------|
| Steel |
| LH606SH |

These template butt hinges are made in size, gauge and with screw holes located to conform to government and ANSI standards.

Note: Fully adjustable; spring tension may be increased or decreased during installation.

Hinges for Fire Doors

6.4.3* Builders Hardware.

6.4.3.1 Hinges. Hinges shall be as specified in individual door manufacturer's published listings or Table 6.4.3.1.

6.4.3.1.1 Doors up to 60 in. (1.52 m) in height shall be provided with two hinges and an additional hinge for each additional 30 in. (0.76 m) of door height or fraction thereof.

6.4.3.1.1.1 The distance between hinges shall be permitted to exceed 30 in (0.76 m).

6.4.3.1.1.2 Where spring hinges are used, at least two shall be provided.

6.4.3.1.2 All hinges or pivots, except spring hinges, shall be of the ball bearing type.

6.4.3.1.2.1 Hinges or pivots employing other anti-friction bearing surfaces shall be permitted if they meet the requirements of ANSI/BHMA A156.1, *Standard for Butts and Hinges*.

6.4.3.1.2.2 Spring hinges shall be labeled and shall meet the requirements of ANSI/BHMA A156.17, *Standard for Self Closing Hinges & Pivots, Grade 1*.

Table 6.4.3.1 Builders Hardware Mortise, Surface, and Full Length Hinges, Pivots, or Spring Hinges for Swinging Doors

| Door Rating (hr) | Maximum Door Size | | | | Minimum Hinge Size | | Type Hinge |
|--|--------------------|---------------------|-----------------------|--------------------------|--|--|------------|
| | Width ft (m) | Height ft (m) | Height In. (mm) | Thickness In. (mm) | | | |
| For 1 3/4 in. (44.5-mm) or Thicker Doors | | | | | | | |
| 3, 1 1/2, 1, 3/4, 1/2, 1/8 | 4 (1.22) | 10 (3.05) | 4 1/2 (114.3) | 0.180 (4.57) | Steel, mortise or surface | | |
| 3, 1 1/2, 1, 3/4, 1/2, 1/8 | 4 (1.22) | 8 (2.44) | 4 1/2 (114.3) | 0.134 (3.40) | Steel, mortise or surface | | |
| 1 1/2, 3/4, 1/2, 1/8 | 3 3/8 (0.96) | 8 (2.44) | 6 (152.4) | 0.225 (5.72) | Steel, olive knuckle or paumelle | | |
| 3, 1 1/2, 3/4, 1/2, 1/8 | 4 (1.22) | 10 (3.05) | 4 (101.6) | 0.225 (5.72) | Steel pivots (including top, bottom, and intermediate) | | |
| 1 1/2, 1, 3/4, 1/2, 1/8 | 3 (0.91) | 5 (1.52) | 4 (101.6) | 0.130 (3.30) | Steel, mortise or surface | | |
| 1 1/2, 1, 3/4, 1/2, 1/8 | 2 (0.61) | 3 (0.91) | 3 (76.2) | 0.092 (2.34) | Steel, mortise or surface | | |
| 3, 1 1/2, 1, 3/4, 1/2, 1/8 | 3 (0.91) | 7 (2.13) | 4 1/2 (114.3) | 0.134 (3.40) | Steel mortise or surface (labeled, self closing, spring type) | | |
| 3, 1 1/2, 1, 3/4, 1/2, 1/8 | 3 (0.91) | 7 (2.13) | 4 (101.6) | 0.105 (2.67) | Steel,mortise or surface (labeled, self closing, spring type) | | |
| For 1 3/8 in. (34.93-mm) Doors | | | | | | | |
| 3, 1 1/2, 3/4, 1/2, 1/8 | 3 (0.91) | 7 (2.13) | 3 1/2 (88.9) | 0.123 (3.12) | Steel, mortise or surface | | |
| 3, 1 1/2, 1, 3/4, 1/2, 1/8 | 2 3/8 (0.81) | 7 (2.13) | 3 1/2 (88.9) | 0.105 (2.67) | Steel,mortise or surface (labeled, self closing, spring type) | | |

6.4.3.1.3 Hinges 4 1/2 in. (114 mm) high and 0.180 in. (4.57 mm) thick shall be permitted for use on wide and heavy doors or doors that are subjected to heavy use or unusual stress.

6.4.3.1.4 Fire doors with hinges of lighter weight that are not of the ball bearing type shall be permitted under the following conditions:

1. They are part of a listed assembly.
2. They meet the test requirements of ANSI/BHMA A156.1, *Standard for Butts and Hinges*.
3. They have been tested to a minimum of 350,000 cycles.

6.4.3.1.5 Pivot sets made up of components that are smaller or of a lighter gauge than shown in Table 6.4.3.1 shall be permitted to be used, provided they meet the requirements of ANSI/BHMA A156.4, *Standard for Door Controls (Closers)*, and are in accordance with the manufacturer's label service procedures.

6.4.3.2 Attaching Hinges to Doors.

6.4.3.2.1 Hinges shall be secured in accordance with the listing and the manufacturer's installation instructions.

6.4.3.2.2 Mortise hinges shall be secured to reinforcements in the doors with steel machine screws.

6.4.3.2.3 Mortise hinges shall be secured to wood and plastic-covered composite doors or wood core doors with No. 12 x 1 1/4 in. (31.75 mm) flat, threaded-to-the-head, steel wood screws. Pilot holes shall be drilled that are 5/32 in. (4 mm) in diameter.

6.4.3.2.4 Surface hinges shall be attached with steel through-bolts.

6.4.3.3 Attaching Hinges to Frames. Hinges shall be secured to frames with steel screws.

6.4.3.3.1 Types of screws shall be permitted to vary depending on material use for the manufacture of labeled door frames.

6.4.3.3.2 The manufacturer's instructions and published listings for labeled door frames shall be referenced for specific screw requirements.

6.4.3.3.4 Shimming. When required to meet the clearances stated in 6.3.1.7, the shimming of hinges using steel shims shall be permitted.

Swing Clear - Full Mortise
Half Mortise - Full Surface
Half Surface
3 - Knuckles - Concealed Bearing
Standard Weight - Heavy Weight
Ball Bearing Hinge

Available material in stainless steel, solid brass and steel.



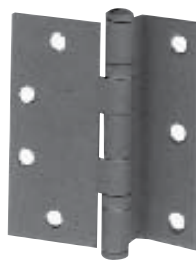
Full mortise - Swing clear



Half mortise



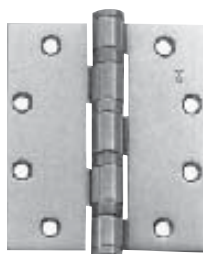
Full surface



Half surface



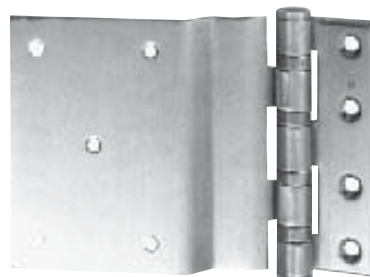
Half surface



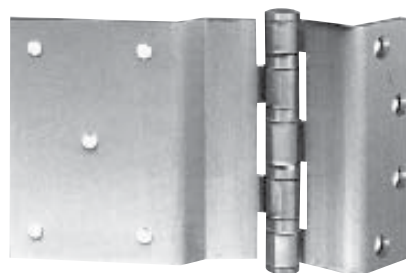
Full mortise (Stock item)



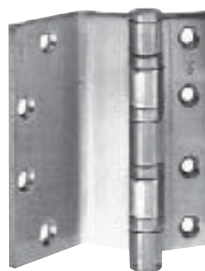
3 Knuckles
Concealed bearing



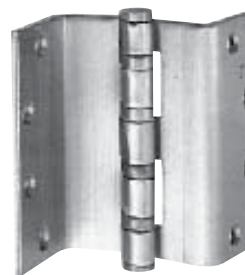
Full surface - Swing clear



Half surface - Swing clear



Half mortise - Swing clear



Full mortise - Swing clear

Other types and sizes are available on request.
Minimum quantities required.



LAWRENCE[®]
HARDWARE INC.

[DETENTION HINGES



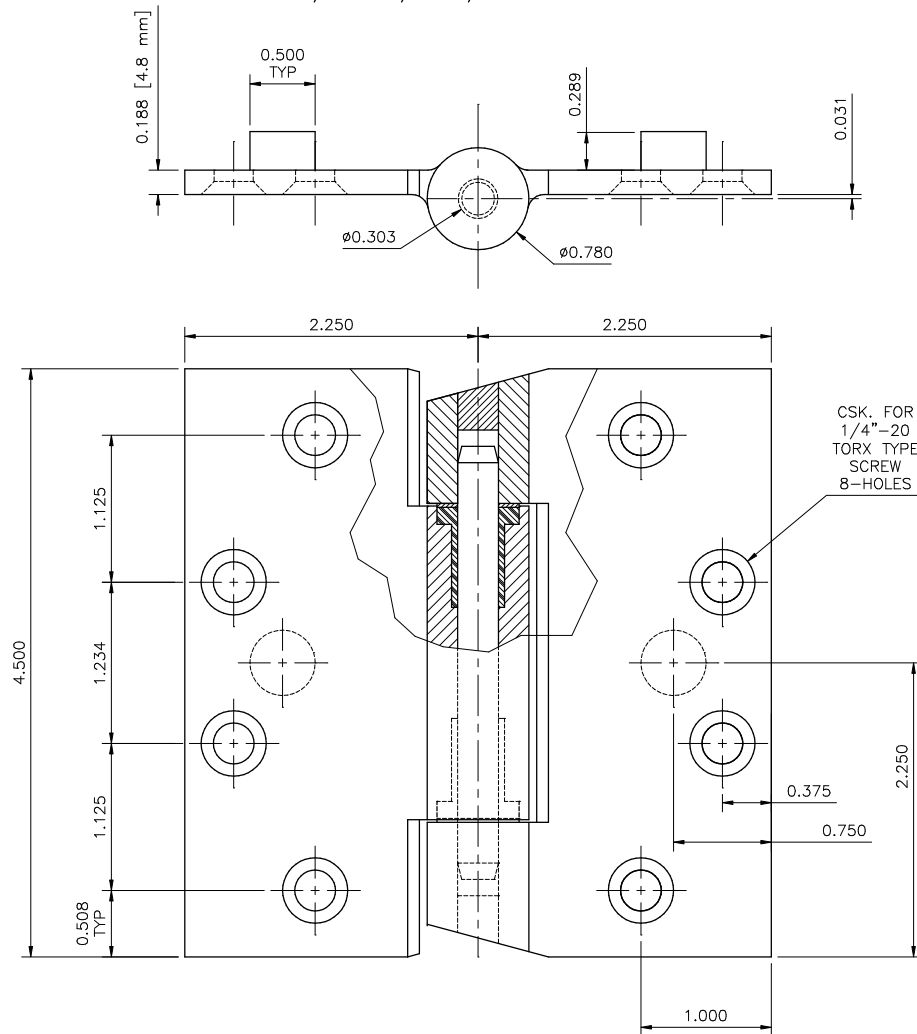


LH918

Full Mortise Butt Hinge with Shear Resistant
Stud with Slopped Tips

Finish: C32D

FULL MORTISE BUTT HINGES WITH SHEAR RESISTANT STUD
SIZE 4 1/2" x 4 1/2" x 3/16"

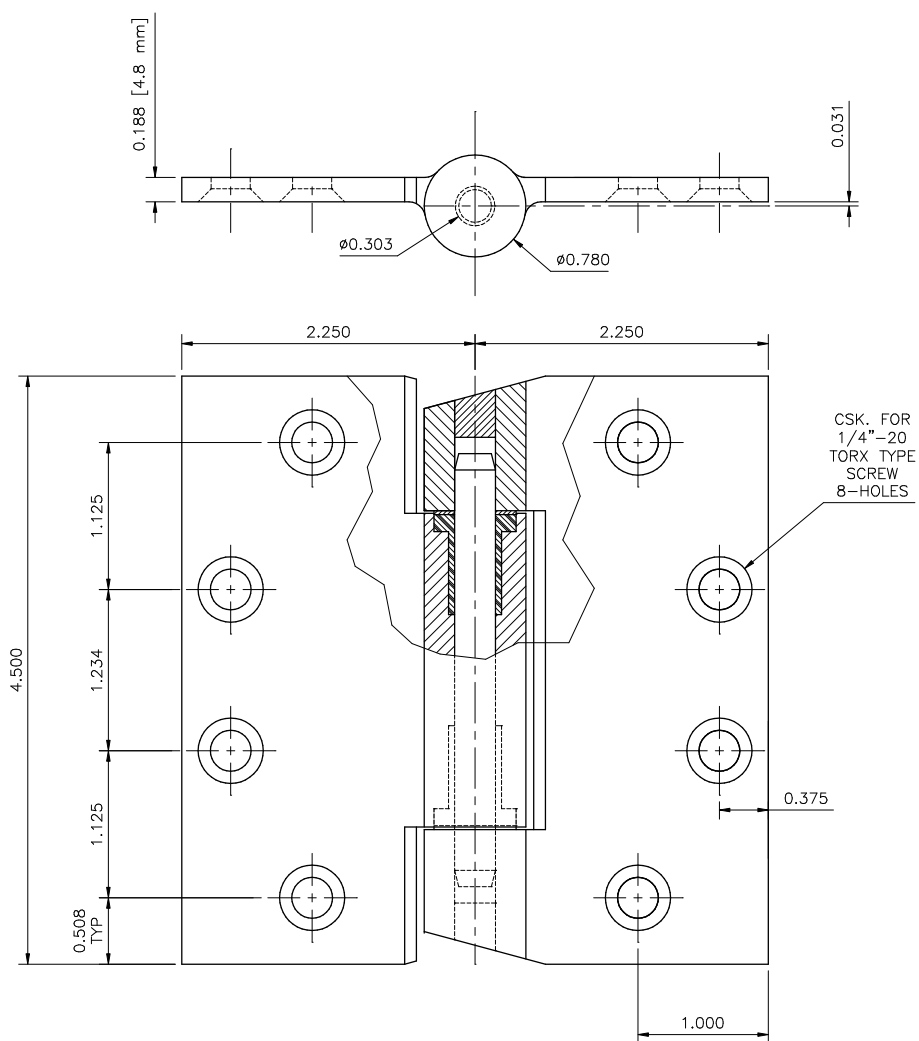


MACHINE SCREW SIZE: 1/4"-20 TORX TYPE
MATERIAL: TYPE 304 CAST STAINLESS STEEL

LH919

Full Mortise Butt Hinge with Slopped Tips

Finish: C32D



MACHINE SCREW SIZE: 1/4"-20 TORX TYPE
MATERIAL: TYPE 304 CAST STAINLESS STEEL

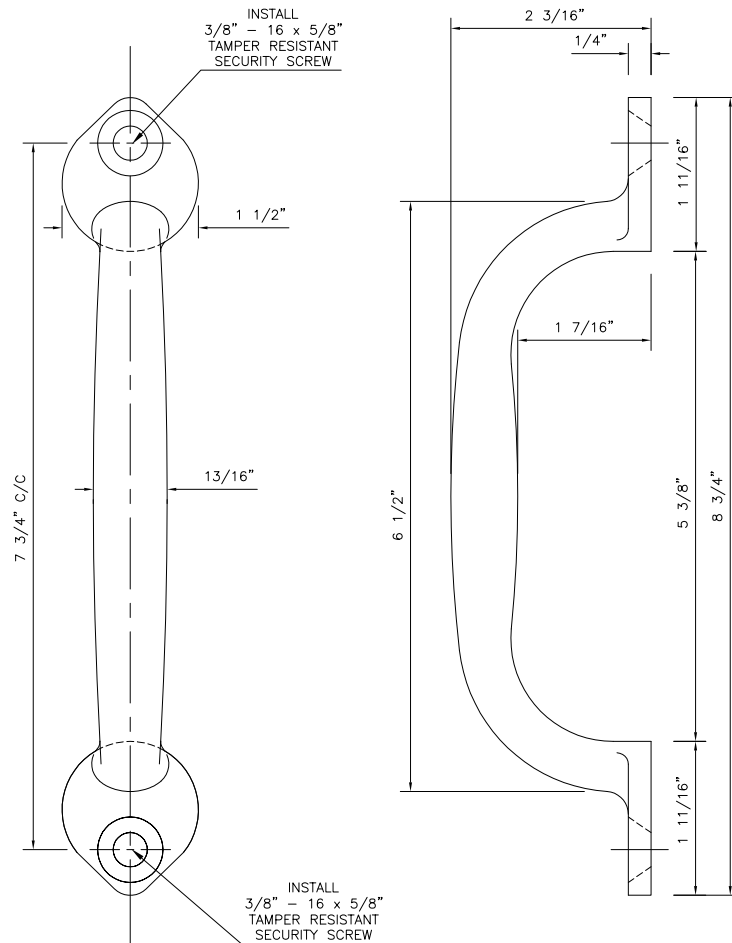


LH920

Cast Surface Pull

Finish:

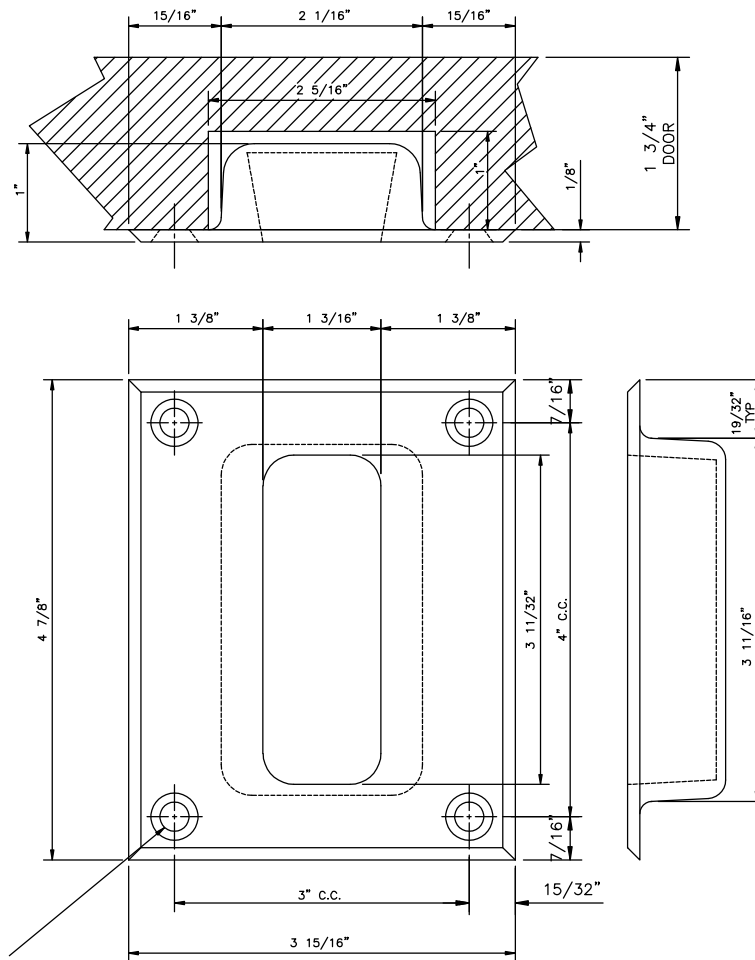
Finish: US32D



LH921

Cast Flush Pull

Finish: US32D

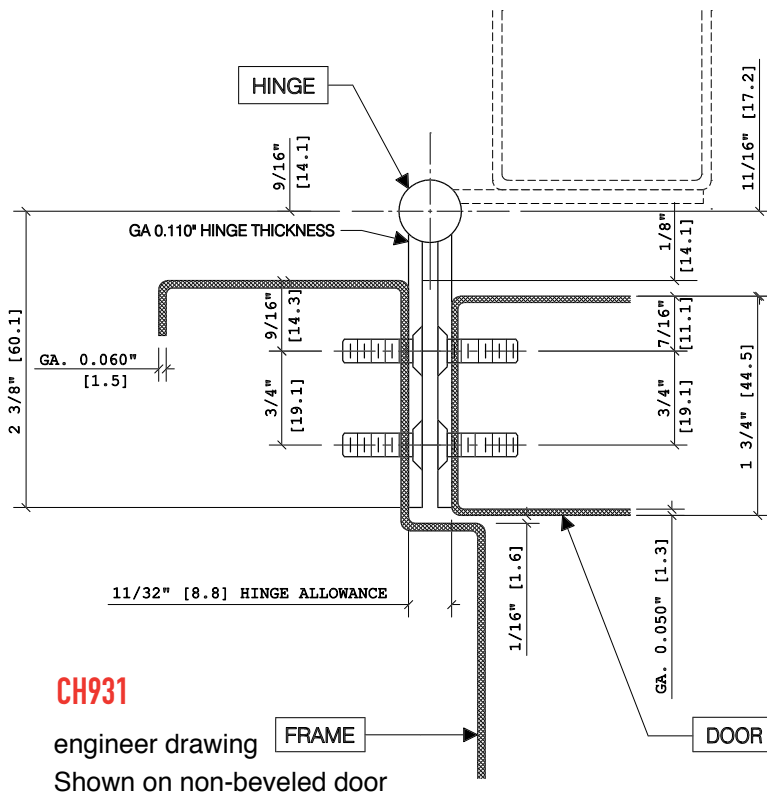




LAWRENCE[®]
HARDWARE INC.

[CONTINUOUS HINGES





CH931, CH941 AND CH951 FULL MORTISE PIN AND BARREL CONTINUOUS HINGE

For Doors Weighing up to 600 pounds
Non Handed
1/8" Inset
48" Maximum Door Width
Bevel or Square Edge Door

Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

Material

931- Aluminum

941-Cold Rolled Steel

951-14 Gauge Type 304 Stainless Steel

Fire Rating

Non Rated

ULC up to 3 hours

ULC up to 3 hours

Finishes

931

941

951

BHMA

628

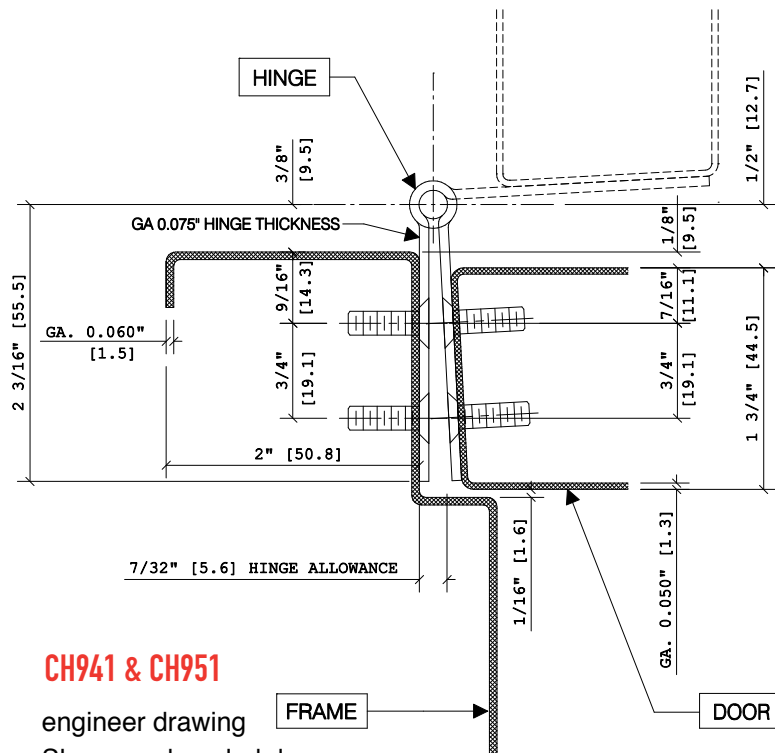
600

630

US Number

US28 USP

US32D



CH951 SHOWN

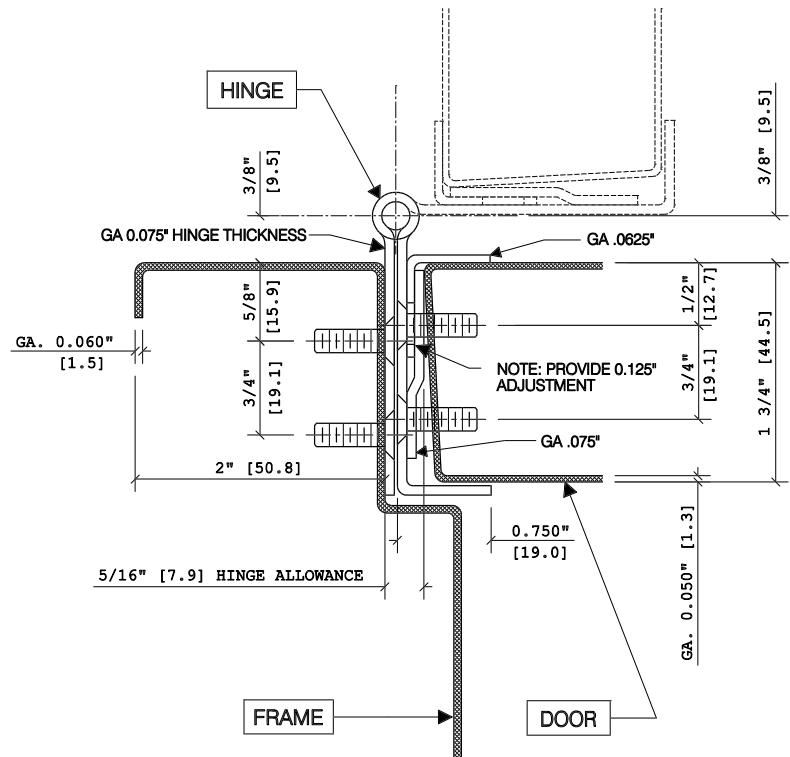
CH931, CH941 AND CH951 FULL MORTISE PIN AND BARREL CONTINUOUS HINGE

For Doors Weighing up to 600 pounds
Non Handed
1/8" Inset
48" Maximum Door Width
Bevel or Square Edge Door

Standard Lengths 6'8" to 7'2", 8' and 10'
Standard Mounting Hardware
#10 x 1/2" Self Drilling and Tapping Screws
#10 x 1" Wood Screws

| | |
|---------------------------------------|-------------------|
| Material | Fire Rating |
| 931- Aluminum | Non Rated |
| 941-Cold Rolled Steel | ULC up to 3 hours |
| 951-14 Gauge Type 304 Stainless Steel | ULC up to 3 hours |

| | | | |
|-----------------|------------|------------|------------|
| Finishes | 931 | 941 | 951 |
| BHMA | 628 | 600 | 630 |
| US Number | US28 USP | US32D | |





CH952 FULL WRAP EDGE GUARD (EDGE MOUNT) CONTINUOUS HINGE

For Doors Weighing up to 600 pounds

Non Handed

48" Maximum Door Width

Bevel or Square Edge Door

Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

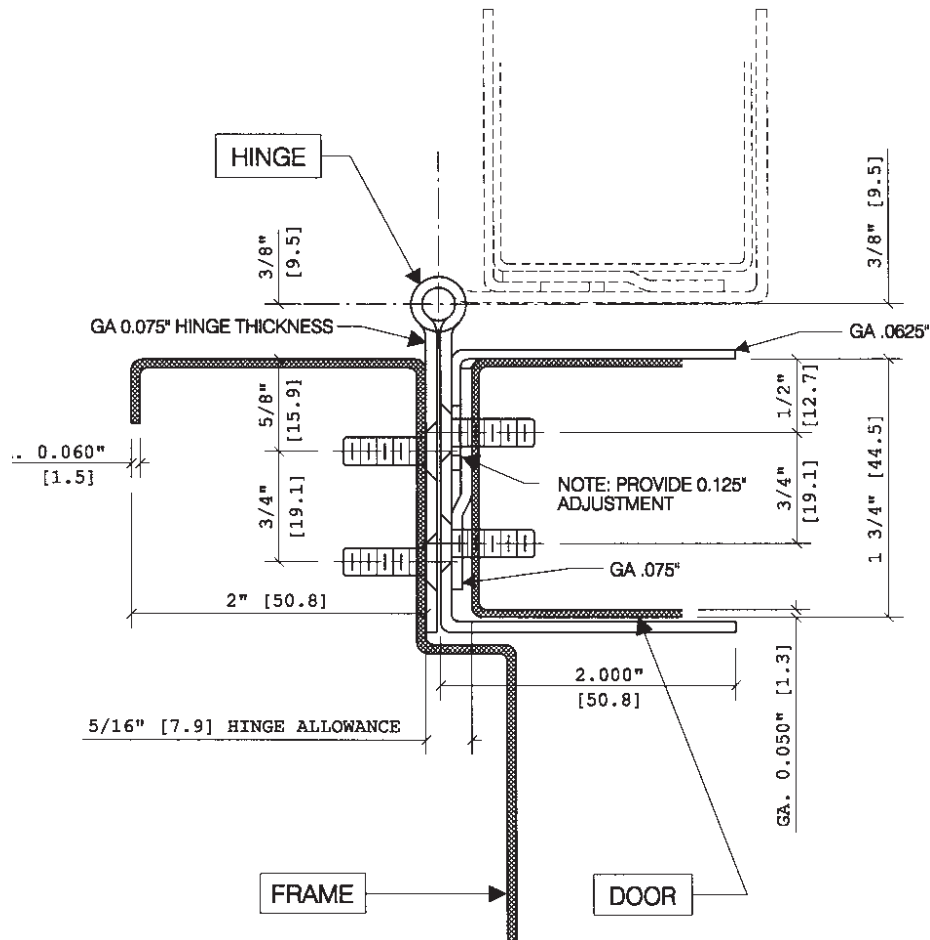
Material 952-14 Gauge Type 304 Stainless
Steel

Fire Rating ULC up to 3 hours

Finishes 952

BHMA 630

US Number US32D





CH952E EXTENDED FULL WRAP EDGE GUARD (EDGE MOUNT) CONTINUOUS HINGE

For Doors Weighing up to 600 pounds
Non Handed
48" Maximum Door Width
Bevel or Square Edge Door

Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

Material 952-14 Gauge Type 304 Stainless Steel

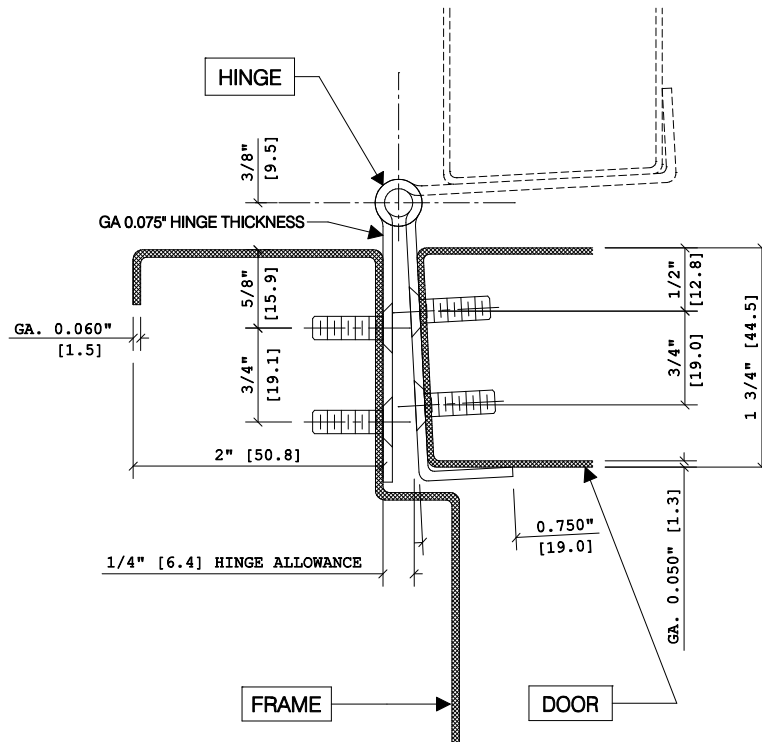
Fire Rating ULC up to 3 hours

Finishes 952E

BHMA 630

US Number US32D

CH943 AND CH953 HALF WRAP EDGE GUARD (EDGE



MOUNT) CONTINUOUS HINGE

For Doors Weighing up to 600 pounds

Non Handed

48" Maximum Door Width

Bevel or Square Edge Door



Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

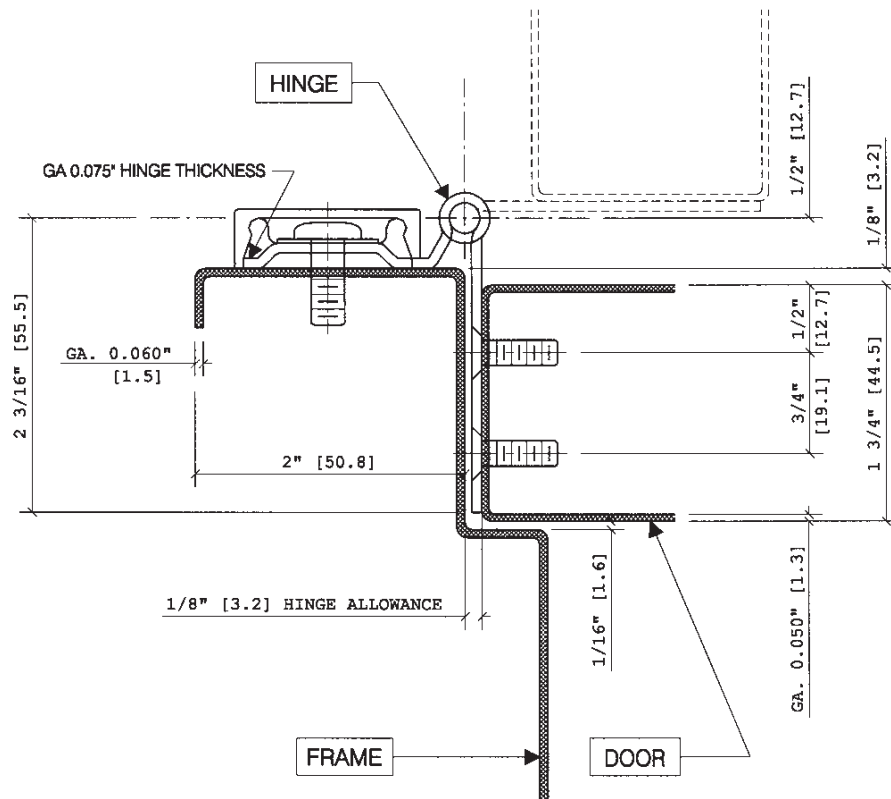
Material 943-cold Rolled Steel
953-14 Gauge Type 304 Stainless Steel

Fire Rating ULC up to 3 hours

Finishes 943 953

BHMA 600 630

US Number USP US32D



Half

Mortise

With Guard

CH944 AND 954 HALF MORTISE PIN AND BARREL CONTINUOUS HINGE

For Doors Weighing up to 600 pounds
Non Handed
48" Maximum Door Width
Bevel or Square Edge Door
Brushed aluminum leaf cover



Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

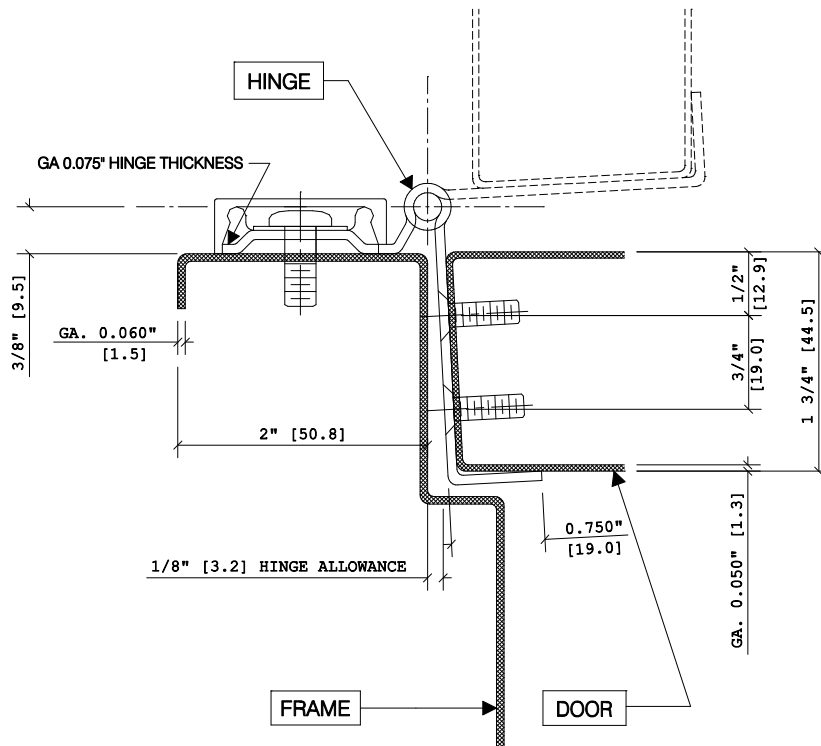
Material 944-Cold Rolled Steel
954-14 Gauge Type 304 Stainless Steel

Fire Rating ULC Up to 3 hours

Finishes 944 954

BHMA 600 630

US Number USP US32D





CH945 AND 955 HALF MORTISE WITH GUARD PIN AND BARREL CONTINUOUS HINGE

For Doors Weighing up to 600 pounds
Non Handed
48" Maximum Door Width
Bevel or Square Edge Door
Brushed aluminum leaf cover

Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

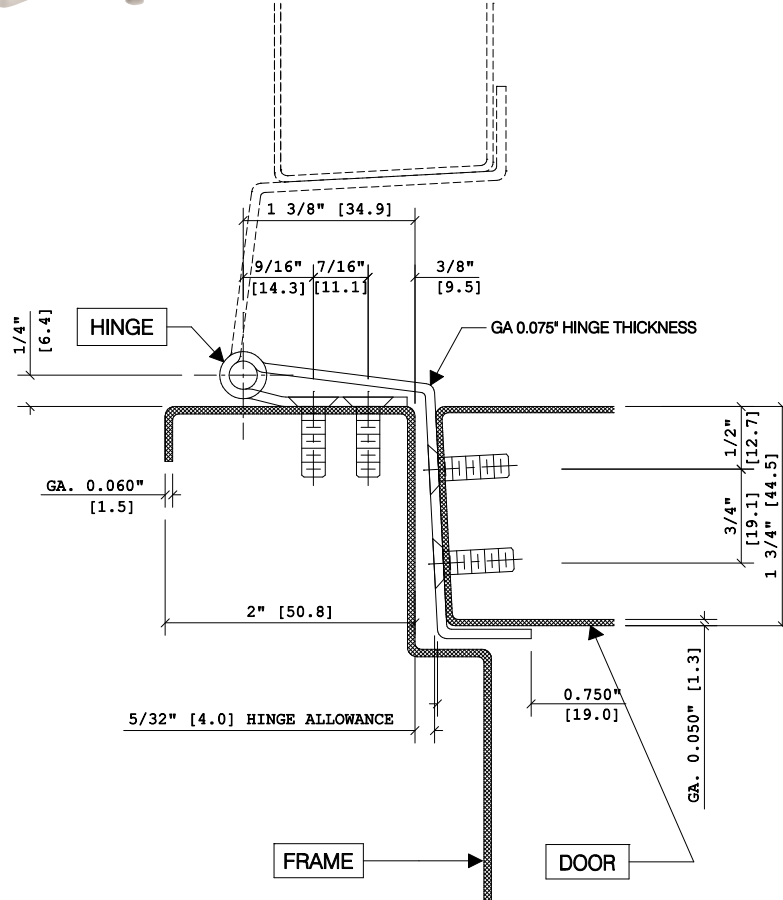
Material 945-Cold Rolled Steel
955-14 Gauge Type 304 Stainless Steel

Fire Rating ULC Up to 3 hours

Finishes 945 955

BHMA 600 630

US Number USP US32D



CH946 AND 956 SWING CLEAR PIN AND BARREL CONTINUOUS HINGE

For Doors Weighing up to 600 pounds

Non Handed

48" Maximum Door Width

Bevel or Square Edge Door



Standard Lengths 6'8" to 7'2", 8' and 10'

Standard Mounting Hardware

#10 x 1/2" Self Drilling and Tapping Screws

#10 x 1" Wood Screws

| | |
|----------|---------------------------------------|
| Material | 946-Cold Rolled Steel |
| | 956-14 Gauge Type 304 Stainless Steel |

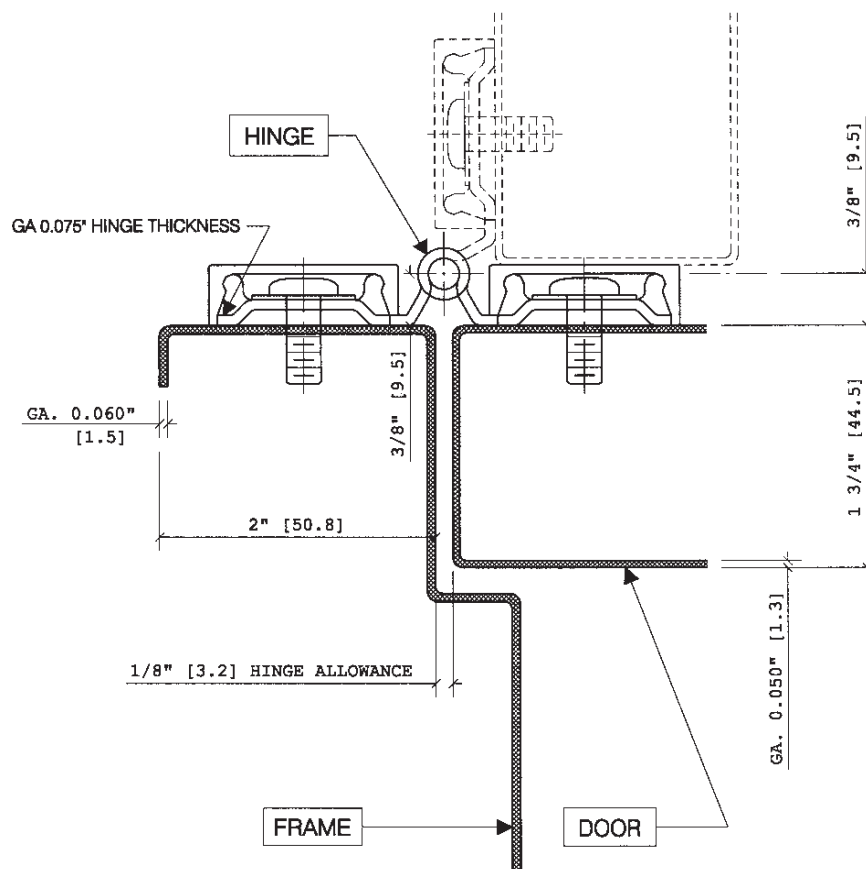
| | |
|-------------|-------------------|
| Fire Rating | ULC Up to 3 hours |
|-------------|-------------------|

| | | |
|-----------------|------------|------------|
| Finishes | 946 | 956 |
|-----------------|------------|------------|

| | | |
|------|-----|-----|
| BHMA | 600 | 630 |
|------|-----|-----|

| | | |
|-----------|-----|-------|
| US Number | USP | US32D |
|-----------|-----|-------|

CH947 AND 957 FULL SURFACE (FLUSH) CONTINUOUS





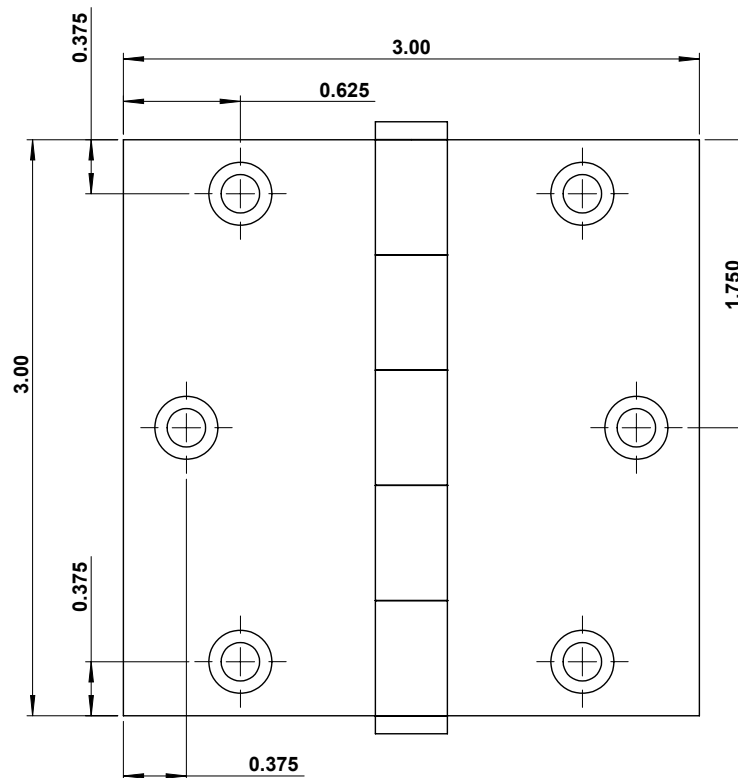
LAWRENCE[®]
HARDWARE INC.

[SOLID BRASS HINGES



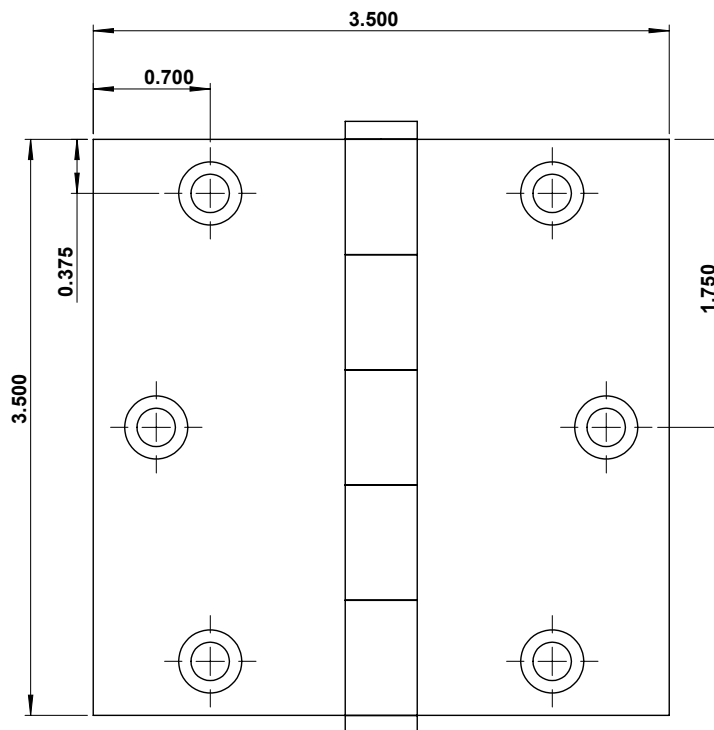
LH3030 3" X 3"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



LH3535 3.5" X 3.5"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



SOLID BRASS HINGES

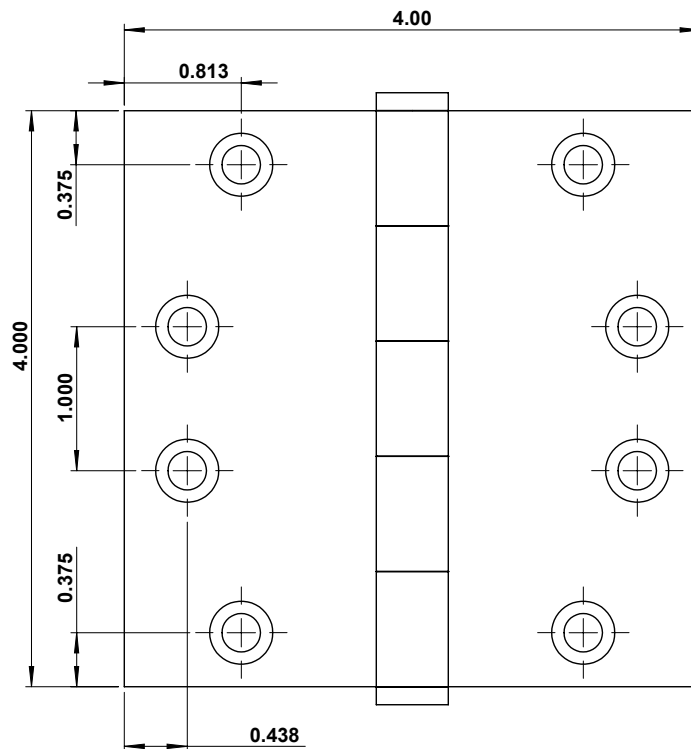
Solid Brass

Extruded

Plain Bearing

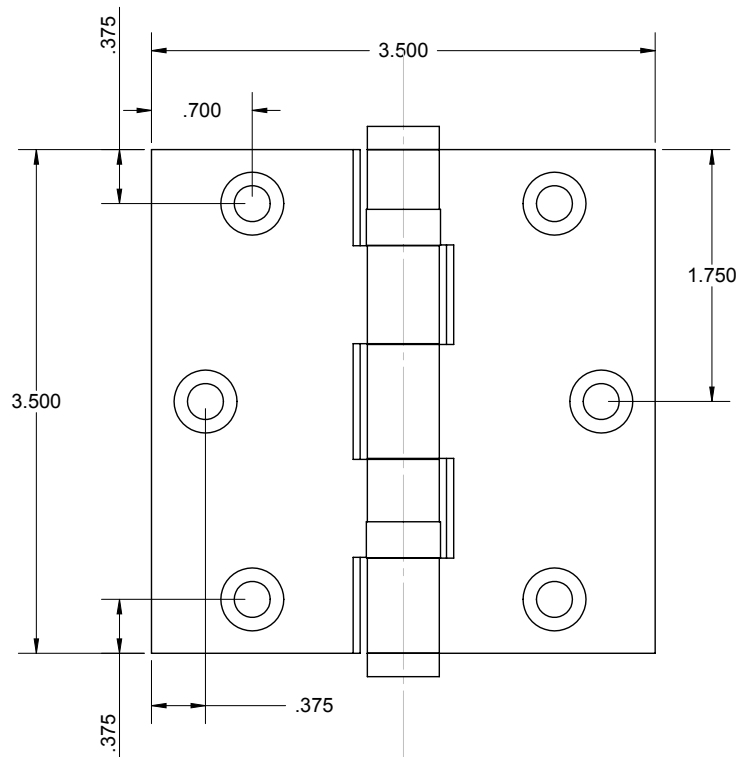
LH4040 4" X 4"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



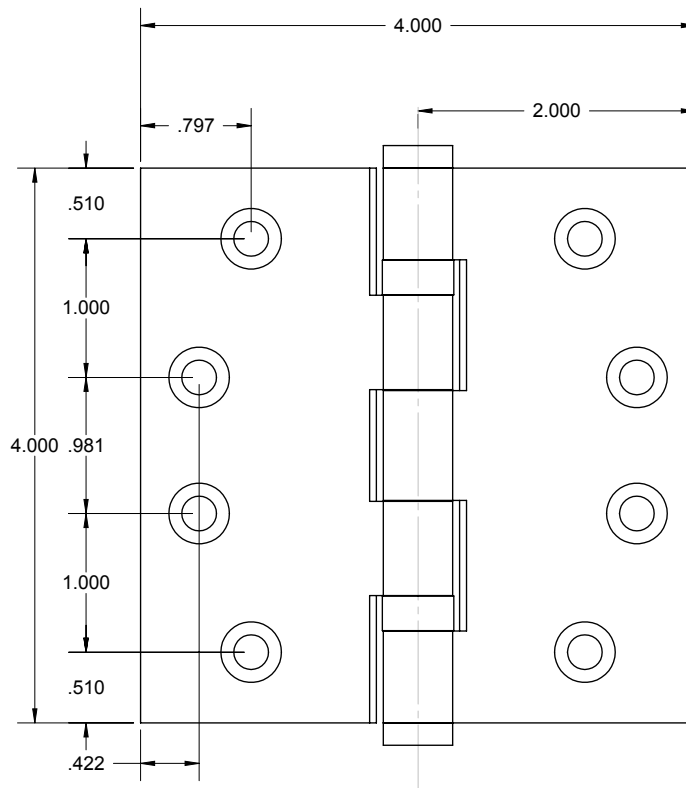
LH3535 BB 3.5" X 3.5"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



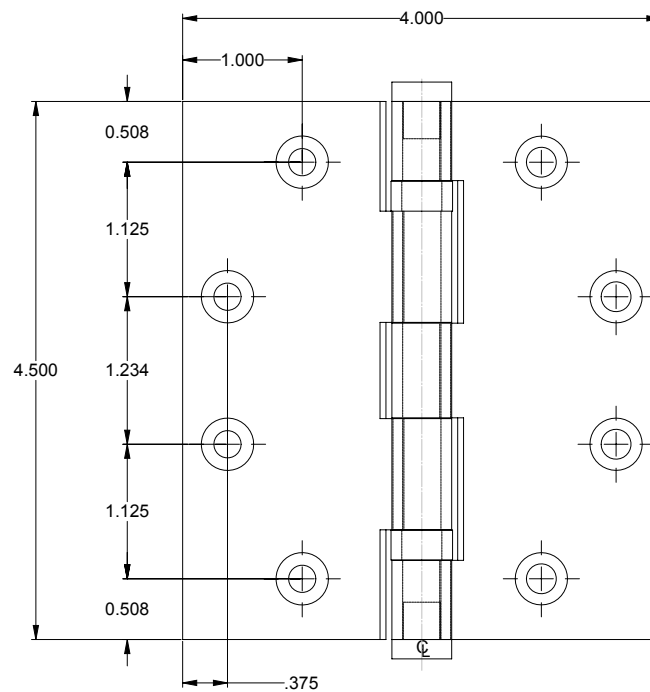
LH4040 BB 4" X 4"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



LH4540 BB 4.5" X 4"

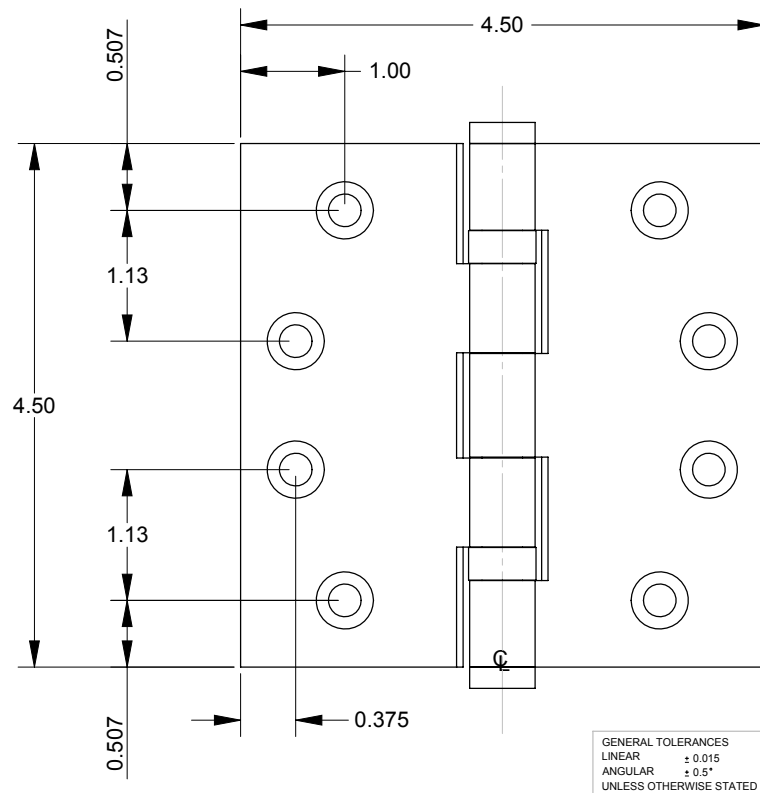
Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19





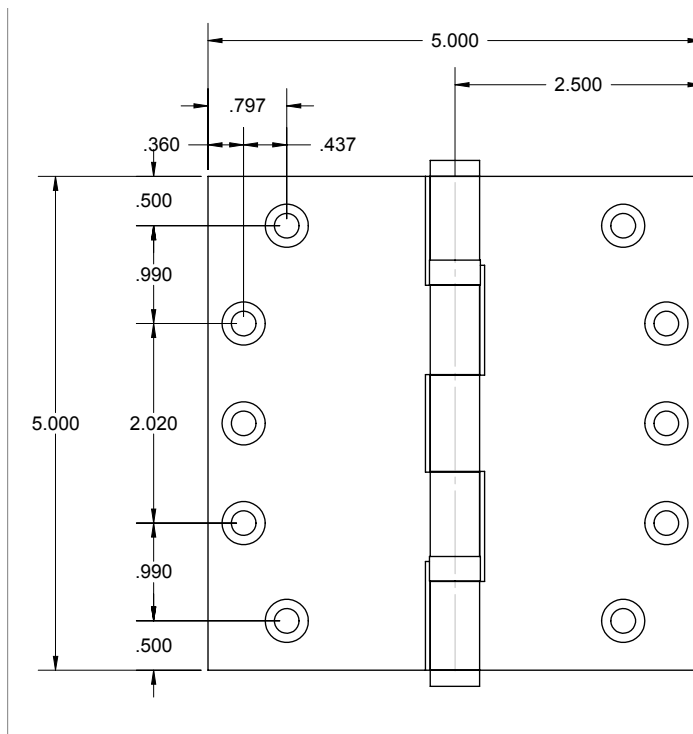
LH4545 BB 4.5" X 4.5"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



LH5050 BB 5" X 5"

Finishes: 3, 4, 5, 15, 15B, 26, 10B, 17A, 19



Add a touch of class to your solid brass hinges by selecting one of four available tips

BALL (BF)



ACORN (AKF)



STEEPLE (SF)



URN (UF)



Decorative Finials (Tips set of 4)
Finished to match hinges



LAWRENCE®
HARDWARE INC.

3D ADJUSTABLE HINGE



3D Adjustable Concealed Hinge

These hinges are continuously adjustable for height, side and closing pressure.

For a truly flush panel appearance this hinge will be the delight of architects and designers alike.



LH-AH01

up to 40kg/2pcs. (88 lbs.)
Features and technical data
For wood doors and frames
Concealed installation
Easy to adjust
23.5 wide x 95mm high
Up to 180 degree opening angle
Up to 900 X 2000mm door size
Minimum 35mm door
Adjustment +/- 1.5mm
Note: handed item



LH-AH02

up to 60kg/2pcs. (132 lbs.)
Features and technical data
For wood doors and frames
Concealed installation
Easy to adjust
28.8 wide x 111mm high
Up to 180 degree opening angle
Up to 1000 X 2000mm door size
Minimum 40mm door
Adjustment +/- 1.5mm
Note: handed item



LH-AH03

up to 80kg/2pcs. (176 lbs.)
Features and technical data
For wood doors and frames
Concealed installation
Easy to adjust
28 wide x 160mm high
Up to 180 degree opening angle
Up to 1000 X 2000mm door size
Minimum 36mm door
Adjustment +/- 3.0mm
Shown less faceplate



LH-AH05

up to 120kg/2pcs. (264 lbs.)

Features and technical data

For wood doors and frames

Concealed installation

Easy to adjust

32 wide x 200mm high

Up to 180 degree opening angle

Up to 1000 X 2000mm door size

Minimum 40mm door

Adjustment +/- 3mm



LAWRENCE[®]
HARDWARE INC.

DOOR CLOSERS



Section 2A Closers

Door Closers 62 - 64

Section 2B Closers

8000 Series Extras (Arms, Drop Plates and Covers) 65 - 69
800 Series Extras (Arms, Drop Plates and Covers) 70 - 73



LH303

Grade 2 Standard Duty Closer

Ideally suited for suite entry doors and light commercial

Cast aluminum body

Tri-packed (regular, top jamb ,and parallel arm mount)

UL/cUL listed

BHMA Certified ANSI A156.4

Two valves regulate closing and latching speed

Finishes: Aluminum (AL), Bronze (DU), Brass (PB).

Footprint H:1-5/8" (41mm)

W: 7-1/8" (181mm)

Projection: 2-3/8" (60mm)

See template for the hole dimensions



LH503/534

Grade 2 Medium Duty Closer

Ideally suited for commercial use

Cast aluminum body

Size 3 (503) and size 4 (534) available

Tri-packed (regular, top jamb ,and parallel arm mount)

UL/cUL listed

BHMA Certified ANSI A156.4

Two valves regulate closing and latching speed

Back check is optional

Finishes: Aluminum (AL), Bronze (DU), Brass (PB).

Footprint H:1-5/8" (41mm)

W: 8-7/8" (225mm)

Projection: 2-7/8" (73mm)

See template for the hole dimensions

Medium Duty

Heavy Duty



LH5016

Medium/Heavy Duty Closer

Ideally suited for commercial use

Cast aluminum body

Size 1 - 6

Tri-packed (regular, top jamb , and parallel arm mount)

UL/cUL listed

BHMA Certified ANSI A156.4 Grade 1 to 2,000,000 cycles

Three valves regulate closing, latching speed and back check.

Finishes: Aluminum (AL), Bronze (DU).

Footprint H:1-3/4" (44mm)

W: 9-5/8" (244mm)

Projection: 2-3/4" (70mm)

See template for the hole dimensions



LH816

Heavy Duty Closer

Suitable for schools, hospitals and other higher traffic application.

Size 1 - 6

Tri-packed (regular, top jamb , and parallel arm mount)

Track arm, hold open and cushion stop available

UL/cUL listed

BHMA Certified ANSI A156.4 Grade 1 to 2,000,000 cycles

3 valves regulate closing, latching speed and back check

Additional DA and BC values are standard

Finishes: Aluminum (AL), Bronze (DU) complete with cover

Optional cover finishes include US32D and US26.

Footprint H:2-7/8" (73mm)

W: 13-1/16" (332mm)

Projection: 2-1/8" (54mm)

See template for the hole dimensions

DOOR CLOSERS

Extra Heavy Duty



LH8016

Extra Heavy Duty Closer

Suitable for educational, healthcare, main entrances and other high traffic application where maximum control of the door is required.

Size 1 - 6

Tri-packed (regular, top jamb, and parallel arm mount)

Track arm, hold open, cushion and stop, hold cushion and stop and heavy duty arm.

Other options include long rod and shoe.

Drop plates

UL/cUL listed

BHMA Certified ANSI A156.4 Grade 1 to 2,000,000 cycles

3 valves regulate closing, latching speed and back check

Additional DA and BC values are standard

Finishes: Aluminum (AL), Bronze (DU) complete with cover

Optional finishes include US32D, US26 and US3.

Footprint H:3-1/2" (89mm)

W: 12-1/4" (311mm)

Projection: 2-1/4" (57mm)

See template for the hole dimensions



ARM41 HOLD OPEN ARM

Optional arm provides hold open function with templated stop/hold open. Points. Handle controls hold open Function



CSA40 CUSH STOP ARM

Optional , non- handed parallel arm features solid main arm and forearm with stop in soffit shoe.



DPPA35 DROP PLATE

Required for parallel arm mounting where top rail is less than 5-1/2", measured from the stop. Plate requires 2" minimum top rail.



DPSS32 DROP PLATE

Required for hinge side mount where top rail is less than 3-3/4". Plate requires 2" minimum top rail.

DPSS34 DROP PLATE

Centres top jamb mounted closer vertically on head frame where face is less than 3-1/2". Plate requires 1-3/4" minimum head frame.



SNBAL SEX NUTS

Come standard on 8016 closer optional for 816 and 5000 series closer





LH044HOLD OPEN ARM

Optional, non handed with friction hold open



LHHD42 HEAVY DUTY ARM

Non-handed parallel arm features forged, solid steel main and forearm for abusive installations.

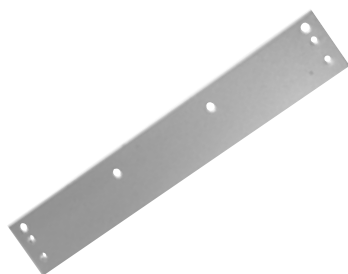


STAINLESS STEEL COVER

Optional, non-handed

DP816 DROP PLATE

Required for hinge side mount where top rail is less than 2-1/2". Required for top jamb mounting where head frame is less than 1-3/4" or flush ceiling exists. Plate requires minimum 1-1/2" top rail or 1-1/4" head frame.



DPPA816 DROP PLATE

Required for parallel arm mounting where top rail is less than 4-3/8", measured from the stop. Plate requires 1-3/4" minimum top rail.



EXTENDED ROD AND SHOE

For top jamb mounts with deep reveals.



LHCHST 816 CUSH STOP ARM

Optional, non-handed parallel arm features solid forged steel main arm and forearm with stop in soffit shoe.





LHCHSTHD 816 CUSH STOP HOLD ARM

Optional, non-handed parallel arm features solid forged steel main and forearm. Provides hold open function with templated stop/hold open points handle controls hold open function.



LHHOA816 HOLD OPEN ARM

Optional non handed arm with hold open adjustable at shoe

LH816 TRACK ARM

Universal slim line single lever track arm designed for interior use on narrow head frames and top rails



800 SERIES STAINLESS STEEL COVER

Optional, non-handed stainless steel cover provides complete enclosure.





LAWRENCE[®]
HARDWARE INC.

[EXIT DEVICES 8000 SERIES



Section 3A Exit Devices 8000 Series

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| Surface Vertical Rod (SVR) Less Bottom Rod (LBR) | 88 - 89 |
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| Narrow Stile Surface Vertical Rod Devices (SVR) | 96 - 97 |
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| | | | |
|----------------------|-------------|------------|---------|
| LAWRENCEHARDWARE.COM | 8000 Series | Heavy Duty | Grade 1 |
|----------------------|-------------|------------|---------|

EXIT DEVICE APPLICATIONS

Exit Device (also known as panic device or panic hardware) is terminology used in architectural hardware. It is a type of lock having a push bar (also known as a push pad, push rail or touch bar). When the push bar is depressed it will retract the latch bolt (s), therefore, permitting the door to be opened in the direction of travel. An Exit Device is a critical part of the Fire, Life Safety and security in all types of buildings. Exit Devices have two classifications: Panic Hardware and Fire Exit Hardware. Both are designed to provide immediate egress. All Lawrence Hardware Exit Devices are tested and listed by an authorized, nationally recognized independent test laboratory. All Lawrence Exit Devices meet or exceed ANSI/BHMA A156.3 specifications. Lawrence Hardware 8000 Series Exit Devices are suitable for use in the following types of buildings:

| | |
|-----------------|------------------------|
| Office building | Apartments |
| Retail Store | Multi Family Buildings |
| Healthcare | Stadiums |
| Factories | Gymnasiums |
| Parking Garages | Hospitality |
| Education | Restaurants |

Our 8000 Series Exit Devices are of superior quality and performance. These heavy duty devices are designed to exceed standards. The 8000 series has a modern look and are suitable for heavy traffic applications. The 8000 Series are Underwriters Laboratories (UL, and cUL) listed for Panic Exit Hardware or Fire Exit Hardware and certified as ANSI/BMHA Grade 1.

FEATURES

- All devices are non-handed
- The centre case is multi functional
- Pressure along any part of the touch pad will retract latch bolt
- Auxiliary guarded latch deadlocks automatically when door closes
- High shock resistant latching mechanism designed for protection from vandalism or forced entry
- All inside components are made of rust resistant alloy or zinc dichromate plated steel
- In addition to the finishes listed in this catalogue other architectural finishes and powder coats are available options
- For Panic hardware users have the option of hex key (standard) or cylinder dogging (special order). This allows for the convenience of push pull operation during peak traffic times.

Finishes

The following are the finishes Lawrence Hardware uses for all exit hardware. The finishes described in this list conform to U.S. Specifications ANSI/BHMA A156.18. Shown below are the most common finishes along with corresponding BHMA (Builders Hardware Manufacturers Association) designation

| U.S Standard | B.H.M.A. | Description of Finish |
|--------------|----------|--|
| US3 | 605 | Bright Brass, Clear Coated |
| US4 | 606 | Satin Brass, Clear Coated |
| US10 | 612 | Satin Bronze, Clear Coated |
| US10B | 613 | Dark Oxidized Satin Bronze, Oil Rubbed |
| US20A | 690 | Dark Bronze Painted (Duranodic) |
| US26 | 625 | Bright Chromium Plated |
| US26D | 626 | Satin Chromium Plated |
| US28 | 689 | Aluminum Painted |
| US32 | 629 | Bright Stainless Steel |
| US32D | 630 | Satin Stainless Steel |

The 8000 Series is a heavy duty modern push bar design that offers two external surface styles: smooth device body (optional) and grooved device body (standard). The 8500 and 8600 Series feature a smooth device body. The 8700 and 8800 Series are grooved device bodies.

These two styles feature rugged performance and elegant appearance. The two styles are uniform in dimensions and mechanical construction. The two different styles provide a choice for architects and end users.

8500 SERIES (NARROW STILE)

Smooth device body



8600 SERIES (WIDE STILE)

Smooth device body



8700 SERIES (NARROW STILE)

Grooved device body



8800 SERIES (WIDE STILE)

Grooved device body



| | | | |
|----------------------|-------------|------------|---------|
| LAWRENCEHARDWARE.COM | 8000 Series | Heavy Duty | Grade 1 |
|----------------------|-------------|------------|---------|

Rim Exit Devices

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.

8610S (SMOOTH)/8810S (GROOVED)
Panic Rated Rim Exit Devices



8610F (SMOOTH)/8810F (GROOVED)
Fire Rated Rim Exit Devices



CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8610S (smooth)/8810S (grooved) Rim Exit Devices are used for all types of single and double door applications with mullion.

8610F (smooth)/8810F (grooved) Fire Rated Rim Exit Devices are used for listed fire labeled single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors with mullion.

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | 3/4" (19mm) throw, deadlocking design |
| Strikes | 801 (Panic), 802 (Fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD. For wood doors sex nuts and bolts (SNB) can be ordered separately Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


801

802

| | | | |
|----------------------|-------------|------------|---------|
| LAWRENCEHARDWARE.COM | 8000 Series | Heavy Duty | Grade 1 |
|----------------------|-------------|------------|---------|

Mortise Lock Exit Devices

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.

8620S (SMOOTH)/8820S (GROOVED)

Panic Rated Mortise Lock Exit Devices



8620F (SMOOTH)/8820F (GROOVED)

Fire Rated Mortise Lock Exit Devices



CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8620S (smooth)/8820S (grooved) Mortise Exit Devices are used for all types of single and double door applications with mullion.

8620F (smooth)/8820F (grooved) Fire Rated Mortise Exit Devices are used for listed fire labeled single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors with mullion.

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | Stainless steel two piece mechanical 3/4" (19mm) with anti friction insert and auxiliary deadlocking latch |
| Strikes | Universal curved lip, non handed, 818 (Panic), 828 (Fire). Optional 831 (panic) or 832 (fire) flat ANSI Strike |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD. For wood doors sex nuts and bolts (SNB) can be ordered separately Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


818

828

831

832

Surface Vertical Rod Exit Devices (SVR)

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.



8630S (SMOOTH)/8830S (GROOVED)

Panic Rated SVR Exit Devices



8630F (SMOOTH)/8830F (GROOVED)

Fire Rated SVR Exit Devices

Note: The bottom rod of a standard Fire Rated SVR exit device must be installed. If Less Bottom Rod (LBR) is desired it must be ordered that way. (See LBR pages 88-89)

CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8630S (smooth)/8830S (grooved) SVR Exit Devices are used primarily for double door applications

8630F (smooth)/8830F (grooved) Fire Rated SVR Exit Devices are used for listed fire labeled double doors up to 8' x 8' (2438mm x 2438mm)

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|--|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. Bottom latch - 5/8" (16mm) throw. Held in retracted position during door swing |
| Strikes | Top - 812 (panic), 822 (fire) Bottom - 815 (panic), 825 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD For wood doors sex nuts and bolts (SNB) can be ordered separately Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter tubular with rod guides. Top rod has two pieces for accommodating 7' or 8' doors Bottom rod is one piece with a length of 31-1/4" (794mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


812

822

815

825

Surface Vertical Rod Exit Devices (SVR) Less Bottom Rod (LBR)

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.



8630S (SMOOTH)/8830S (GROOVED)

Panic Rated SVR Exit Devices Less Bottom Rod (LBR)



8630F (SMOOTH)/8830F (GROOVED)

Fire Rated SVR Exit Devices Less Bottom Rod (LBR)



Note: These LBR devices have been re-tested and approved by two nationally recognized test laboratories. Fire Rated LBR devices must use a UL listed Fire Latch Bolt (see Fire Latch Bolt on page 120)

CERTIFICATION

Warnock Hersey Listed: Panic Exit Hardware

UL/cUL Listed: 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8630S (smooth)/8830S (grooved) SVR Exit Devices LBR are used primarily for double door applications where use of bottom latch poses problems due to cleaning and other issues

8630F (smooth)/8830F (grooved) Fire Rated SVR Exit Devices LBR are used for listed fire labeled double doors up to 8' x 8' (2438mm x 2438mm).

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|--|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. |
| Strikes | Top - 812 (panic), 822 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD and SNB furnished for top latch For wood doors sex nuts and bolts (SNB) can be ordered separately Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter tubular with rod guides. Top rod has two pieces for accommodating 7' or 8' doors |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |



812



822

Concealed Vertical Rod Exit Devices (CVR)

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.

8650S (SMOOTH)/8850S (GROOVED)

Panic Rated CVR Exit Devices



8650F (SMOOTH)/8850F (GROOVED)

Fire Rated CVR Exit Devices



Note: CVR devices cannot be installed less bottom rod (LBR)

CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware
ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8650S (smooth)/8850S (grooved) CVR Exit Devices are used primarily for double door applications
8650F (smooth)/8850F (grooved) Fire Rated CVR Exit Devices are used for listed fire labeled double doors up to 8' x 8' (2438mm x 2438mm)

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 44-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. Bottom latch - 5/8" (16mm) throw. Held in retracted position during door swing |
| Strikes | Top - 813 (panic), 823 (fire) Bottom - 815 (panic) , 825 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter tubular. Top rod has two pieces for accommodating 7' or 8' doors Bottom rod is one piece with a length of 31-1/4" (794mm) |
| Projection | Push bar Neutral 3-1/16" (78mm).Push bar Depressed 2-19/32" (66mm) |



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825

Wood Door Concealed Vertical Rod Exit Devices (CVR)

The Lawrence Hardware 8600/8800 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.



WD8650S (SMOOTH)/WD8850S (GROOVED)

Panic Rated CVR Exit Devices



WD8650F (SMOOTH)/WD8850F (GROOVED)

Fire Rated CVR Exit Devices

Note: CVR devices cannot be installed less bottom rod (LBR)

CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

WD8650S (smooth)/WD8850S (grooved) Wood Door CVR Exit Devices are used primarily for double door applications

WD8650F (smooth)/WD8850F (grooved) Wood Door Fire Rated CVR Exit Devices are used for listed fire labeled double wood doors up to 8' x 8' (2438mm x 2438mm)

These devices are furnished with two (2) reinforced plates to strengthen both the top and bottom edge of a wood door

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 4-1/4" (107mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. Bottom latch - 5/8" (16mm) throw. Held in retracted position during door swing |
| Strikes | Top - 813 (panic), 823 (fire) Bottom - 815 (panic), 825 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Sex nuts and bolts (SNB) are supplied standard. |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter. Top rod has two pieces for accommodating 7' or 8' doors Bottom rod is one piece with a length of 31-1/4" (794mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


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Narrow Rim Exit Devices

The Lawrence Hardware 8500/8700 series has a full line of heavy duty wide stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance. They are designed for use on contemporary glass aluminum doors.

8510S (SMOOTH)/8710S (GROOVED)

Narrow Panic Rated Rim Exit Devices



8510F (SMOOTH)/8710F (GROOVED)

Narrow Fire Rated Rim Exit Devices



CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware
ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

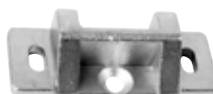
8510S (smooth)/8710S (grooved) Narrow Rim Exit Devices are used for narrow stile aluminum door applications. Narrow stile devices may also be used on wide stile doors for appearance.
8510F (smooth)/8710F (grooved) Fire Rated Rim Exit Devices are used for listed fire labeled single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors with mullion.

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm)door size |
| Minimum Stile Width | 2-19/32" (66mm) |
| Latch Bolt | 3/4" (19mm) throw, deadlocking design |
| Strikes | 801 (Panic), 802 (Fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard. For wood doors sex nuts and bolts (SNB) can be ordered separately Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


801

802

Narrow Surface Vertical Rod Exit Devices (SVR)

The Lawrence Hardware 8500/8700 Series has a full line of heavy duty narrow stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.



8530S (SMOOTH)/8730S (GROOVED)

Narrow Panic Rated SVR Exit Devices



8530F (SMOOTH)/8730F (GROOVED)

Narrow Fire Rated SVR Exit Devices

CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8530S (smooth)/8730S (grooved) Narrow SVR Exit Devices are used primarily for double door applications on glass aluminum doors.

8530F (smooth)/8730F (grooved) Narrow Fire Rated SVR Exit Devices are used for appearance reasons on listed fire labeled double doors up to 8' x 8' (2438mm x 2438mm)

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|--|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm)door size |
| Minimum Stile Width | 2-19/32" (66mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. Bottom latch - 5/8" (16mm) throw. Held in retracted position during door swing |
| Strikes | Top - 812 (panic), 822 (fire) Bottom - 815 (panic) , 825 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD and SNB furnished for top and bottom latches Optional (SNB) can be ordered separately for device Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter tubular with rod guides. Top rod has two pieces for accommodating 7' or 8' doors. Bottom rod is one piece with a length of 31-1/4" (794mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


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Narrow Concealed Vertical Rod Exit Devices (CVR)

The Lawrence Hardware 8500/8700 Series has a full line of heavy duty narrow stile Panic and Fire Rated Exit hardware. This series is the perfect choice for safety, security, durability and modern appearance.



8550S (SMOOTH)/8750S (GROOVED)

Narrow Panic Rated CVR Exit Devices



8550F (SMOOTH)/8750F (GROOVED)

Narrow Fire Rated CVR Exit Devices



Note: CVR devices cannot be installed less bottom rod (LBR)

CERTIFICATION

UL/cUL Listed: Listing for Panic Exit Hardware and 3 Hour rating for Fire Exit Hardware

ANSI/BMHA Certified: Devices are A156.3 Grade 1.

APPLICATIONS

8550S (smooth)/8750S (grooved) Narrow CVR Exit Devices are used primarily for glass aluminum double door applications

8550F (smooth)/8750F (grooved) Narrow Fire Rated CVR Exit Devices are used primarily for appearance reasons for listed fire labeled double doors up to 8' x 8' (2438mm x 2438mm)

FINISHES

Lawrence Hardware Exit Devices are available in the following architectural finishes: US3, US4, US10, US10B, US26, US26D and US32D.

SPECIFICATIONS

| | |
|---------------------|---|
| Device Lengths | Short (36") actual end to end length 33-1/2" (850mm) Long (48") actual end to end length 45-1/2" (1137mm) |
| Door Widths | Short (36") for 29" to 36" (736mm to 914mm) door size Long (48") for 33" to 48" (838mm to 1219mm) door size |
| Minimum Stile Width | 2-19/32" (107mm) |
| Latch Bolt | Top latch - 5/8" (16mm) throw. Bottom latch - 5/8" (16mm) throw. Held in retracted position during door swing |
| Strikes | Top - 813 (panic), 823 (fire) Bottom - 815 (panic), 825 (fire) |
| Dogging | Panic Device - Hex Key Dogging (RD) standard Fire Exit device - No Dogging (ND) |
| Dogging Options | Cylinder Dogging (CD) Less Dogging (LD) |
| Fasteners | Panic Device - Machine screws furnished standard for HMD and SNB furnished for top and bottom latches Optional (SNB) can be ordered separately for device Fire Exit Device - Sex nuts and bolts (SNB) supplied standard |
| Mounting Height | Standard device centreline from finished floor is 40" (1016mm) |
| Door Opening Height | Available for Standard door height of 7' or 8' |
| Vertical Rods | 1/2" (13mm) diameter tubular. Top rod has two pieces for accommodating 7' or 8' doors Bottom rod is one piece with a length of 31-1/4" (794mm) |
| Projection | Push bar Neutral 3-1/16" (78mm). Push bar Depressed 2-19/32" (66mm) |


813

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MATERIAL

Wide and Narrow Stile Devices

Part Name

| | |
|-------------------------------------|-------------------------------------|
| 1. Auxiliary Guarded Latch | Stainless Steel |
| 2. Latch Bolt, 3/4" (19mm) throw | Stainless Steel |
| 3. Chassis Cover (Head Cover) | Nonferrous Alloy or Stainless Steel |
| 4. Chassis | Plated Steel |
| 5. Push Bar | Extruded Aluminum |
| 6. Push Bar End Cap | Nonferrous Alloy |
| 7. Push Bar Trim | Brass, Stainless Steel, Steel |
| 8. Mechanism Housing (Device Body) | Extruded Aluminum |
| 9. Dogging Plate (Rear Cover) | Extruded Aluminum |
| 10. End Cap | Nonferrous Alloy |
| 11. Top Latch, 5/8" (16mm) throw | Stainless Steel |
| 12. Latch Assembly Cover | Brass, Stainless Steel, Steel |
| 13. Top Vertical Rod and Rod Guide | Strong Aluminum Tube |
| 14. Bottom Vertical Rod | Strong Aluminum Tube |
| 15. End Cap Bracket | Plated Steel |
| 16. Bottom Latch, 5/8" (16mm) throw | Stainless Steel |

WIDE STILE DEVICE LENGTH 8600/8800 SERIES

The Device lengths are precut for 36" (914mm) and 48" (1219mm) wide door use (standard shipping size).

THE SHORT DEVICE, 36"

(914mm) has an actual end to end length of 33-1/2" (850mm) suitable for a 36" (914mm) wide door use. Push pad length is 18-1/4" (464mm)

The short Device can be cut down to a minimum end to end size of:

Standard Device (S) 27" (686mm)

Fire Rated Device (F) 25-1/4" (641mm)

THE LONG DEVICE, 48"

(1219mm) has an actual end to end length of 45-1/2" (1156mm) suitable for a 48" (1219mm) wide door use.

Push pad length is 21-1/2" (546mm)

The long device can be cut down to a minimum end to end size of:

Standard Device (S) 31" (787mm)

Fire Rated Device (F) 28-1/2" (724mm)

VERTICAL RODS

Our standard and fire rated vertical rod exit device accommodates up to 8' (2438mm) doors. Fire rated devices may be ordered for up to 10' (3048mm) fire exit doors. Specify door height if greater than standard sizes when ordering.

Note: For fire rated devices consult door manufactures literature for maximum allowable door height and width.

Note: End to end length does not include latch bolt.

NARROW STILE DEVICE LENGTH 8500/8700 SERIES

The Device lengths are precut for 36" (914mm) and 48" (1219mm) wide door use (standard shipping size).

THE SHORT DEVICE, 36"

(914mm) has an actual end to end length of 34 1/4" (870mm) suitable for a 36" (914mm) wide door use.

Push pad length is 18 1/4" (546mm)

The short Device can be cut down to a minimum end to end size of:

Standard Device (S) 27 (686mm)

Fire Rated Device (F) 25 1/4" (641mm)

THE LONG DEVICE, 48" (1219mm) has an actual end to end length of 45" (1143mm) suitable for a 48" (1219mm) wide door use. Push pad length is 21-1/2" (456mm)

The long device can be cut down to a minimum end to end size of:

Standard Device (S) 32-1/2" (826mm)

Fire Rated Device (F) 31 (787mm)

VERTICAL RODS

Our standard and fire rated vertical rod exit device accommodates up to 8' (2438mm) doors. Fire rated devices may be ordered for up to 10' (3048mm) fire exit doors. Specify door height if greater than standard sizes when ordering.

Note: For fire rated devices consult door manufactures literature for maximum allowable door height and width.

Note: End to end length does not include latch bolt.

SEX NUTS AND BOLTS (SNB)

SNB-For 1-3/4" Door

618



1-9/16"

3/4"

SNB-For 2-1/4" Door

623



1-9/16"

1"

SNB-For 2-1/2" Door

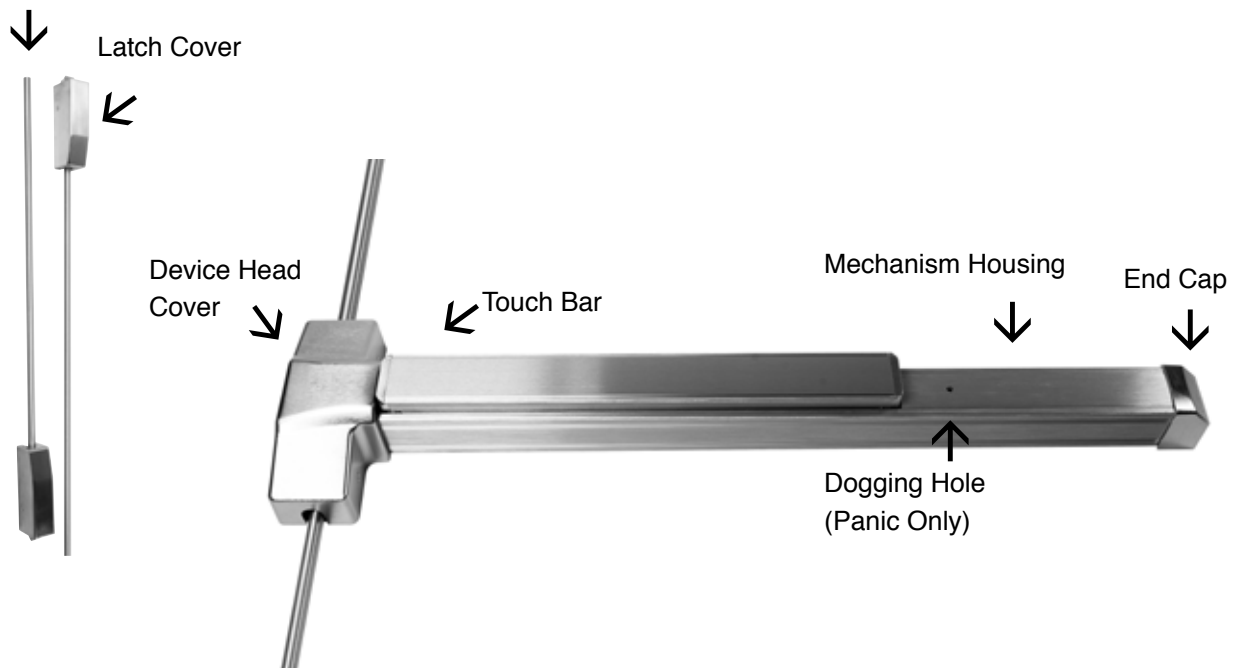
630



1-9/16"

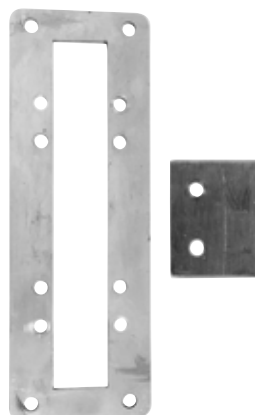
1-1/4"

Vertical Rod

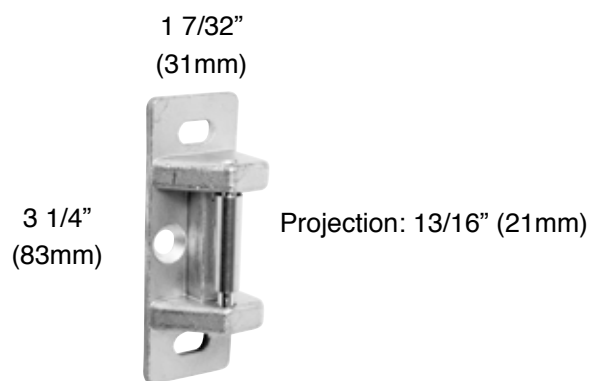


ACCESSORIES SHIM KITS 8000 SERIES

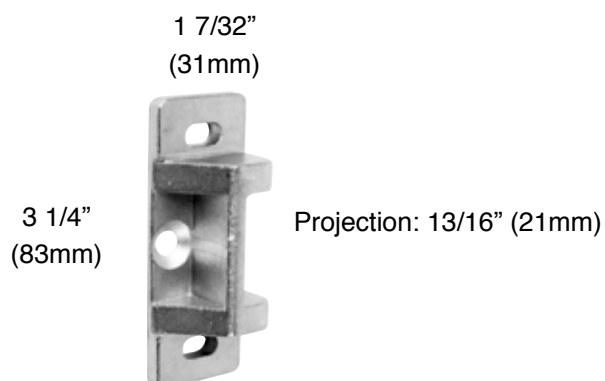
1/8 thick shim plates for use on door with glass bead. Foot print matches 8000 series. Devices as specified (8700 or 8800)



Rim Strikes

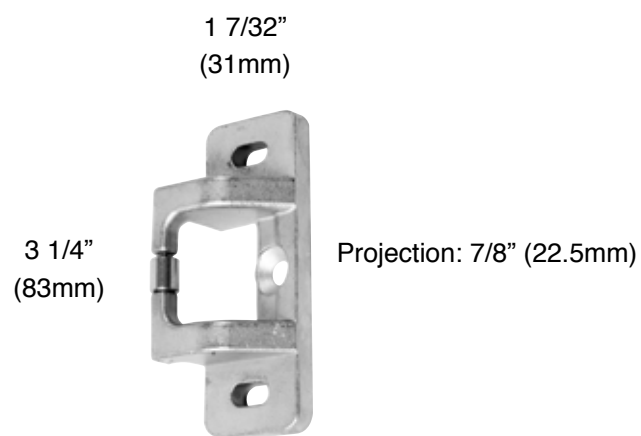


801

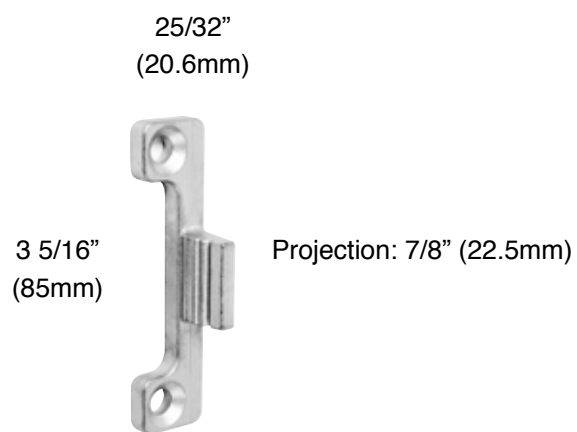


802

Mullion Strikes



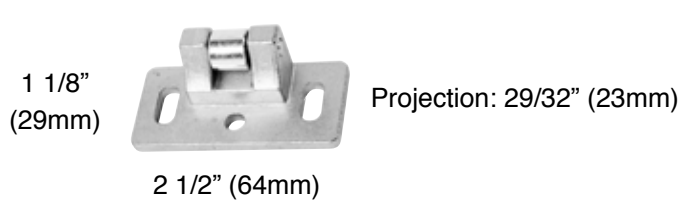
688



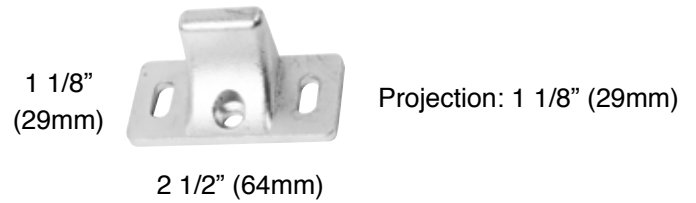
689

Vertical Rod Strikes

TOP STRIKES SVR

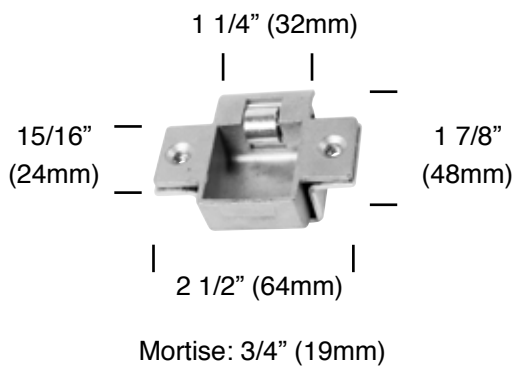


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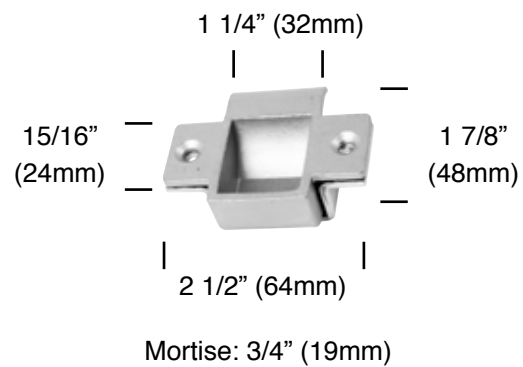


822

TOP STRIKES CVR

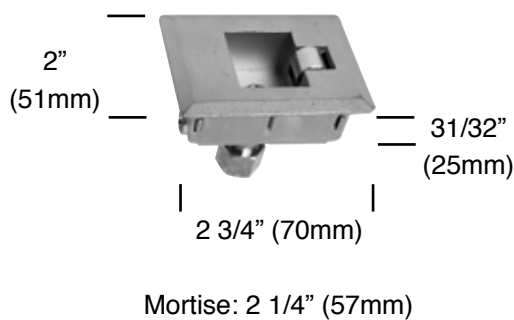


813

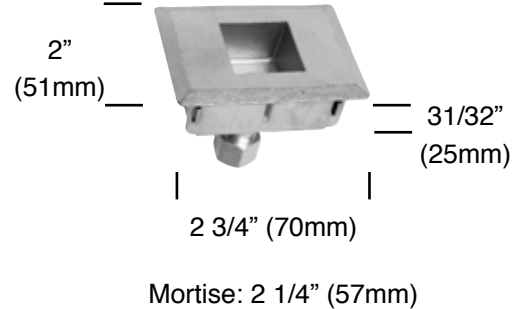


823

BOTTOM STRIKES (FLOOR STRIKES)



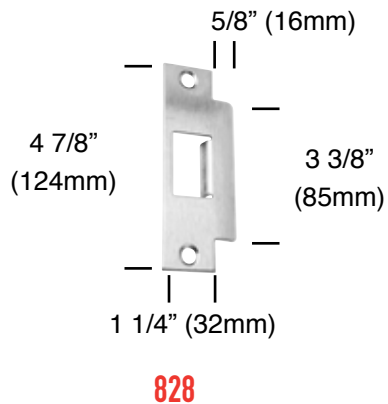
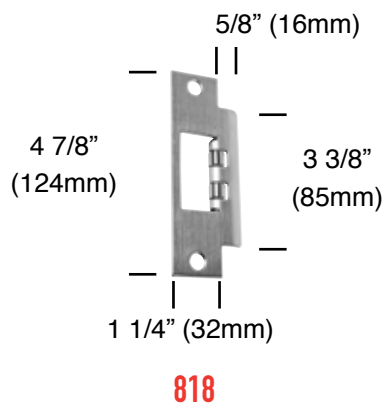
815



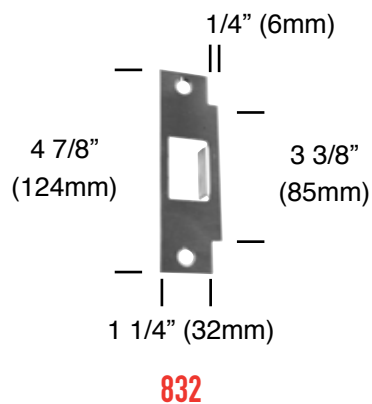
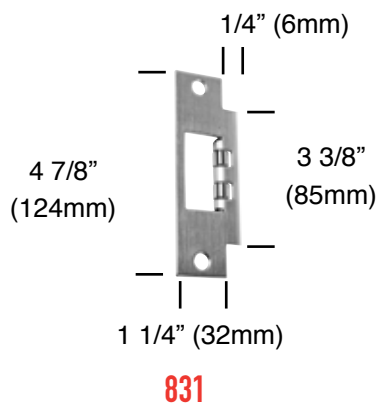
825

Mortise Strikes

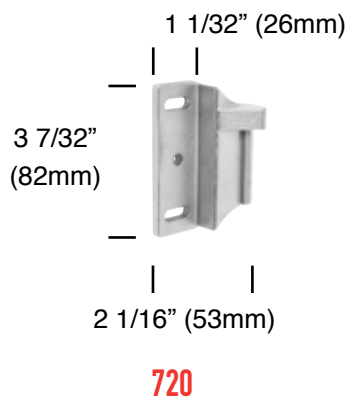
STANDARD LIP



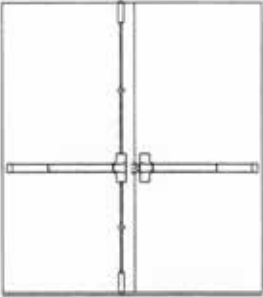
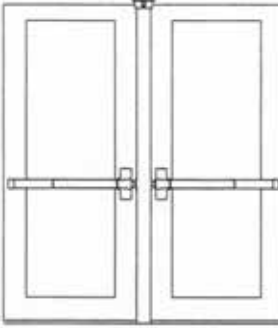
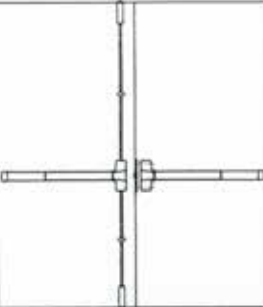
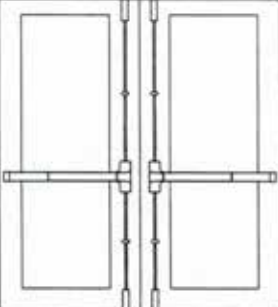

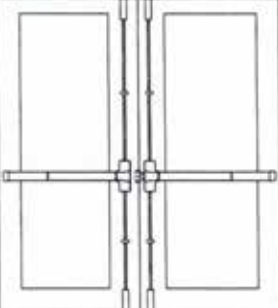
SHORT LIP



Double Door Strike (Sold separately)



DOUBLE DOOR APPLICATIONS





| | |
|--|---|
|  <p>Rim Device and SVR or CVR Device combination - same direction. Overlapping astragal is not required, but coordinator required with a double door strike.</p> |  <p>Two Rim Devices on 2-independent active doors with removable mullion.</p> |
|  <p>Mortise Lock Device & SVR Device Combination - same direction. Overlapping astragal is not required, but coordinator required with a standard ANSI strike.</p> |  <p>Two Surface Vertical Rod (SVR) or Concealed Vertical Rod (CVR) - same direction. Overlapping astragal is not required.</p> |
|  <p>Two Surface Vertical Rod (SVR) Devices - double egress. Overlapping astragal required or not required, option.</p> |  <p>SVR and Three-Latching Device combination - same direction. Overlapping astragal is not required, but coordinator required with a double door strike.</p> |

Model 88L and 88E Series Escutcheon Levers (Flat Top Escutcheon)

FEATURES:

1. Non-handed trim is easy to install
2. Easy operating lever handle allows for convenient one hand operation
3. Most popular 8 finishes to choose from: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (689), and US32D (630).
4. Escutcheon Trim has 4 through bolts connected to the device chassis for more security and durability. Trims fit 1-3/4" (44mm) doors standard. For 2" (51mm), 2-1/4" (57mm) or any other non standard door thickness please specify door thickness when ordering.
5. 88L and 88E Escutcheons and levers are alloy cast.
6. Anti-Vandalism design prevents lock from damage. When key locks the lever is rigid and in the horizontal position.

MODELS AND FUNCTIONS





| Operation Options | Key Locks and Unlocks Lever | Lever Always Active (no Cylinder) | Key Retracts Latchbolt (Rigid Lever) | Pull When Device Dogged (Rigid Lever) |
|---|--|--|--|--|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Storeroom | Dummy* |
| Trim Designation | Cylinder Escutcheon Lever | Blank Escutcheon Lever | Night Latch Escutcheon Lever | Dummy Escutcheon Lever |
| Model number and uses | For Rim, Surface / Concealed Vertical Rod and LBR | | | |
| | 88L01A | 88L01B | 88L01C | 88L01D |
| | For Mortise Lock Exit Devices Only | | | |
| | 88E01A | 88E01B | 88E01C | 88E01D |
| | | | | |
| Escutcheon Plate Size | 9-7/16" x 2-15/16" x 13/16" (240mm x 75mm x 21mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

Model 89L and 89E Series Escutcheon Levers (Radius Top Escutcheon)

FEATURES:

1. Non-handed trim is easy to install
2. Easy operating lever handle allows for convenient one hand operation
3. Most popular 8 finishes to choose from: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (689), and US32D (630).
4. Escutcheon Trim has 4 through bolts connected to the device chassis for more security and durability. Trims fit 1-3/4" (44mm) doors standard. For 2" (51mm), 2-1/4" (57mm) or any other non standard door thickness please specify door thickness when ordering.
5. 89L and 89E Escutcheons and levers are alloy cast.
6. Freewheeling clutched lever. The lever will rotate downwards or upwards when in the locked position preventing excessive force from being applied when the lever is in the horizontal position. This feature will reduce forced entry and prevent damage to the exit device.

MODELS AND FUNCTIONS:

| Operation Options | Key Locks and Unlocks Lever | Lever Always Active (no Cylinder) | Key Retracts Latchbolt (Rigid Lever) | Pull When Device Dogged (Rigid Lever) |
|---|---|---|---|---|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Storeroom | Dummy* |
| Trim Designation | Cylinder Escutcheon Lever | Blank Escutcheon Lever | Night Latch Escutcheon Lever | Dummy Escutcheon Lever |
| Model number and uses | For Rim, Surface / Concealed Vertical Rod and LBR | | | |
| | 89L01A | 89L01B | 89L01C | 89L01D |
| | For Mortise Lock Exit Devices Only | | | |
| | 89E01A | 89E01B | 89E01C | 89E01D |
| | | | | |
| Escutcheon Plate Size | 9-7/16" x 2-15/16" x 13/16" (240mm x 75mm x 21mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

Model 88L / 89L and 88E / 89E Series Escutcheon Levers

Optional Lever Designs

01 STANDARD



02



05



17



Note: The 88E and 89E Series trims for use with mortise lock exit devices cannot be ordered individually. Trims must be packed together with mortise lock exit device when ordered.

How to order: For 88E and 89E Series Trims with mortise lock device please use the following nomenclature.

8820 - 36 - 89E - 01 - A - 626

Device model number = 8820

Device length = 36"

Trim model number = 89E

Lever = 01

Function = A

BHMA Finish =626

Function Codes:

A - Classroom

B - Passage

C - Storeroom

D - Dummy

How to order: For 88L and 89L Series Trims with rim device please use the following nomenclature.

8810 - 36 - 89L - 01 - A - 626

Device model number = 8810

Device length = 36"

Trim model number = 89L

Lever = 01

Function = A

BHMA Finish =626

Function Codes:

A - Classroom

B - Passage

C - Storeroom

D - Dummy





Model 87P and 87E Series Pull Plates (Radius Top Plate)

FEATURES:

1. Non-handed, easy to install
2. Most popular 8 architectural finishes to choose from: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (628), and US32D (630).
3. Trim has through-bolts to securely fasten to device chassis

MODELS AND FUNCTIONS:

Models and Functions:

| | | | | |
|---|---|---|---|---|
| Operation Options | Key Locks and Unlocks Thumbpiece | Thumbpiece Always Active (no Cylinder) | Key Retracts Latchbolt | Pull When Device Dogged |
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Night Latch | Dummy* |
| Trim Designation | Cylinder Pull Plate with Thumbpiece | Blank Pull Plate with Thumbpiece | Cylinder Pull Plate | Dummy Pull Plate |
| Model number and uses | For Rim, Surface Vertical Rod and LBR | | | |
| | 87P-5A | 87P-5B | 87P-5C | 87P-5D |
| | Concealed Vertical Rod | | | |
| | 87P-6A | 87P-6B | 87P-6C | 87P-6D |
| | For Mortise Lock Exit Devices Only | | | |
| | 87E-4A | 87E-4B | 87E-4C | 87E-4D |
| | | | | |
| | | | | |
| Escutcheon Plate Size | 14-11/16" x 3" x 3/32" (373mm x 76mm x 2mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

Trims will accept cylinders from other manufacturers

Cylinders are not furnished standard

The 87E Series Trim, used for mortise lock devices cannot be ordered separate. These trims must be packed together with the mortise lock exit device when ordered.

How to order 87E Series Trims with mortise lock devices. Please use the following nomenclature:

8820 - 36 - 87E - 4A - 626

Device Model Number = 8820

Device Length = 36

Trim Model Number = 87E

Function Code = 4A

BHMA Finish = 626

Function code:

A - Classroom

B - Passage

C - Night Latch

D - Dummy





Model 86P and 86E Series Pull Plates (Flat Top Plate)

FEATURES:

1. Non-handed, easy to install
2. Most popular 8 architectural finishes to choose from: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (628), and US32D (630).
3. Trim has through-bolts to securely fasten to device chassis

MODELS AND FUNCTIONS:

Models and Functions:

| Operation Options | Key Locks and Unlocks Thumbpiece | Thumbpiece Always Ac (no Cylinder) | Key Retracts Latchbolt | Pull When Device Dogged |
|---|---|---|---|---|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Night Latch | Dummy* |
| Trim Designation | Cylinder Pull Plate with Thumbpiece | Blank Pull Plate with Thumbpiece | Cylinder Pull Plate | Dummy Pull Plate |
| Model number and uses | For Rim, Surface Vertical Rod and LBR | | | |
| | 86P-5A | 86P-5B | 86P-5C | 86P-5D |
| | Concealed Vertical Rod | | | |
| | 86P-6A | 86P-6B | 86P-6C | 86P-6D |
| | For Mortise Lock Exit Devices OnlyNote: Classroom Ftn requires 1-1/2" Cylinder | | | |
| | 86E-4A | 86E-4B | 86E-4C | 86E-4D |
| | | | | |
| Escutcheon Plate Size | 14-11/16" x 3" x 3/32" (373mm x 76mm x 2mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

Trims will accept cylinders from other manufacturers

Cylinders are not furnished standard

The 86E Series Trim, used for mortise lock devices cannot be ordered separate. These trims must be packed together with the mortise lock exit device when ordered.

How to order 86E Series Trims with mortise lock devices. Please use the following nomenclature:

8820 - 36 - 86E - 4A - 626

Device Model Number = 8820

Device Length = 36

Trim Model Number = 86E

Function Code = 4A

BHMA Finish = 626

Function code:

A - Classroom

B - Passage

C - Night Latch

D - Dummy





Model 85P Series Pull Plates (Narrow, Radius Top Plate)

FEATURES:

1. Non-handed, easy to install
2. Available in 8 popular finishes: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (689) and US32D (630)
3. Trim is secured to the device using through bolts for more security and durability. Trim fits 1-3/4" (44mm) door standard. For 2" (51mm) or 2-1/4" (57mm) be sure to specify on the order.

MODELS AND FUNCTIONS:

Models and Functions:

| | | | | |
|---|---|---|---|---|
| Operation Options | Key Locks and Unlocks Thumbpiece | Thumbpiece Always Ac (no Cylinder) | Key Retracts Latchbolt | Pull When Device Dogged |
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Night Latch | Dummy* |
| Trim Designation | Cylinder Pull Plate with Thumbpiece | Blank Pull Plate with Thumbpiece | Cylinder Pull Plate | Dummy Pull Plate |
| Model number and uses | For Rim, Surface Vertical Rod and LBR Type Exit Devices Use | | | |
| | 85P-3A | 85P-3B | 85P-3C | 85P-3D |
| | Concealed Vertical Rod Type Exit Device Use | | | |
| | 85P-4A | 85P-4B | 85P-4C | 85P-4D |
| | | | | |
| | | | | |
| Escutcheon Plate Size | 14-1/2" x 1-25/32" x 3/32" (368mm x 45mm x 2mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |





Trims will accept cylinders from other manufacturers
Cylinders are not furnished standard

Model 84P Series Pull Plates (Narrow, Flat Top Plate)

FEATURES:

1. Non-handed, easy to install
2. Available in 8 popular finishes: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (689) and US32D (630)
3. Trim is secured to the device using through bolts for more security and durability. Trim fits 1-3/4" (44mm) door standard. For 2" (51mm) or 2-1/4" (57mm) be sure to specify on the order.

MODELS AND FUNCTIONS:





| | | | | |
|---|---|---|---|---|
| Operation Options | Key Locks and Unlocks Thumbpiece | Thumbpiece Always Ac (no Cylinder) | Key Retracts Latchbolt | Pull When Device Dogged |
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Night Latch | Dummy* |
| Trim Designation | Cylinder Pull Plate with Thumbpiece | Blank Pull Plate with Thumbpiece | Cylinder Pull Plate | Dummy Pull Plate |
| Model number and uses | For Rim, Surface Vertical Rod Type Exit Devices Use | | | |
| | 84P-3A | 84P-3B | 84P-3C | 84P-3D |
| | Concealed Vertical Rod | | | |
| | 84P-4A | 84P-4B | 84P-4C | 84P-4D |
| | | | | |
| Escutcheon Plate Size | 14-1/2" x 1-25/32" x 3/32" (368mm x 45mm x 2mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

Trims will accept cylinders from other manufacturers
Cylinders are not furnished standard

Model SF801 Series Levers with Round Roses

FEATURES:

1. Non-handed and easy to install
2. Lever handle allows convenient one hand operation
3. Available in US32D (630)
4. Trim has two through bolts that connect to the device chassis providing increased durability and security
5. Lever is freewheeling (clutch). The lever will rotate when locked to prevent excessive force being applied. This reduces the chances of the lever being damaged.
6. These trims have four operational options as per the table below.

| Operation Options | Key Locks and Unlocks Lever | Lever Always Active (no Cylinder) | Key Retracts Latchbolt (Rigid Lever) | Pull When Device Dogged (Rigid Lever) |
|---|--|--|--|--|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Storeroom | Dummy* |
| Trim Designation | Cylinder round rose lever | No cylinder round rose lever | Cylinder round rose lever | No cylinder round rose lever |
| Model number and uses | For 8000 Series Rim and Surface Vertical Rod | | | |
| | SF801A | SF801B | SF801C | SF801D |
| | | | | |
| Dimensions | Rose Diametre 3-3/8" (86mm) x Lever 5-1/4" (133mm) x Projection 3" (76mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |

Model 7200 Fire-Rated Keyed Removable Mullion

For use with Fire-Rated Rim Exit Devices on fire-rated pairs of doors

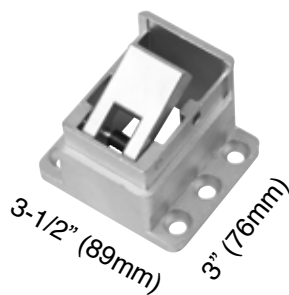


SPECIFICATIONS

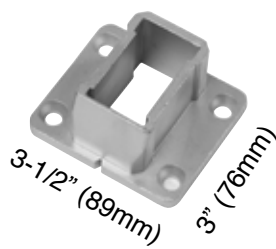
| | |
|----------------|---|
| Mullion Tube | 2" (51mm) wide x 3" (76mm) deep, with wall thickness of 1/8" (3mm) 11 gauge. |
| Mullion Size | 2 sizes 7' (2134mm) and 8' (2438mm) Mullion can be cut in the field as required |
| Cylinder | Use a rim cylinder, model 426 or a interchangeable core, model 308 (sold separately) |
| Top Bracket | Stainless Steel (model 752F). Using key allows mullion to be removed in seconds. Mullion can be locked into top bracket easily without using key. |
| Bottom Bracket | Stainless Steel (model 755F). Fixed by 4 hex bolts and anchors |
| Shims | 1/2" (13mm) and 5/8" (16mm) shims included |
| Fasteners | Each mullion includes the following fasteners: 2 Flat Head Machine Screws, 5/16-18 x 1-1/2" Stainless Steel 4 Flat Head Machine Screws, 5/16-18 x 5/8" Stainless Steel 4 Hex Head Machine Screws, 5/16-18 x 1-1/4" Stainless Steel 4 Expansion Anchors, 1/2" Diameter x 1-1/2" long Steel |
| Strikes | Use 2 (sets) of mullion strikes (688) and strike hooks (689) sold separately. |
| Finish | Powder coated gray only. |

Brackets

752F TOP



755F (BOTTOM)



Strikes (Sold Separately)

688

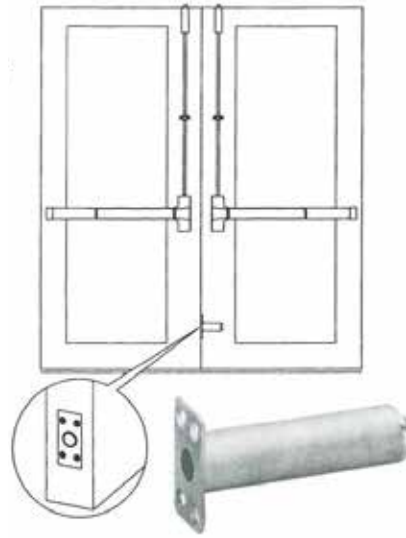


689



See page 103 for dimensional information

Fire Latch Bolt (FL001)



A Fire Latch Bolt is used with a pair of UL listed fire rated Less Bottom Rod (LBR) exit devices. The Fire Latch Bolt is a spring loaded stainless steel bolt that installs in the lower door edge to replace bottom vertical rods of two Surface Vertical Rod (SVR) exit devices on double doors. The UL listed fire latch bolt is a temperature actuated bolt that is designed to release from one door leaf and engage the other door. Thus, connecting the opposite door leaf and keeping the doors in alignment and closed during a fire.

SPECIFICATIONS

UL listed, furnished with pairs of Surface Vertical Rod (SVR) devices less bottom rod (LBR). Fire latch bolt is not sold separately.

| | |
|----------------|-------------------------------|
| Faceplate | 1-25/32" (45mm) x 1" (25.4mm) |
| Bolt Diameter | 27/32" (21.6mm) |
| Length of bolt | 3-5/32" (80mm) |
| Material | Stainless Steel |

Dogging options



LESS DOGGING (LD)

Less Dogging is available on all 8000 Series Panic Exit Devices when users want to remove the standard dogging feature.



CYLINDER DOGGING (CD)

Cylinder Dogging is available on all 8000 Series Panic Exit Devices to replace standard hex key dogging. Cylinder dogging requires a standard 1-1/4" (32mm) mortise cylinder with a straight cam. This option can be ordered with the device when specified.

Note: Cylinder Dogging Kit (CDK) can be ordered for field conversion. This option cannot be used on fire exit hardware.

Cylinder Options

Cylinders are not supplied when ordering a device or a trim. Please order separately. The pages detailing trim designs and functions advise cylinder type required.

Mortise Cylinder

STANDARD TYPE

526



INTERCHANGEABLE CORE (SFIC)

208



SMALL FORMAT INTERCHANGEABLE CORE (SFIC)

LH-7 PIN IC CORE



Rim Cylinder

STANDARD TYPE

426



INTERCHANGEABLE CORE (SFIC)

308



LARGE FORMAT INTERCHANGEABLE CORE (LFIC)

LH-IC CORE LARGE FORMAT



Note: Standard cylinder is 1-1/4" long. SFIC cylinders are 1-3/8" long LFIC Cylinders are 1-1/2" long. Please specify cam.



LH77-US32D (630)



LH78-US32D (630) LHR SHOWN



LH79-US32D (630) RHR SHOWN

Vandal Resistant Trim

APPLICATIONS

For use with 8600/8800 (wide stile) rim and vertical rod exit devices
Bolts directly to baseplate
Cylinder cutout available 1-1/4" (32mm)
Order cylinder with collar separately

FINISHES

US32D (630), US32 (629) other architectural
Finishes available by request

SPECIFICATIONS

Material: 11 GA. (.12" 3mm) thick stainless steel
Size: 6-3/8" x 11" (162mm x 280mm)
Projection: 1-7/8" (48mm)
Door Thickness: 1-3/4" – 2" (45mm – 51mm)
Clearance: 1-5/8" (41mm)

**LH80-US32D (630)****LH81-US32D (630) LHR SHOWN****LH82-US32D (630) RHR SHOWN**

Vandal Resistant Trim with Latchguard

APPLICATIONS

For use with 8600/8800 (wide stile) rim and vertical rod exit devices

Bolts directly to baseplate

Cylinder cutout available 1-1/4" (32mm)

Order cylinder with collar separately

FINISHES

US32D (630), US32 (629) other architectural

Finishes available by request

SPECIFICATIONS

Material: 11 GA. (.12" 3mm) thick stainless steel

Size: 7 1/4" x 11" (184mm x 280mm)

Projection: 1-7/8" (48mm)

Door Thickness: 1-3/4" – 2" (45mm – 51mm)

Clearance: 1-5/8" (41mm)



LAWRENCE®
HARDWARE INC.

[EXIT DEVICES 5000 SERIES



5000 Series Economy Exit Devices

EXIT DEVICE APPLICATIONS

Exit Device (also known as panic device or panic hardware) is the terminology used in architectural hardware. It is a type of lock having a push bar (also known as a push pad, push rail or touch bar). When the push bar is depressed it will retract the latch bolt (s). Therefore, permitting the door to be opened in the direction of travel. An Exit Device is a critical part of the Fire, Life Safety and Security in all types of buildings.

Exit Devices have two classifications: Panic Hardware and Fire Exit Hardware. Both are designed to provide immediate egress. All Lawrence Hardware Exit Devices are tested and listed by an authorized, nationally recognized independent test laboratory.

Lawrence Hardware 5000 Series Exit Devices are suitable for use in the following types of buildings:

| | |
|-----------------|------------------------|
| Office building | Apartments |
| Retail Store | Multi Family Buildings |
| Healthcare | Stadiums |
| Factories | Gymnasiums |
| Parking Garages | Hospitality |
| Educational | Restaurants |

Our 5000 Series Exit Devices are ideally suited for use on emergency exits in all of these buildings. These durable devices are designed to meet the demand for modern styling by eliminating lever arms and cross bars.

5000 SERIES ECONOMY EXIT DEVICES

These devices are Underwriters Laboratories (UL and cUL) listed for Accident Hazard (Panic) Installations. They also comply with UL305 requirements and are listed for Fire Exit Hardware, UL10C.

FEATURES

All devices are non-handed

The centre case is multi functional

Pressure along any part of the touch pad will retract latch bolt

Auxiliary guarded latch deadlocks automatically when door closes

High shock resistant latching mechanism designed for protection from vandalism or forced entry

All inside components are made of rust resistant alloy or zinc dichromate plated steel

In addition to finishes listed in the price book other architectural finishes and powder coats are available options

Outside trims are available with rose or escutcheon to meet the exact needs of the application.

All trims feature through bolt design for more security and durability

Panic hardware application have the option of hex key (standard) or cylinder dogging (special order). This allows for the convenience of push pull operation during peak traffic periods.

5000 Series Economy Exit Devices

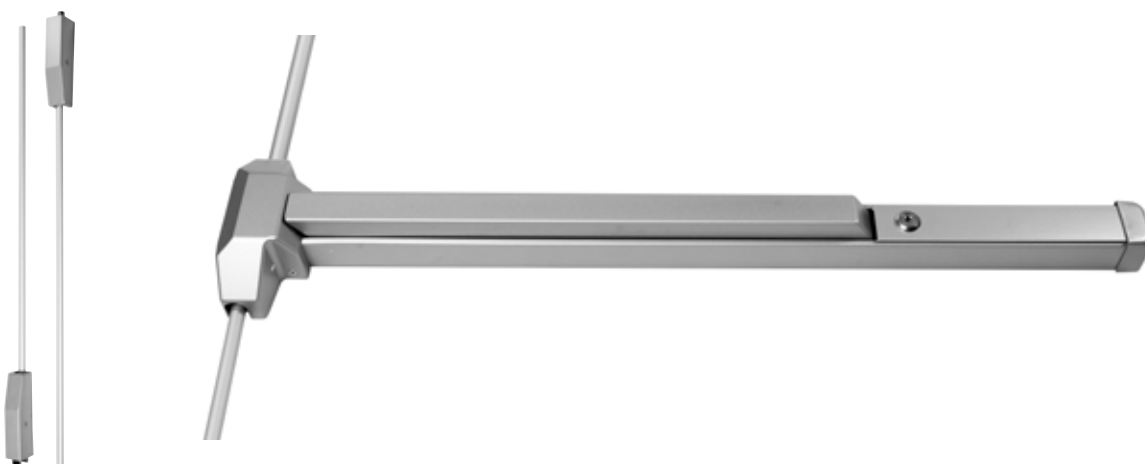
5510S WIDE STILE DESIGN PANIC RIM EXIT DEVICE (SHOWN)

5510F WIDE STILE DESIGN FIRE RIM EXIT DEVICE



5530S WIDE STILE DESIGN PANIC SVR EXIT DEVICE (SHOWN)

5530F WIDE STILE DESIGN FIRE SVR EXIT DEVICE



These two models are wide stile design, UL listed Panic or Fire Exit Hardware

5610S NARROW STILE DESIGN PANIC RIM EXIT DEVICE



5630S NARROW STILE DESIGN PANIC SVR EXIT DEVICE



These two models are narrow stile design, UL listed for Panic Hardware

5500 Series Economy Exit Devices

5510S WIDE STILE DESIGN PANIC RIM EXIT DEVICE - FOR WIDE STILE AND FLUSH DOORS

5510F WIDE STILE DESIGN FIRE RIM EXIT DEVICE - FOR WIDE STILE FIRE LABELLED DOORS



APPLICATIONS

For use on single doors or double doors with mullion. Fire rated on 4' x 8' single doors or 8' x 8' double fire rated doors.

Fasteners provided for standard 1-3/4" (44mm) thick hollow metal or wood doors. Please specify if door is greater than 1-3/4".

Minimum Stile width: 3-1/2" (90mm)

Strikes

531 STRIKE SHIM



Furnished with 532 Strike. This shim is 1/8" thick for use on doors that have a 1/2" stop. This shim allows the device to fully engage the strike. If the stop is 5/8" then this shim is not required.

532 PANIC RIM STRIKE



Surface applied. This is the standard strike on 5000 Series Panic Rim Exit Devices. They are fabricated from stainless steel and have a plated roller.

533 FIRE RIM STRIKE



Surface applied. This is the standard strike on the 5000 Series Fire Rated Rim Devices. It is entirely fabricated from stainless steel including the roller.

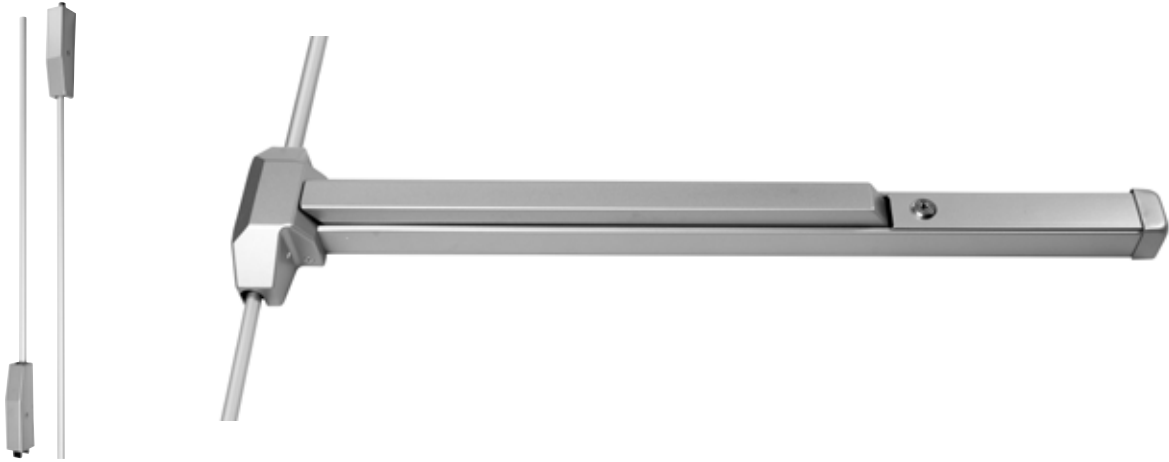
SPECIFICATIONS

| | |
|-------------------|--|
| Device Head Cover | Stainless Steel or nonferrous alloy |
| Chassis | Plated Steel |
| Mechanism Housing | Steel or Stainless Steel |
| Push Bar | Steel or Stainless Steel |
| End Cap | Steel or Stainless Steel |
| Latch Bolt | 100% Stainless Steel, deadlocking type 11/16" (17mm) Throw |
| Strike | 531 and 532 for panic rated 533 for fire rated |
| Handing | Non-Handed |
| Fasteners | Machine screws furnished standard. Sex nuts and bolts (SNB) are required for use on wood doors. Order SNB separately |
| Dogging | Hex key dogging standard on panic rated rim device. Fire rated rim device does not include dogging. |
| Dogging Options | Cylinder dogging (not for use on Fire Rated devices). Less dogging for Rim panic device is also available |
| Finish | 605, 630, 689 and 690 |
| UL Listed | For Panic hardware or for Fire Exit hardware |

5500 Series Economy Exit Devices

5530S WIDE STILE DESIGN PANIC SVR EXIT DEVICE - FOR WIDE STILE AND FLUSH DOORS

5530F WIDE STILE DESIGN FIRE SVR EXIT DEVICE - FOR WIDE STILE FIRE LABELLED DOORS*



* LBR Available

APPLICATIONS

For use on single doors or double doors without mullion. Fire rated on 4' x 8' single doors or 8' x 8' double fire rated doors.

Fasteners provided for standard 1-3/4" (44mm) thick hollow metal or wood doors. Please specify if door is greater than 1-3/4".

Minimum Stile width: 3-1/2" (90mm)

Strikes

534 TOP STRIKE



Applied to surface of stop. Hardened steel, plated

537 BOTTOM STRIKE



Non-ferrous Alloy plated

SPECIFICATIONS

| | |
|-------------------|--|
| Device Head Cover | Stainless Steel or nonferrous alloy |
| Chassis | Plated Steel |
| Mechanism Housing | Steel or Stainless Steel |
| Push Bar | Steel or Stainless Steel |
| End Cap | Steel or Stainless Steel |
| Latch Bolt | 100% Stainless Steel, deadlocking type 1/2" (13mm) Throw |
| Latch case Covers | Steel or stainless steel |
| Vertical rods | Tubular aluminum with rod guides |
| Strike | Top 534, Bottom 537 |
| Handing | Non-Handed |
| Fasteners | Machine screws furnished standard. Sex nuts and bolts (SNB) are required for use on wood doors. Order SNB separately |
| Dogging | Hex key dogging standard on panic rated rim device. Fire rated rim device does not include dogging. |
| Dogging Options | Cylinder dogging (not for use on Fire Rated devices). Less dogging for Rim panic device is also available 605, 630, 689 and 690 |
| UL Listed | For Panic hardware and for Fire Exit hardware |

5500 SERIES DEVICE LENGTH

The device lengths are suitable for 36" or 48" doors without cutting

SHORT 36"

device is 32" (813mm) long with a 20" (508mm) push bar.
This size device can be cut down to 26" (660mm)

LONG 48"

device is 44" (1118mm) long with a 24" (607mm) push bar
This size device can be cut down to 31" (787mm)

Our Standard vertical rods accommodate 7' (2134mm) or 8' (2438mm) exit doors. Specify door height if greater than standard size when ordering.

Note: Length does include latchbolt

5600 Series Devices

MODEL 5610S PANIC-RATED RIM EXIT DEVICE - FOR NARROW STILE EXIT DOOR USE



APPLICATIONS

For use on single doors or double doors with mullion

Standard for 1-3/4" (44mm) thick doors. For other door thicknesses please specify

Minimum stile width is 2-1/2"

Strikes

531 STRIKE SHIM



Furnished with 532 Strike. This shim is 1/8" thick for use on doors that have a 1/2" stop. This shim allows the device to fully engage the strike. If the stop is 5/8" then this shim is not required.

532 PANIC RIM STRIKE



Surface applied. This is the standard strike on 5000 Series Panic Rim Exit Devices. They are fabricated from stainless steel and have a plated roller.

SPECIFICATIONS

| | |
|-------------------|--|
| Device Head Cover | Stainless Steel or nonferrous alloy |
| Chassis | Plated Steel |
| Mechanism Housing | Steel or Stainless Steel |
| Push Bar | Steel or Stainless Steel |
| End Cap | Steel or Stainless Steel |
| Latch Bolt | 100% Stainless Steel, deadlocking type 11/16" (17mm) Throw |
| Deadlocking Latch | 100% Stainless Steel, 5/8" (16mm) throw |
| Strikes | 531 and 532 |
| Handing | Non-Handed |
| Fasteners | Machine screws furnished standard. Sex nuts and bolts (SNB) are required for use on wood doors. Order SNB separately |
| Dogging | Hex key dogging standard on panic rated rim device. |
| Dogging Options | Cylinder dogging. Less dogging for Rim panic device is also available |
| Finish | 605, 630, 689 and 690 |
| UL Listed | For Panic hardware |

MODEL 5630S PANIC-RATED SVR EXIT DEVICE - FOR NARROW STILE EXIT DOOR USE



APPLICATIONS

For use on single doors or double doors where two point latching is required
Standard for 1-3/4" (44mm) thick doors. For other door thicknesses please specify
Minimum stile width is 2-1/2"

Strikes

534 TOP STRIKE



Applied to surface of stop. Hardened steel plated finish

537 BOTTOM STRIKE

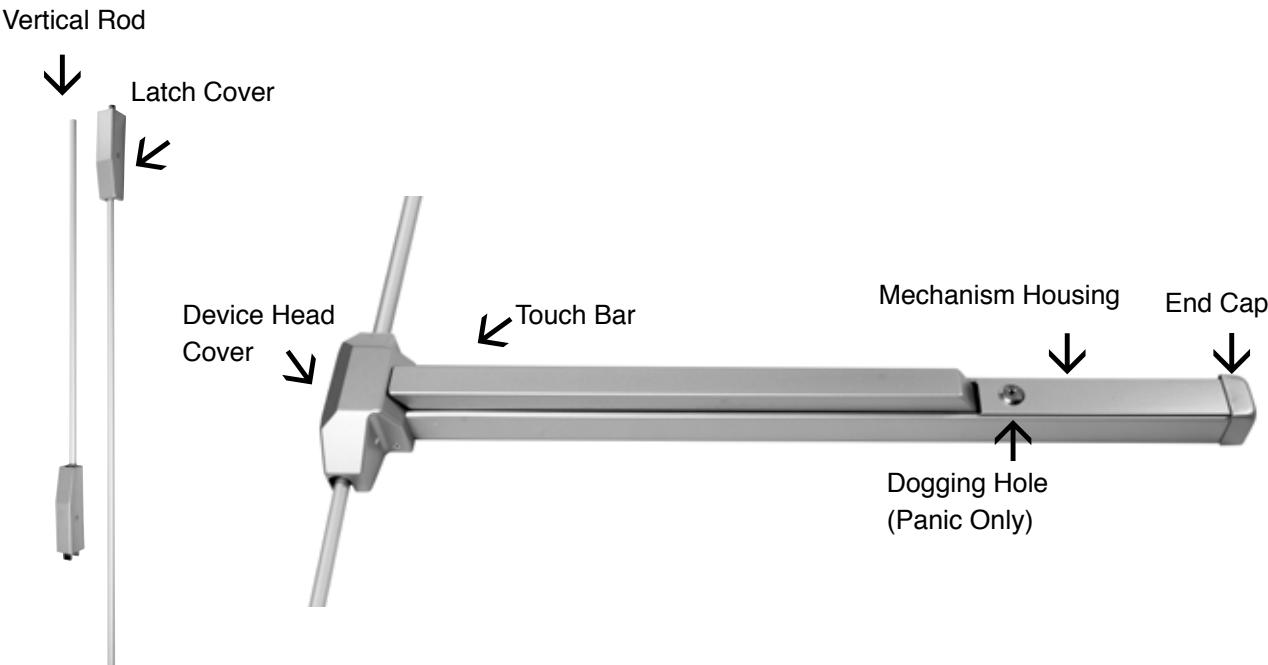


Applied in floor fabricated from nonferrous alloy, plated finish

SPECIFICATIONS

| | |
|-------------------|--|
| Device Head Cover | Stainless Steel or nonferrous alloy |
| Chassis | Plated Steel |
| Mechanism Housing | Steel or Stainless Steel |
| Push Bar | Steel or Stainless Steel |
| End Cap | Steel or Stainless Steel |
| Latch Bolts | 100% Stainless Steel, 1/2" (13mm) |
| Latch Case Covers | Steel or Stainless Steel |
| Vertical Rods | Tubular aluminum with rod guides |
| Strikes | Top 534 and 537 Bottom |
| Handing | Non-Handed |
| Fasteners | Machine screws furnished standard. Sex nuts and bolts (SNB) are required for use on wood doors. Order SNB separately |
| Dogging | Hex key dogging standard on panic rated rim device. |
| Dogging Options | Cylinder dogging. Less dogging for Rim panic device is also available |
| Finish | 605, 630, 689 and 690 |
| UL Listed | For Panic hardware |

PART NAMES 5000 SERIES



MODEL 58L SERIES ESCUTCHEON LEVERS

FEATURES:

1. Non-handed and easy to install
2. Available in four finishes: US3 (605), US20A (690), US28 (689) and US32D (630)
3. Trim has two through bolts that connect to the device chassis providing increased durability and security
4. These trims are anti-vandalism type that prevents the lock from damage when the lever is locked.
5. These trims have four operational options as per the table below.

Escutcheon plate is made of steel or stainless steel. Lever handle is made of zinc alloy.

Trims will accept cylinders from other manufactures.





Cylinders are not furnished standard. When ordering please specify

RC - Regular cylinder

IC - Interchangeable Core

NC - No cylinder

Models and Functions:

| Operation Options | Key Locks and Unlocks Lever | Lever Always Active (no Cylinder) | Key Retracts Latchbolt (Rigid Lever) | Pull When Device Dogged (Rigid Lever) |
|---|---|---|---|---|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Storeroom | Dummy* |
| Trim Designation | Cylinder Escutcheon Lever | Blank Escutcheon Lever | Night Latch Escutcheon Lever | Dummy Escutcheon Lever |
| Model number and uses | For 5510 Series Rim and 5530 Series Surface Vertical Rod | | | |
| | 58L01A | 58L01B | 58L01C | 58L01D |
| | | | | |
| Escutcheon Plate Size | 8-1/16" x 2-5/8" x 29/32" (205mm x 67mm x 23mm) | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

The warranty on the exit and the trim will not be honoured if an economy trim is used with a Grade 1 Exit Device.

OPTIONAL LEVER DESIGNS

#01 (STANDARD)



#02



#05



#17



MODEL 56P (WIDE) AND 54P (NARROW) SERIES PULL PLATES

| Trim Designation | Cylinder Pull Plate (with cylinder) | Dummy Pull Plate (without cylinder) | Flat Plate (without cylinder and grip) |
|--|--|--|--|
| Function | Night Latch | Dummy | Decorative |
| Operation | Key Retracts Latchbolt | Pull When Dogged Not for use on fire rated device | Does not operate |
| Model Number for wide stile Exit Devices | For 5510 Series Rim and 5530 Series SVR Devices 56P3A 56P3B 56P3D | | |
| Plate Size | 11-13/16" x 3" x 3/32" (300mm x 76mm x 2mm) | | |
| Model Number for narrow stile Exit Devices | For 5610 Series Rim and 5630Series SVR Devices 54P3A 54P3B 54P3D | | |
| Plate Size | 11-13/16" x 1-25/32" x 3/32" (300mm x 45mm x 2mm) | | |
| ANSI Function | 3 | 1 | 10 |
| Cylinder Type | Rim | Not Required | Not Required |

56P3A



54P3A







Model 57P SERIES PULL PLATES (FLAT TOP PLATE)

FEATURES:

1. Non-handed, easy to install
2. Most popular 8 architectural finishes to choose from: US3 (605), US4 (606), US10 (612), US10B (613), US26 (625), US26D (626), US28 (628), and US32D (630).
3. Trim has through-bolts to securely fasten to device chassis

MODELS AND FUNCTIONS:

| Operation Options | Key Locks and Unlocks Thumbpiece | Thumbpiece Always Ad (no Cylinder) | Key Retracts Latchbolt | Pull When Device Dogged |
|---|---|---|---|---|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Night Latch | Dummy* |
| Trim Designation | Cylinder Pull Plate with Thumbpiece | Blank Pull Plate with Thumbpiece | Cylinder Pull Plate | Dummy Pull Plate |
| Model number and uses | | | | |
| | For Rim and Surface Vertical Rod only | | | |
| | 57P-5A | 57P-5B | 57P-5C | 57P-5D |
| | | | | |
| Escutcheon Plate Size | 14-11/16" x 3" x 3/32" (373mm x 76mm x 2mm) With Thumbpiece | | | |
| | 14 x 3" x 3/32" (355mm x 76mm x 2mm) Pullplate | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |
| Cylinder Type | Mortise | Not required | Rim | Not required |

EXIT DEVICES

5000 Series

Economy

MODEL 52R SERIES RAISED LIP STYLE PULL PLATES

| | | | |
|---|--|--|----------------------|
| Trim Designation | Cylinder Pull Plate | Blank Plate | Flat Plate (No Lips) |
| Function | Night Latch | Dummy | Decorative |
| Operation | Key Retracts Latchbolt | Pull When Dogged Not for use on fire rated device | Does not operate |
| Model Number for wide stile Exit Devices | For 5510 Series Rim and 5530 Series SVR Devices Only | | |
| | 52R2A | 52R2B | 52R2D |
| Plate Size | 7-11/16" x 3" x 1/8" (196mm x 76mm x 3mm) | | |

52R2A



52R2B







- Trims will accept cylinders from other manufactures.
- Cylinders are not furnished standard. When ordering please specify
 - RC - Regular cylinder
 - IC - Interchangeable Core
 - NC - No cylinder
- These face plates are made of steel or stainless steel.
- 52R and 56P Series trims retrofit 1-3/4" steel doors prepared for bored locks
- 54P and 56P Series trims come complete with mounting bolts. 52R Series trim comes with sex nuts and bolts (SNB)
- Available in four finishes: US3 (605), US20A (690), US28 (689) and US32D (630).
- To order:
 - Specify Model 52R2A
 - Cylinder RC
 - Finish 630

52R2A-RC-630

MODEL 53L SERIES LEVERS WITH ROUND ROSES**FEATURES:**

1. Non-handed and easy to install
2. Lever handle allows convenient one hand operation
3. Available in US32D (630)
4. Trim has two through bolts that connect to the device chassis providing increased durability and security
5. Lever is freewheeling (clutch). The lever will rotate when locked to prevent excessive force being applied. This reduces the chances of the lever being damaged.
6. These trims have four operational options as per the table below.

Models and Functions:

| Operation Options | Key Locks and Unlocks Lever | Lever Always Active (no Cylinder) | Key Retracts Latchbolt (Rigid Lever) | Pull When Device Dogged (Rigid Lever) |
|---|---|---|---|---|
| (Dummy trim is not recommended for fire rated devices)* |  |  |  |  |
| Function | Classroom | Passage | Storeroom | Dummy* |
| Trim Designation | Cylinder round rose lever | No cylinder round rose lever | Cylinder round rose lever | No cylinder round rose lever |
| Model number and uses | For Economy Rim and Surface Vertical Rod | | | |
| | 53L01A | 53L01B | 53L01C | 53L01D |
| | | | | |
| Dimensions | Rose Diametre 3-1/8" (78mm) x Lever 4-3/4" (121mm) x Projection 3" (76mm) | | | |
| | | | | |
| ANSI Function Number | 8 | 14 | 3 | 2 |

The warranty on the exit and the trim will not be honoured if an economy trim is used with a Grade 1 Exit Device.

Rim Strike



1/8 Shim Plate
For 532

531

1 3/16"
(30mm)



3 1/4"
(83mm)

1/2" (12mm)
Projection

532

1 3/16"
(30mm)



3 1/4"
(83mm)

5/8" (16mm)
Projection

533

Vertical Rod Strike

1 7/8"
(48mm)



5/8" (16mm)
Projection

1 5/8" (41mm)

534 TOP STRIKE

1 3/16"
(30mm)

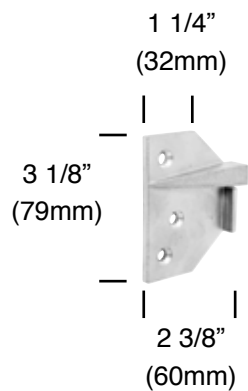


1/8" (3mm)
Projection

1 5/8" (41mm)

537 BOTTOM STRIKE

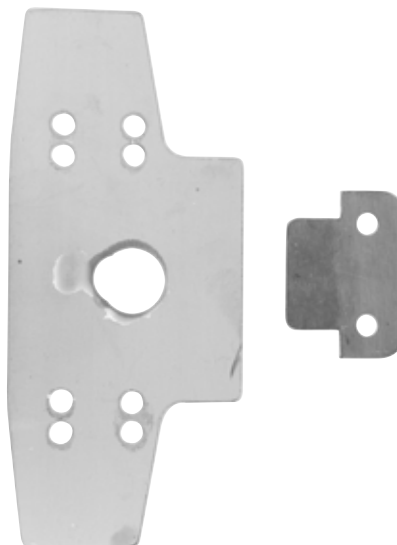
Double Door Strike (Sold Separately)



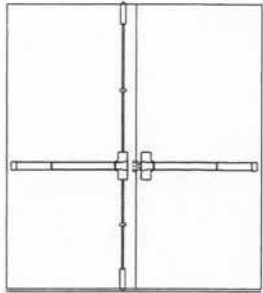
710

5000 SERIES SHIM KITS

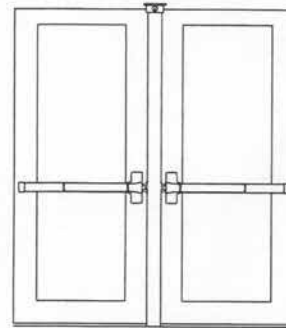
1/8 thick shim plates for use on door with glass bead. Foot print matches 5000 series. Devices as specified (5500 or 5600)



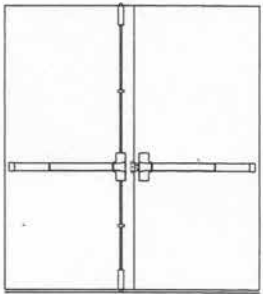
5000 SERIES DOUBLE DOOR APPLICATIONS



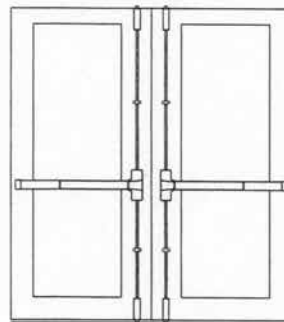
One Rim Device is the popular choice for one outwardly swinging door use. in this application any device may be used.



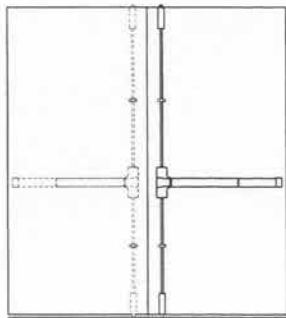
Two Rim Devices with mullion - same direction.



One Rim Device and one Surface Vertical Rod Device combination - same direction.



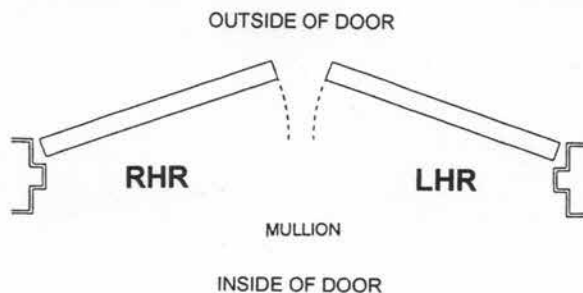
Two Surface Vertical Rod Devices - same direction (do not use with overlapping astragal).

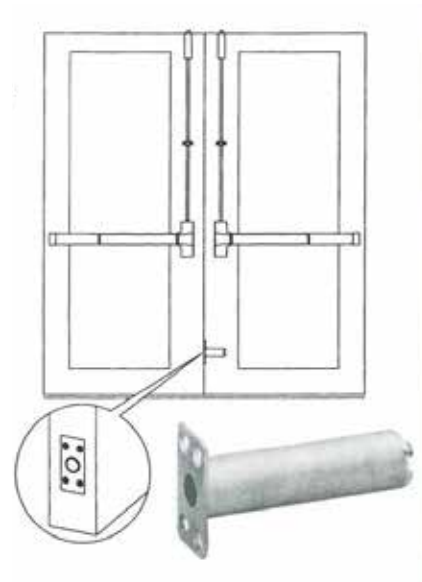


Two Vertical Rod Devices - double egress.

Door Handling

Use this diagram to determine the hand of door.



**5530F SERIES LBR
FIRE LATCH BOLT (FL001)**

A Fire Latch Bolt is used with a pair of UL listed fire rated Less Bottom Rod (LBR) exit devices. The Fire Latch Bolt is a spring loaded stainless steel bolt that installs in the lower door edge to replace bottom vertical rods of two Surface Vertical Rod (SVR) exit devices on double doors. The UL listed fire latch bolt is a temperature actuated bolt that is designed to release from one door leaf and engage the other door. Thus, connecting the opposite door leaf and keeping the doors in alignment and closed during a fire.

SPECIFICATIONS

UL listed, furnished with pairs of Surface Vertical Rod (SVR) devices less bottom rod (LBR). Fire latch bolt is not sold separately.

| | |
|----------------|-------------------------------|
| Faceplate | 1-25/32" (45mm) x 1" (25.4mm) |
| Bolt Diameter | 27/32" (21.6mm) |
| Length of bolt | 3-5/32" (80mm) |
| Material | Stainless Steel |

5000 DOGGING OPTIONS**LESS DOGGING (LD)**

Less Dogging is available on all 5000 Series Panic Exit Devices when users want to remove the standard dogging feature.

**CYLINDER DOGGING (CD)**

Cylinder Dogging is available on all 5000 Series Panic Exit Devices to replace standard hex key dogging. Cylinder dogging requires a standard 1-1/4" (32mm) mortise cylinder with a straight cam. This option can be ordered with the device when specified.

Note: Cylinder Dogging Kit (CDK) can be ordered for field conversion. This option cannot be used on fire exit hardware.

Cylinder Options

Cylinders are not supplied when ordering a device or a trim. Please order separately. The pages detailing trim designs and functions advises cylinder type required.

Mortise Cylinder

STANDARD TYPE

526



INTERCHANGEABLE CORE (SFIC)

208



SMALL FORMAT INTERCHANGEABLE CORE (SFIC)

LH-7 PIN IC CORE



Rim Cylinder

STANDARD TYPE

426



INTERCHANGEABLE CORE (SFIC)

308



LARGE FORMAT INTERCHANGEABLE CORE (LFIC)

LH-IC CORE LARGE FORMAT



Note: Standard cylinder is 1-1/4" long. SFIC cylinders are 1-3/8" long LFIC Cylinders are 1-1/2" long. Please specify cam required if other than straight.



LAWRENCE[®]
HARDWARE INC.

[LOCKSETS 5000 SERIES



Section 4 Locksets

| | |
|--|-----------|
| Section 4A 5000 Series (Grade 1 Cylindrical) | 156 - 161 |
| Section 4B 5300 Series (Grade 2 Cylindrical) | 164 - 169 |
| Section 4C 8700 Series (Grade 1 Mortise) | 172 - 182 |
| Section 4D 4700 Series (Small Case Mortise Lock) | 184 - 185 |
| Section 4E 3000 Series (Tubular) | 188 - 192 |
| Section 4F 500 Series (Deadbolts) | 194 - 195 |
| Section 4G Cylinders and Keying | 198 - 199 |

5000 Series Cylindrical Grade 1 Extra Heavy Duty Levers



Designed for extra heavy duty commercial, industrial and institutional applications
No exposed mounting screws
Non-handed
Through Bolt Mounting 2-3/4" centre to centre reduces chassis rotation
Conventional cylinder or SFIC (Small Format Interchangeable Core)
SFIC cylinder sold separately

FEATURES

Quality cast and machined stainless steel hubs mounted with heavy duty return springs tested to over one million cycles without noticeable lever sag
Heavy rose liner material provides attack resistance
Heat treated heavy gauge cold rolled steel spindles withstand 1000 inch pounds of torque
The threaded outside rose assembly is adjustable for door thickness
Free-wheeling clutch style lever standard

CERTIFICATIONS

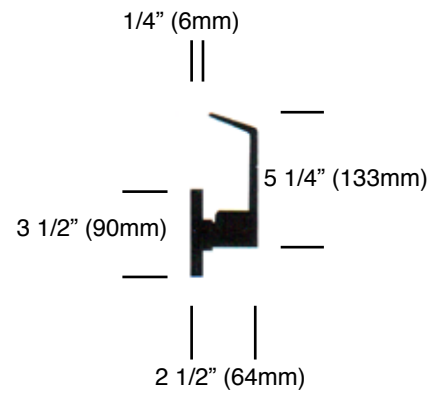
ANSI/BMHA certified A156.2 Series 4000 Grade 1
ADA Compliant A117.10
cUL/UL Listed for all functions up to 3 hours

SPECIFICATIONS

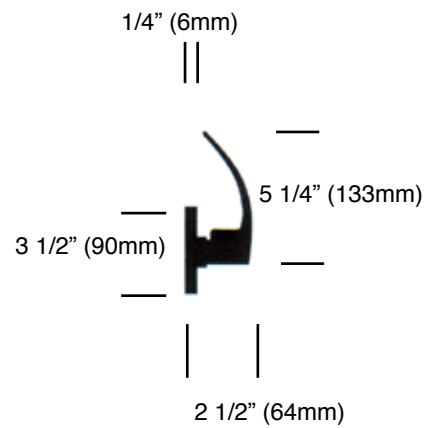
| | |
|-----------|---|
| For Doors | 1-3/8" to 1-7/8" (35mm to 48mm) |
| Backset | 2-3/4" (70mm) standard 2-3/8" (60mm) available |
| Front | Stainless Steel or Brass, 2-1/4" x 1-1/8" (57mm x 29mm) |
| Strike | ANSI (4-7/8" x 1-1/4") strike standard |
| Roses | 3-1/2" (90mm) Diameter Stainless steel or brass base metal |
| Handing | Non-handed |
| Latchbolt | Stainless steel 17/32" (13.5mm) throw standard. 3/4" (19mm) throw available |
| Cylinder | Solid brass 6-pin cylinder Schlage C keyway with two keys per lock standard. |
| IC Core | Solid brass 6 or 7-pin core sold separately |
| keying | Keyed Different (KD) standard. Available Masterkeyed (MK), Keyed Alike (KA) and Construction Masterkeyed (CMK) see Keys and Keying section for additional options |
| Finishes | US26D (626) for levers and US32D (630) knobs. Other finishes available by special order |

Lever Designs

L LEVER



R LEVER



5000 Series Cylindrical Grade 1 Extra Heavy Duty Knobs



Designed for extra heavy duty commercial, industrial and institutional applications

No exposed mounting screws

Non-handed

Conventional cylinder or SFIC (Small Format Interchangeable Core)

SFIC cylinder sold separately

FEATURES

Knobs include steel reinforcement

Heat treated heavy gauge cold rolled steel spindles add strength and security

Internal steel mechanism is corrosion treated

The threaded rose assembly is adjustable for door thickness

CERTIFICATIONS

ANSI/BMHA certified A156.2 Series 4000 Grade 1

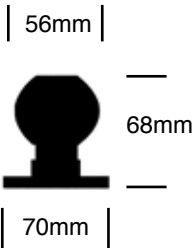
cUL/UL Listed for all functions up to 3 hours

SPECIFICATIONS

| | |
|-----------|---|
| For Doors | 1-3/8" to 2" (35mm to 52mm) |
| Backset | 2-3/4" (70mm) standard 2-3/8" (60mm) available |
| Front | Stainless Steel or Brass, 2-1/4" x 1-1/8" (57mm x 29mm) |
| Strike | ANSI (4-7/8" x 1-1/4") strike standard |
| Roses | 2-3/4" (70mm) Diameter Stainless steel or brass base metal |
| Handing | Non-handed |
| Latchbolt | Stainless steel 17/32" (13.5mm) throw standard. 3/4" (19mm) throw available |
| Cylinder | Solid brass 6-pin cylinder Schlage C keyway with two keys per lock standard. |
| IC Core | Solid brass 6 or 7-pin core sold separately |
| keying | Keyed Different (KD) standard. Available Masterkeyed (MK), Keyed Alike (KA) and Construction Masterkeyed (CMK) see Keys and Keying section for additional options |
| Finishes | US32D (630) knobs. Other finishes available by special order |

| | | | |
|----------------------|-------------|---------|-------------|
| LAWRENCEHARDWARE.COM | 5000 Series | Grade 1 | Cylindrical |
|----------------------|-------------|---------|-------------|

Knob Design
0/B



5000 Series Standard Functions

| NON-KEYED | FUNCTION | ANSI NUMBER |
|-----------|--------------|-------------|
| LH5001 | Passage | F75 |
| LH5022 | Privacy | F76 |
| LH5000 | Single Dummy | --- |

| KEYED | | |
|--------|--|------|
| LH5003 | Office | F82 |
| LH5004 | Entrance | F109 |
| LH5005 | Classroom | F84 |
| LH5007 | Storeroom | F86 |
| LH5025 | Communicating (double classroom) no clutch | F80 |
| LH5027 | Institutional (double storeroom) no clutch | F87 |

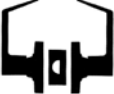








ELECTRICAL OPTIONS

| | | |
|----------|-------------------------------------|-----|
| LH5007EL | Electrically Locked (Fail Safe) | --- |
| LH5007EU | Electrically Unlocked (Fail Secure) | --- |

REX - Request to Exit

Note: See electrical section for specifications

5000 Series Standard Lock Functions

| Illustration | Non-Keyed | Function | ANSI Number | Description |
|---|-----------|-------------------------------------|-------------|--|
|  | LH5001 | Passage | F75 | Latchbolt retracted by knob/lever on either side |
|  | LH5022 | Privacy | F76 | Pushbutton locks outside knob/lever Turning inside knob/lever or emergency turn unlocks outside knob/lever Inside knob/lever always active |
|  | LH5000 | Single Dummy | — | Single dummy trim for one side of door Used for door pull or as matching inactive trim |
| Illustration | Keyed | Function | ANSI Number | Description |
|  | LH5003 | Office | F82 | Push button locks outside knob/lever until unlocked by key or by turning inside knob/lever |
|  | LH5004 | Entrance | F109 | Turn/push button locking: pushing/turning button locks outside knob/lever requiring key until button is manually unlocked Push button locking: pushing button locks outside lever until unlocked by key or by turning inside knob/lever |
|  | LH5005 | Classroom | F84 | Outside knob/lever locked and unlocked by key Inside knob/lever always unlocked |
|  | LH5007 | Storeroom | F86 | Outside knob/lever is fixed Entrance by key only Inside knob/lever always unlocked |
|  | LH5025 | Communicating (Double classroom) | F80 | Latchbolt retracted by knob/lever on either side unless locked Key locks or unlocks its own knob/lever |
|  | LH5027 | Institutional (Double Storeroom) | F87 | Both knobs/levers always locked Latchbolt retracted by key from either side |



LAWRENCE®
HARDWARE INC.

[LOCKSETS 5300 SERIES



5300 Series Cylindrical Grade 2 Standard Duty Commercial Levers



Designed for medium to high traffic commercial applications.

No exposed mounting screws

Non-handed

Through Bolt Mounting posts 2-5/8" centre to centre provided, to prevent chassis rotation

FEATURES

Quality heavy duty return springs to reduce lever sag

Heavy rose liner material provides attack resistance

Heat treated heavy gauge steel spindles

The rose assembly is adjustable for door thickness

Specify clutching or non-clutching when ordering.

CERTIFICATIONS

ANSI/BMHA certified A156.2 Series 4000 Grade 2

ADA Compliant A117.10

cUL/UL Listed for all functions up to 3 hours

SPECIFICATIONS

For Doors 1-3/8" to 1-3/4" (35mm to 44mm)

Backset 2-3/4" (70mm) standard 2-3/8" (60mm) available

Front Stainless Steel or Brass, 2-1/4" x 1-1/8" (57mm x 29mm)

Strike ANSI (4-7/8" x 1-1/4") strike standard, Wood Door strike (T-Strike) available

Roses 3-1/4" (90mm) Diameter Stainless steel or brass

Handing Non-handed

Latchbolt Stainless steel 1/2" (12.5mm) throw standard

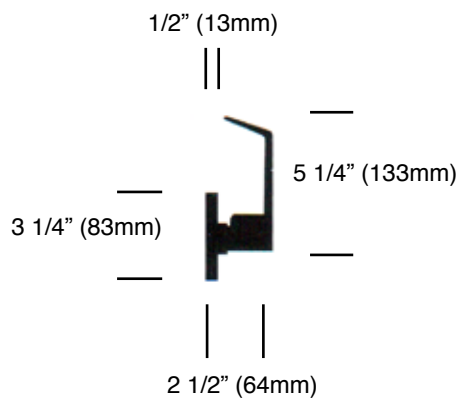
Cylinder Solid brass 6-pin cylinder Schlage C keyway with two keys per lock standard. Weiser keyway available by order keying Keyed Different (KD) standard. Available Masterkeyed (MK), Keyed Alike (KA) and Construction Master keyed (CMK) see Keys and Keying section for additional options

Finishes US26D (626), US10B (613), US3 (605) for levers. Other finishes available by special order

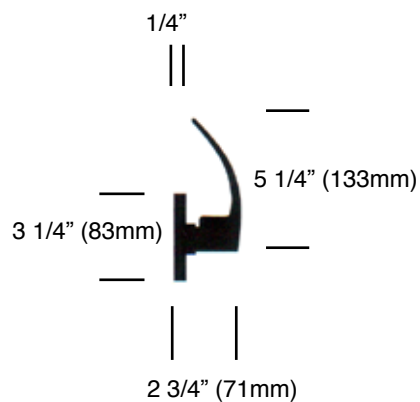
Lever Designs



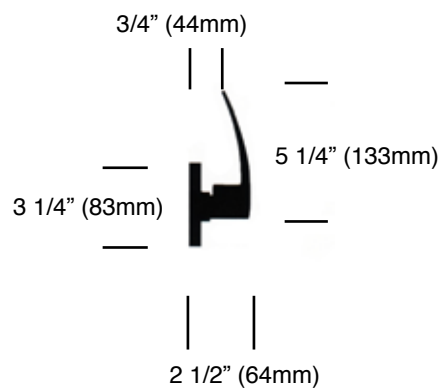
L LEVER



R LEVER



G LEVER



5300 Series Cylindrical Grade 2 Standard Duty Commercial Knobs



Designed for medium to high traffic commercial applications. Interior office doors, banks, retail spaces and hotel guest areas
No exposed mounting screws
Non-handed

FEATURES

Heavy gauge cold rolled steel spindles
The rose assembly is adjustable for door thickness

CERTIFICATIONS

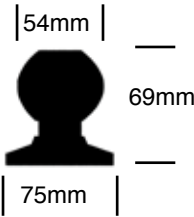
ANSI/BMHA certified A156.2 Series 4000 Grade 2
cUL/UL Listed for all functions up to 3 hours

SPECIFICATIONS

| | |
|-----------|---|
| For Doors | 1-3/8" to 1-3/4" (35mm to 44mm) |
| Backset | 2-3/4" (70mm) standard 2-3/8" (60mm) available |
| Front | Stainless Steel or Brass, 2-1/4" x 1-1/8" (57mm x 29mm) |
| Strike | ANSI (4-7/8" x 1-1/4") strike standard, Wood Door strike (T-Strike) available |
| Roses | 2-3/4" (70mm) Stainless steel or brass |
| Handing | Non-handed |
| Latchbolt | Stainless steel 1/2" (12.5mm) throw standard |
| Cylinder | Solid brass 6-pin cylinder Schlage C keyway with two keys per lock standard. Weiser keyway available by order keying Keyed Different (KD) standard. Available Masterkeyed (MK), Keyed Alike (KA) and Construction Master keyed (CMK) see Keys and Keying section for additional options |
| Finishes | US32D (630) for knobs. Other finishes available by special order |

| | | | |
|----------------------|-------------|---------|-------------|
| LAWRENCEHARDWARE.COM | 5300 Series | Grade 2 | Cylindrical |
|----------------------|-------------|---------|-------------|

Knob Design
0/B











5300 Series Standard Functions

| NON-KEYED | FUNCTION | ANSI NUMBER |
|--------------|--|-------------|
| LH5301 | Passage | F75 |
| LH5322 | Privacy | F76 |
| LH5300 | Single Dummy | --- |
| LH5328 | Communicating Latch (Exit) | --- |
| KEYED | | |
| LH5303* | Office | F82 |
| LH5304 | Entrance | F109 |
| LH5305 | Classroom | F84 |
| LH5307 | Storeroom | F86 |
| LH5325 | Communicating (double classroom) no clutch | F80 |
| LH5327 | Institutional (double storeroom) no clutch | F87 |

Note:* extended lead time

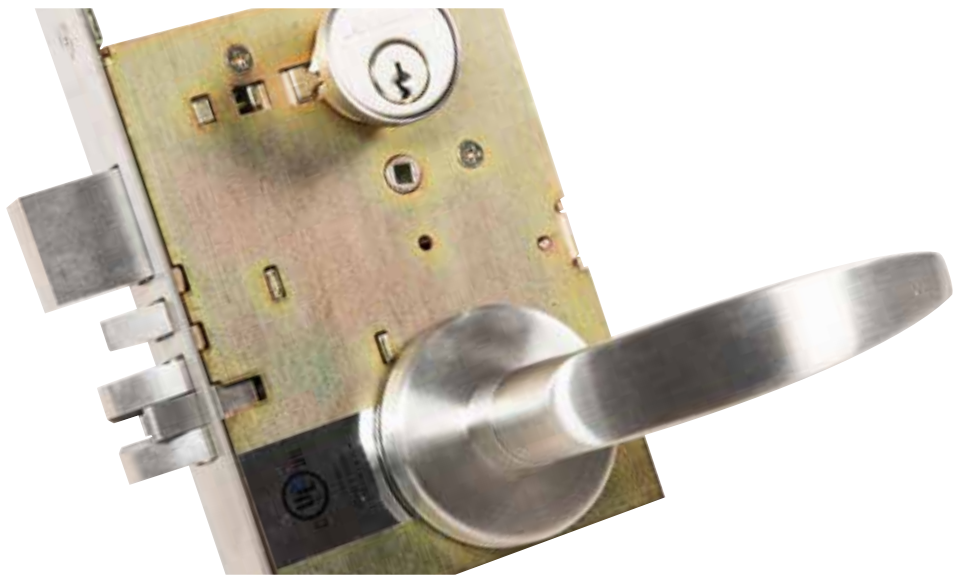
5300 Series Standard Lock Functions

| Illustration | Non-Keyed | Function | ANSI Number | Description |
|---|-----------|----------------------------------|-------------|--|
|  | LH5301 | Passage | F75 | Latchbolt retracted by knob/lever on either side |
|  | LH5322 | Privacy | F76 | Pushbutton locks outside knob/lever Turning inside knob/lever or emergency turn unlocks outside knob/lever Inside knob/lever always active |
|  | LH5300 | Single Dummy | — | Single dummy trim for one side of door Used for door pull or as matching inactive trim |
|  | LH5328 | Communicating Latch (Exit) | — | For twin communicating or exit doors where one side operation is required Blank rose outside Inside lever operation |
| Illustration | Keyed | Function | ANSI Number | Description |
|  | LH5303 | Office | F82 | Push button locks outside knob/lever until unlocked by key or by turning inside knob/lever |
|  | LH5304 | Entrance | F109 | Turn/push button locking: pushing/turning button locks outside knob/lever requiring key until button is manually unlocked Push button locking: pushing button locks outside lever until unlocked by key or by turning inside knob/lever |
|  | LH5305 | Classroom | F84 | Outside knob/lever locked and unlocked by key Inside knob/lever always unlocked |
|  | LH5307 | Storeroom | F86 | Outside knob/lever is fixed Entrance by key only Inside knob/lever always unlocked |
|  | LH5325 | Communicating (Double classroom) | F80 | Latchbolt retracted by knob/lever on either side unless locked Key locks or unlocks its own knob/lever |
|  | LH5327 | Institutional (Double Storeroom) | F87 | Both knobs/levers always locked Latchbolt retracted by key from either side |

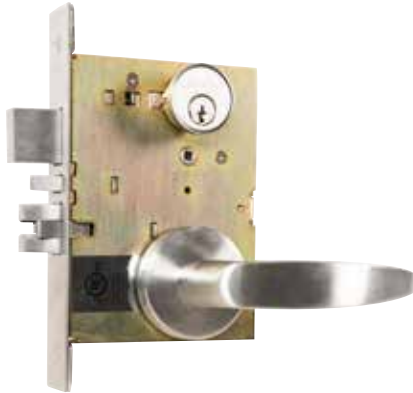


LAWRENCE[®]
HARDWARE INC.

[LOCKSETS 8700 SERIES



8700 Series Mortise Lockset Grade 1 Extra Heavy Duty



Consistent dependable operation stands up to rigorous use and abuse
Field reversible
Exceeds Standards for A156.13
Concealed thru bolts
Standard and designer trims available
Ideal for high frequency doors in public buildings, commercial, hospitality, healthcare and educational applications

FEATURES

- Latchbolt and deadbolt are fabricated from stainless steel
- Internal parts are fabricated from high strength steel alloy
- Mortise lock case and internal components are treated to ensure corrosion resistance
- Lockcase can be reversed without disassembling the lock body
- High strength steel alloy cylinder retainer
- Two piece anti friction latchbolt reduces wear and tear
- Hub blocking plate guards against spindle manipulation

CERTIFICATIONS

- ANSI/BHMA A156.13 Series 1000 Grade 1 Operational and Security
- ADA Compliant ANSI A117.1 Accessibility Code
- cUL/UL Listed up to 3 hours
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated

| | | | |
|----------------------|-------------|---------|---------|
| LAWRENCEHARDWARE.COM | 8700 Series | Grade 1 | Mortise |
|----------------------|-------------|---------|---------|

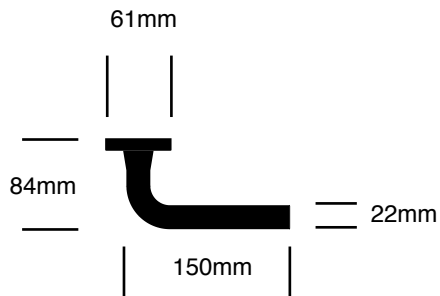
SPECIFICATIONS

| | |
|-------------------|--|
| Case size | 4-5/16" x 6" x 1" (110mm x 152mm x 25mm) |
| Armour Front | 1-1/4" x 8" (32mm x 203mm) |
| Backset | 2-3/4" (70mm) only |
| Preparation | Conforms to ANSI A115.1 |
| Door Range | 1-3/4" (44mm). Specify if other door thickness required |
| Bevelled Doors | Self adjusting tabs on case |
| Deadbolt | 1" (25mm) throw, stainless steel |
| Latchbolt | 3/4" (19mm) throw, with anti-friction tongue, stainless steel |
| Deadlocking | Non-handed, stainless steel |
| Through Bolts | Through bolted trim aligns with mortise lock case |
| Stop works | Incorporated into thumbturn |
| Strike | 1-1/4" x 4-7/8" Curved lip, square corner. Extended lip strikes available |
| Spindles | Break-away under excessive torque. Preventing forced entry or lock damage |
| Cylinder | 6 pin cylinder standard, with two keys, "C" keyway |
| IC Core | Interchangeable Core (IC) available |
| Cam | All cylinder functions use standard butterfly style cam |
| Cylinder Collar | Compression ring and collar supplied standard |
| Fasteners | Concealed under the rose or escutcheon |
| Standard Finishes | Standard levers US32D (630), Designer levers US32D (630) and US15 (619) Other finishes available. Extended lead time required |

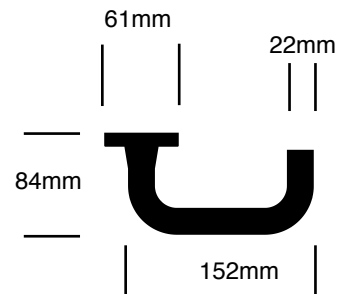
8700 Series Standard Lever Designs



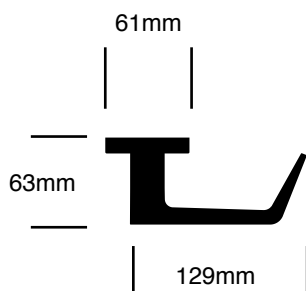
L801



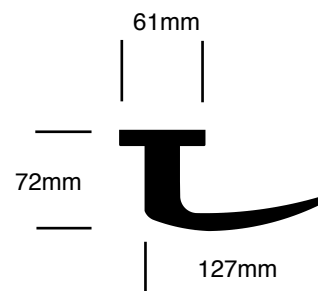
L802



L811



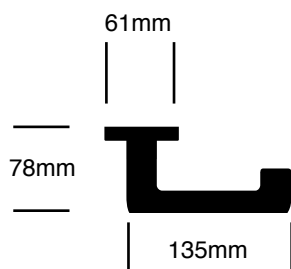
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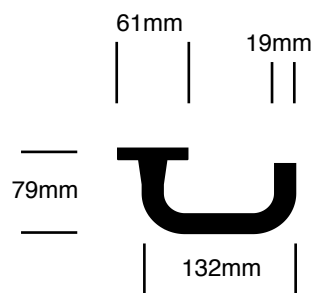
8700 Series Standard Lever Designs



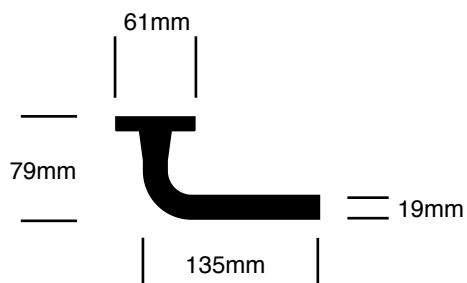
L813



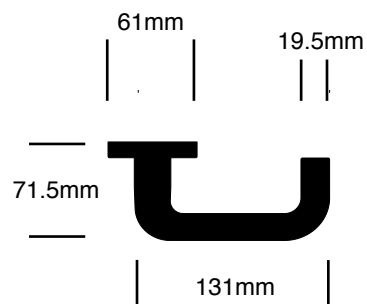
L814



L815



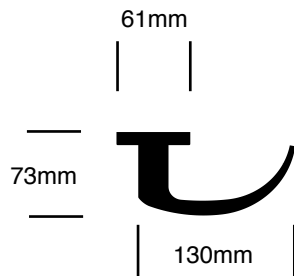
L816



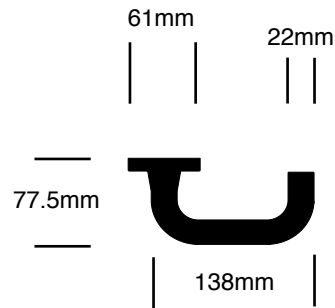
8700 Series Standard Lever Designs



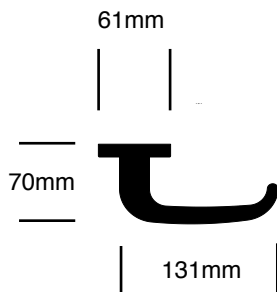
L817



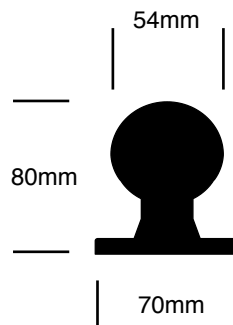
L818



L819



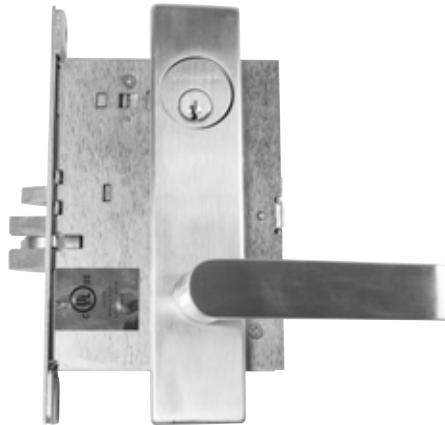
BALL KNOB



Escutcheon Plates

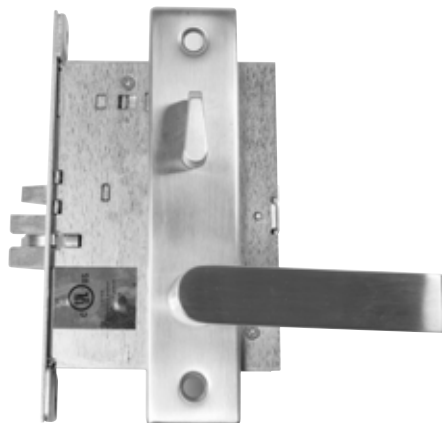
ESC1 OUTSIDE

1 3/4" (44mm) WIDE x 7 15/16" (202mm) HIGH x 7/16" (11mm) THICK



NOTE: ESCUTCHEONS AVAILABLE FOR ALL FUNCTIONS

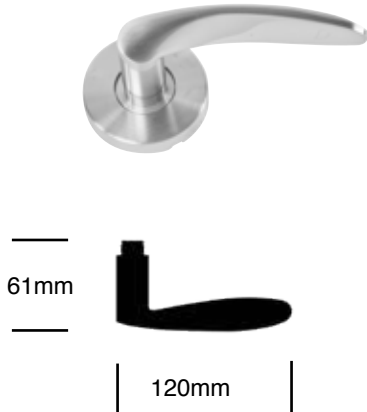
ESC1 INSIDE



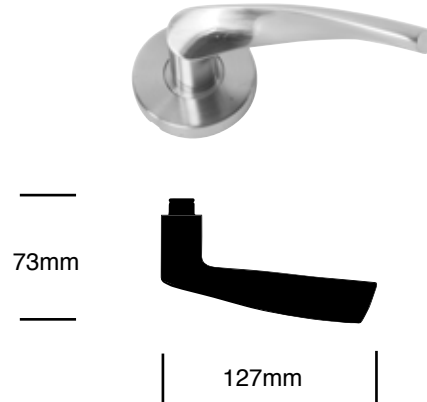
8700 Series Designer Lever Designs



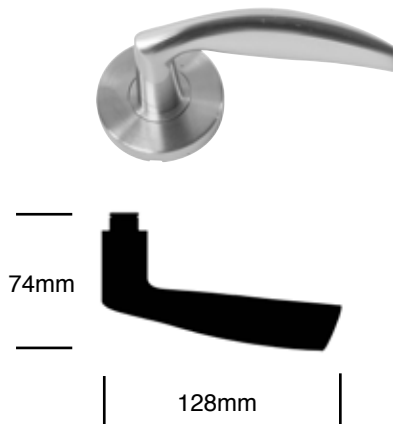
101 MATISSE*



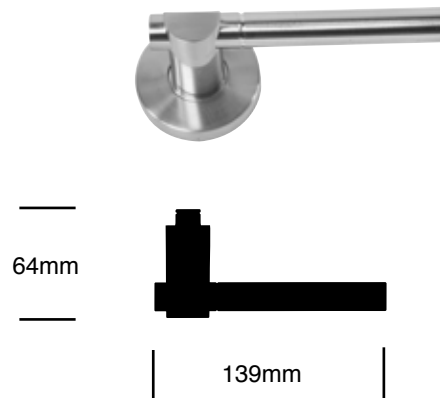
102 PICASSO*



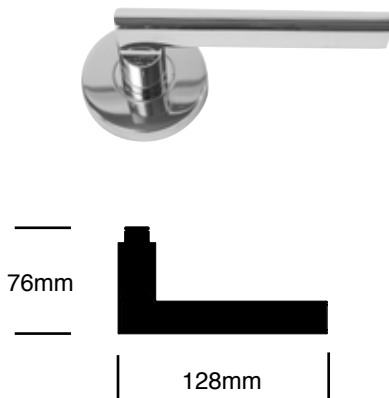
113 DALI*



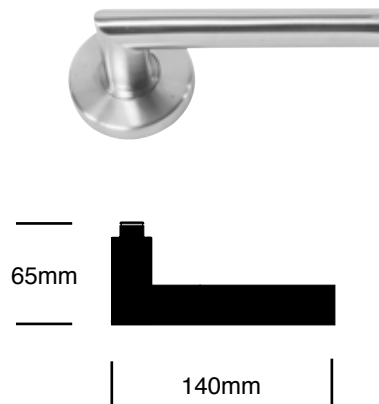
116 MONDRIAN*



119 LOGAN



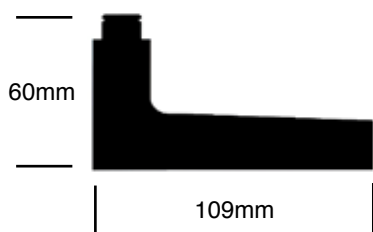
126 STELLA



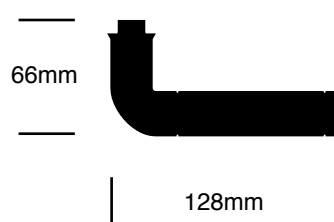
* Note: Handed lever

Note: See page 191 For Available escutcheons

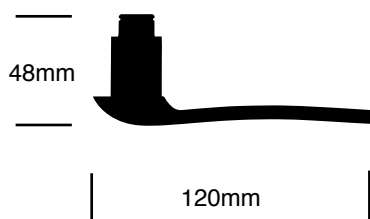
136 MUNA



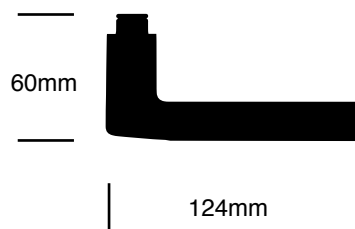
167 VANCOUVER



204 WAVE



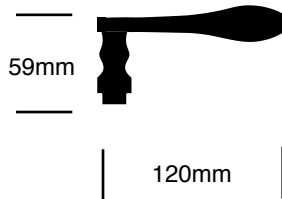
208 AQUIS*



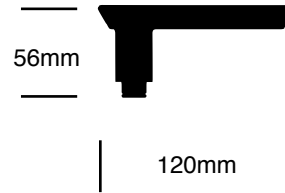
* Note: Handed lever

Note: See page 191 For Available escutcheons

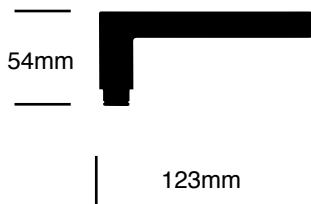
420 BELLA*



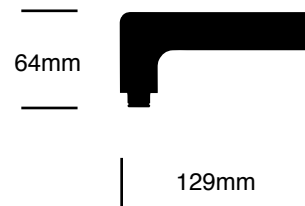
421 PIANA



422 SERRA



423 MIRO



* Note: Handed lever

Note: See page 191 For Available escutcheons

8700 Series Standard Functions

NON KEYED WITHOUT DEADBOLT

| PART NUMBER | FUNCTION | ANSI NUMBER |
|-------------|----------|-------------|
| LH8701 | Passage | F01 |
| LH8722 | Privacy | F22 |

KEYED WITHOUT DEADBOLT

| | | |
|--------|-----------|-----|
| LH8704 | Office | F04 |
| LH8705 | Classroom | F05 |
| LH8707 | Storeroom | F07 |

KEYED WITH DEADBOLT

| | | |
|--------|-----------|-----|
| LH8713 | Corridor | F13 |
| LH8714 | Storeroom | F-- |
| LH8720 | Entrance | F20 |
| LH8721 | Dormitory | F21 |

DEADBOLT FUNCTIONS

| | | |
|--------|--------------------|-----|
| LH8717 | Deadbolt with turn | F17 |
| LH8718 | Deadbolt w/o turn | F18 |

Note: Other functions available upon request

8700 SERIES OPTIONS











Lead Lined Mortise Body
Torx Plus Fasteners
Coin Turn
Handicap thumb turn
Occupied Indicator
Anti microbial coating
Tactile warning

8700 SERIES ELECTRICAL OPTIONS

Electrically locked, (Fail Safe)
Electrically unlocked, (Fail Secure)
REX - Request to Exit*
LBM - Latchbolt Monitor
Electric Latch Retraction
Note: See electrical section for specifications

*Note: Our stock EL/EU locks are with REX.

8700 Series Standard Lock Functions

| Illustration | Non-Keyed | Function | ANSI Number | Description |
|---|------------------------|-----------------------|-------------|---|
|  | LH8701 | Passage | F01 | Latchbolt retracted by knob/lever on either side |
|  | LH8722 | Privacy | F22 | Latchbolt retracted by knob/lever on either side unless outside is locked by thumbturn Operating inside knob/lever or emergency turn outside unlocks outside Inside knob/lever always active |
| Illustration | Keyed without deadbolt | Function | ANSI Number | Description |
|  | LH8704 | Office | F04 | Latchbolt retracted by knob/lever from either side unless outside is locked by key outside or by turning inside thumbturn When outside is locked, latchbolt is retracted by key outside or by knob/lever inside. Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key Auxiliary latch deadlocks latchbolt when door is locked Inside knob/lever always free |
|  | LH8705 | Classroom | F05 | Latchbolt retracted by knob/lever from either side unless outside is locked by key. Unlocked from outside by key. Auxiliary latch deadlocks latchbolt when door is locked Inside knob/lever is always free for immediate egress |
|  | LH8707 | Storeroom | F07 | Latchbolt retracted by key outside or by knob/lever inside Outside knob/lever always locked Auxiliary latch deadlocks latchbolt when door is locked Inside knob/lever is always free for immediate egress |
| Illustration | Keyed with deadbolt | Function | ANSI Number | Description |
|  | LH8713 | Corridor | F13 | Latchbolt retracted by knob/lever from either side Deadbolt thrown or retracted by key outside or inside thumbturn Throwing deadbolt locks outside knob/lever Turning inside knob/lever simultaneously retracts deadbolt and latchbolt and unlocks outside knob lever Inside knob/lever is always free for immediate egress |
|  | LH8720 | Entrance | F20 | Latchbolt retracted by knob/lever from either side unless outside is locked by 20 degree rotation of thumbturn Deadbolt thrown or retracted by 90 degree rotation of thumbturn When locked, key outside or knob/lever inside retracts deadbolt and latchbolt simultaneously Outside knob/lever remains locked until thumbturn is restored to vertical position Throwing deadbolt locks outside knob/lever Auxiliary latch deadlocks latchbolt when door is locked Inside knob/lever is always free for immediate egress |
|  | LH8721 | Dormitory | F21 | Latchbolt retracted by knob/lever from either side Deadbolt thrown or retracted by key outside or thumbturn inside |
| Illustration | Deadbolt Functions | Function | ANSI Number | Description |
|  | LH8717 | Deadbolt with Turn | F17 | Deadbolt thrown or retracted by key outside or thumbturn inside |
|  | LH8718 | Deadbolt without Turn | F18 | Deadbolt thrown or retracted by key outside |



LAWRENCE®
HARDWARE INC.

LOCKSETS 4700 SERIES



4700 Series Small Case Mortise Lock



4700 series is designed for locking where no latch is required

Ideal for washrooms and change rooms

FEATURES

- High strength steel alloy cylinder retainer
- Armoured front is adjustable for door bevel
- Steel case and all parts are corrosion resistant
- Non handed

SPECIFICATIONS

| | |
|----------|--|
| Backset | 2-3/4" (70mm) only |
| Bolt | 1" (25mm) stainless steel throw deadbolt |
| Finishes | US32D |

4700 Series Standard Functions

PART NUMBER

LH4775

LH4774

LH4777*

LH4778

LH4779

DESCRIPTION

Cylinder by Thumb turn

Double cylinder






Classroom (cylinder by one way Thumb turn)

Cylinder Lock (cylinder only)

Door Bolt (Thumb turn only)

Note* Handed item

4700 Series Standard Lock Functions

| Illustration | Deadbolt Functions | Function | Description |
|---|--------------------|----------------------------------|---|
|  | LH4775 | Cylinder with Turn | Deadbolt thrown or retracted by key outside or thumbturn inside |
|  | LH4774 | Double Cylinder | Deadbolt operated by key from either side |
|  | LH4777 | Classroom | Deadbolt thrown or retracted by key from outside Inside thumbturn cylinder retracts deadbolt but cannot project it |
|  | LH4778 | Cylinder Lock (Cylinder only) | Deadbolt thrown or retracted by key from one side No trim on opposite side |
|  | LH4779 | Door Bolt (Thumbturn only) | Deadbolt thrown or retracted by thumbturn from one side No trim on opposite side |



LAWRENCE[®]
HARDWARE INC.

[LOCKSETS 3000 SERIES



3000 Series Tubular



Tubular sets are designed for standard duty commercial and high end residential projects

- Passage Sets
- Privacy
- Single and double dummy sets
- 2-3/8" and 2-3/4" Backset
- WH listed for 20 minute doors available

FEATURES

All trims are compatible with 8700 Series Mortise locks for hybrid (mortise lock and tubular) applications

The 3000 Series fire rated latchbolt is engineered to the rigorous standards of WH for use on 20 Minute Fire labeled doors

The 3000 Series is user friendly and easy to operate

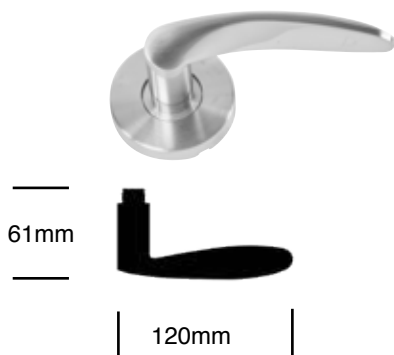
Suitable for a myriad of applications including offices, residential single family and multi-family applications

SPECIFICATIONS

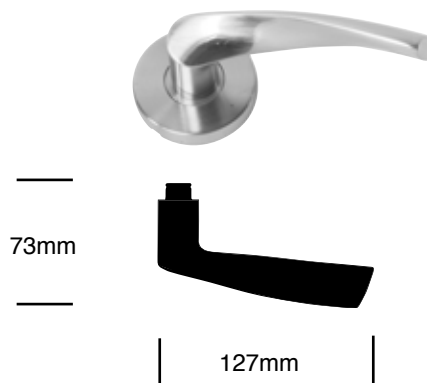
| | |
|----------------|---|
| Door Thickness | For Doors 1-3/8" to 1-3/4" thick (35mm to 45mm) |
| Backset | 2-3/8" (60mm) or 2-3/4" (70mm) standard |
| Strike | Full lip strike standard |
| Hand | None handed passage and privacy sets. Some designs are handed when used as dummies |
| Latchbolt | 1/2" throw standard |
| Finish | Standard finishes include US32D (630) and US15 (619). Other finishes available upon request. Split finishes also available. Please consult your representative or customer service for more information |
| Listing | Warnock Hersey/Intertek listed for use on Fire Doors (20 minute rated) |

3000 Series Designer Lever Designs

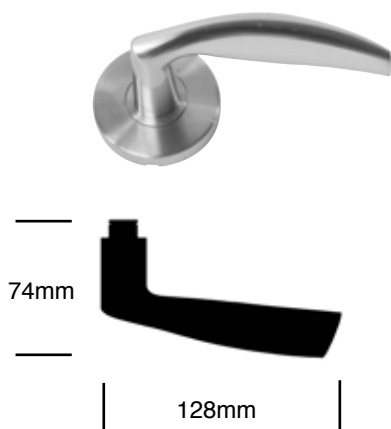
101 MATISSE*



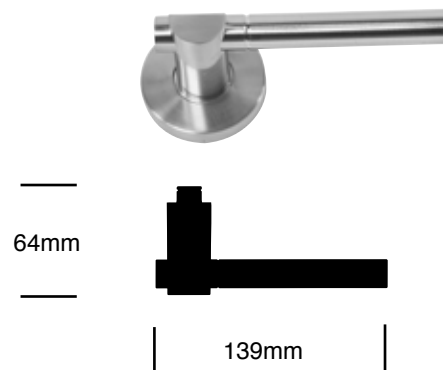
102 PICASSO*



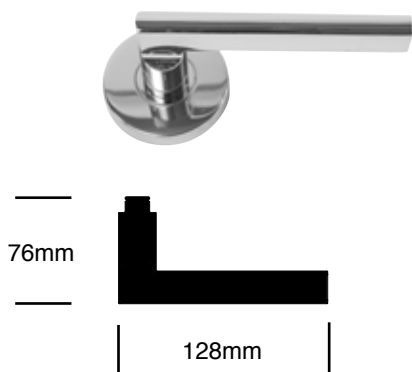
113 DALI*



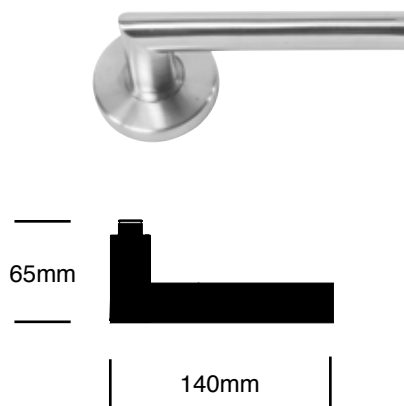
116 MONDRIAN*



119 LOGAN



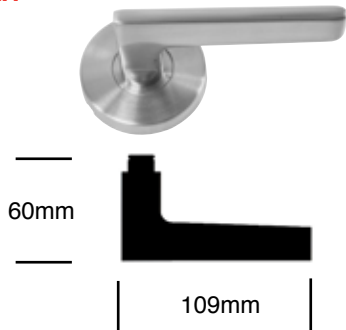
126 STELLA



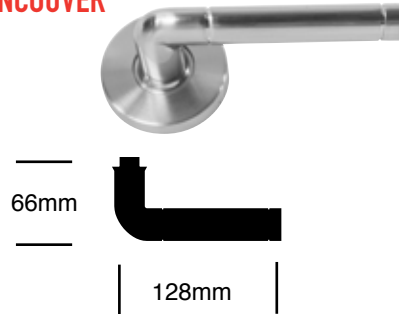
* Note: Handed lever

Note: See page 191 For Available escutcheons

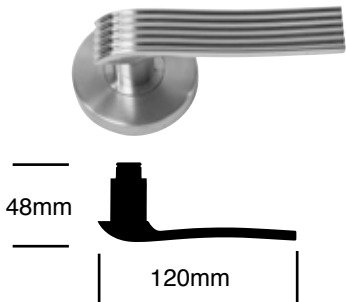
136 MUNA



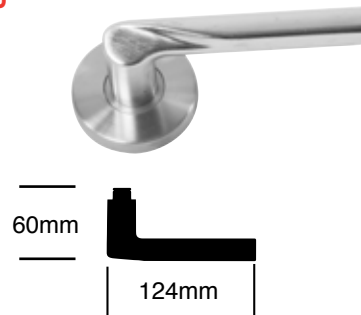
167 VANCOUVER



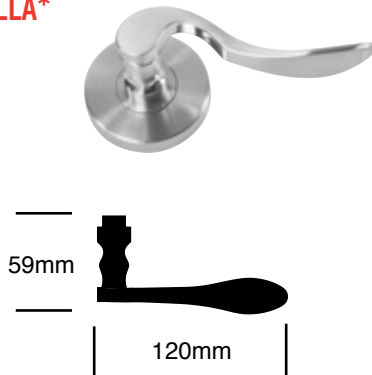
204 WAVE



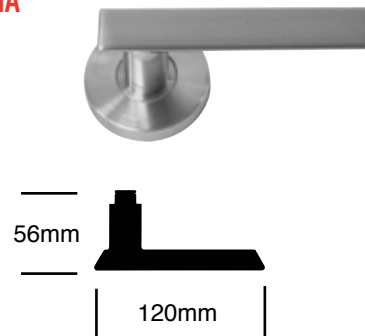
208 AQUIS*



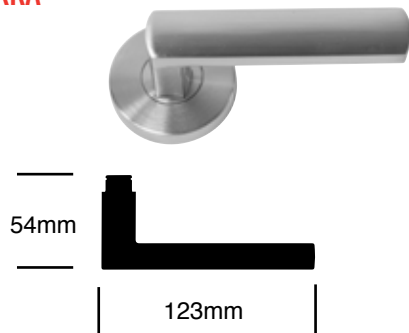
420 BELLA*



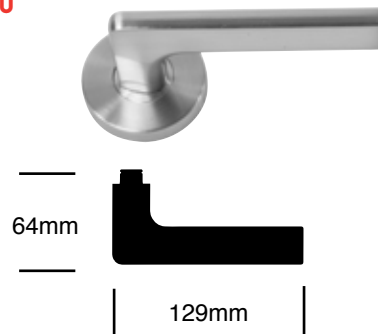
421 PIANA



422 SERRA



423 MIRO



* Note: Handed lever

Note: See page 191 For Available escutcheons

Escutcheons

LH10028 SQUARE 2-7/8" (73mm) X 11-3/4" (298mm)

SHOWN WITH 126 STELLA LEVER



LH10035 ROUND 3-1/4" (83mm) X 11" (279mm)

SHOWN WITH 102 PICASSO LEVER



* Note: Also available for 8700 series mortise





3000 Series Functions

NON KEYED

PART NUMBER FUNCTION

| | |
|--------|--------------|
| LH3001 | Passage |
| LH3022 | Privacy |
| LH3093 | Single Dummy |
| LH3094 | Double Dummy |

3000 Series Standard Lock Functions

| Illustration | Deadbolt Functions | Function | Description |
|---|--------------------|-------------------|--|
|  | LH3001 | Passage | Latchbolt retracted by lever on either side |
|  | LH3022 | Privacy | Push-button locks outside lever Turning inside lever or pushing emergency release unlocks outside lever Inside lever always active |
|  | LH3093 | Half Dummy Trim | Single dummy trim for one side of door Used for door pull as matching inactive trim |
|  | LH3094 | Double Dummy Trim | Double dummy for both sides of door Used for door pulls as matching inactive trim |

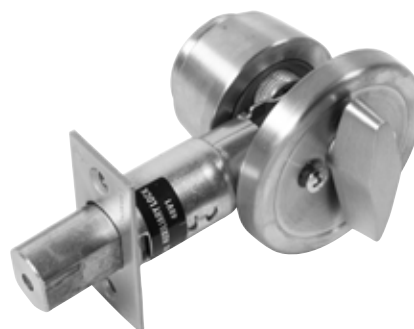


LAWRENCE®
HARDWARE INC.

LOCKSETS 500 SERIES



560 Series Deadlock

560**560N**

560 series is designed for locking where no latch is required

Ideal for suite entry, washrooms and change rooms

560 2-1/8" Bore

560N 1-1/2" Bore

FEATURES

Hardened steel roller for attack resistance

Corrosion resistance

Non handed

SPECIFICATIONS

Backset 2-3/4" (70mm) and 2-3/8" (60mm)




Bolt 1" (25mm) throw deadbolt

Finishes US32D, US3, and US10B

Certification cUL/UL listed for up 3 hours

560 Series Standard Functions

| PART NUMBER | DESCRIPTION |
|-------------|---------------------------------------|
| LH560 | Cylinder by Thumb turn |
| LH562 | Double cylinder |
| LH5689 | Thumb turn only |
| LH560IC | Cylinder by Thumb turn less SFIC core |
| LH562IC | Double cylinder less SFIC core |

| 4700 Series Standard Lock Functions | | | |
|---|--------------------|-------------------------------|---|
| Illustration | Deadbolt Functions | Function | Description |
|  | LH560 | Cylinder with Turn | Deadbolt thrown or retracted by key outside or thumbturn inside |
|  | LH562 | Double Cylinder | Deadbolt operated by key from either side |
|  | LH5689 | Door Bolt (Thumbturn only) | Deadbolt thrown or retracted by thumbturn from one side No trim on opposite side |

LAWRENCE[®]
HARDWARE INC.

[CYLINDERS KEYING INFORMATION



Cylinder Options

Cylinders are not supplied when ordering exit device or trim. Please order separately.
The pages detailing exit device trim designs and functions advise cylinder type required.

Mortise Cylinder

STANDARD TYPE

526



INTERCHANGEABLE CORE (SFIC)

208



SMALL FORMAT INTERCHANGEABLE CORE (SFIC)

LH-7 PIN IC CORE



LARGE FORMAT INTERCHANGEABLE CORE (FSIC)

LH-IC CORE LARGE FORMAT



Rim Cylinder

STANDARD TYPE

426



INTERCHANGEABLE CORE (SFIC)

308



KEY IN KNOB (KIK), KEY IN LEVER (KIL) CYLINDER

K001



Please specify tailbar and keyway

Note: Standard cylinder is 1-1/4" long. SFIC cylinders are 1-3/8" long. LFIC cylinders are 1-1/2" long. Please specify cam.

Keying information

Lawrence Hardware has a full service keying department. We offer the following services:

- MK Masterkeying
- KA Keying alike
- KD Keyed different (standard)
- CMK Construction Master Keying
- VKC Visual Key Control (for keys)
- CKC Concealed Key Control (for cylinders)

When ordering master key systems it is important to consider all of the items below. If information is missing the order may be placed on hold until the missing information is provided.

1. Job name and location

2. System is new _____ or existing _____

3. Highest level of system: 1-SKD _____, 2-MK _____, 3-GM _____, or 4-GGM _____

4. System type: Standard cylinders _____, SFIC (small format interchangeable core) _____ or LFIC (large format interchangeable core) _____

5. Cylinder _____ and Key stamping _____ if required must be specified

6. Key quantities for operating keys _____, master keys _____, control keys _____ and construction keys _____

7. If construction keying _____ is required please specify

8. Packaging: Pack keys with locks _____ or pack separately _____

9. Branded _____ or non-branded cylinders _____

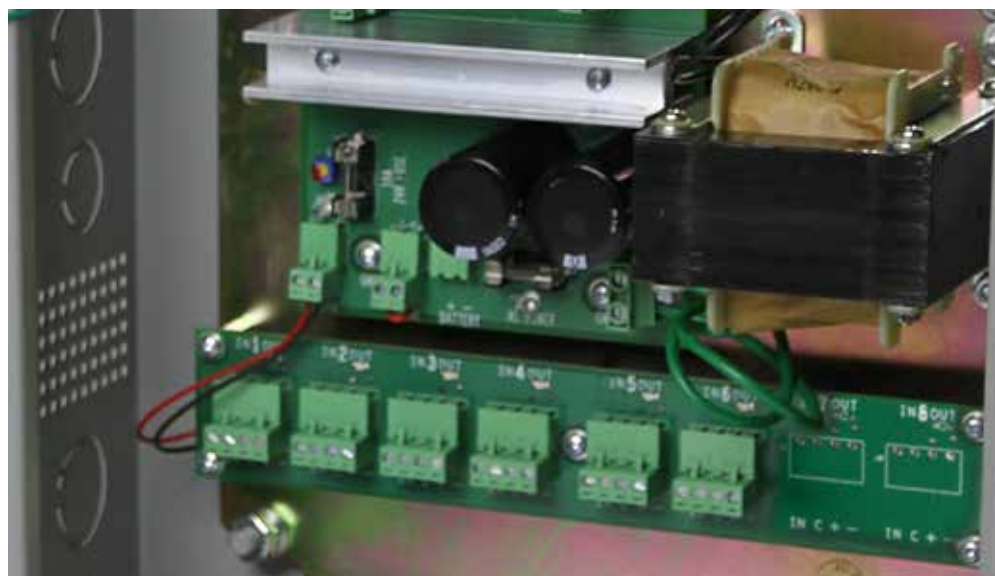
10. Branded _____ or non-branded keys _____

11. Additional Information



LAWRENCE[®]
HARDWARE INC.

ELECTRIFIED PRODUCTS



Section 5A Electrified

| | |
|---------------------------------|-----------|
| Mortise (EL/EU, ELR AND REX) | 204 - 205 |
| Device Trims | 206 |
| Electric Latch Retraction (ELR) | 207 |
| Exit Alarm | 208 |
| Delayed Egress | 209 |
| Cylindrical (EL/EU AND REX) | 210 |
| Power Supplies | 212 - 214 |
| Hinges | 215 - 216 |
| Door Loops | 217 - 218 |
| Wall Mounts | 219 - 220 |

8700 Series Electrified Mortise Locks

The electrified mortise lock allows remote keyless access and egress control for heavy use applications where security, safety and convenience are required. Common applications include security control rooms, cashier rooms, stairwell doors, telephone equipment rooms, IT departments and hospital equipment and narcotics storage areas.

Electrified mortise locks can be purchased complete with trim or the chassis may be purchased separately to retrofit with existing Lawrence Hardware Trim.

Actuating devices include card readers, wall switches, security consoles, remote release buttons, telephone access controls and many more.

FEATURES:

- Continuous duty solenoids
- Reversible handing
- Low current Draw

OPTIONS:

- Available EL Electrically Locked (Fail Safe)
- EU Electrically Unlocked (Fail Secure)
- Request to exit (RX)
- Latchbolt Monitor Switch (LBM)
- Electric Latch Retraction (see next page for more details)

Specifications:

- Operating voltage - 12 or 24 VDC please specify when ordering
- Amperage - 12V = 700mA / 24V = 350mA
- Coil resistance - 12V = 18 Ohms / 24V = 69 Ohms
- Power consumption - 8 watts



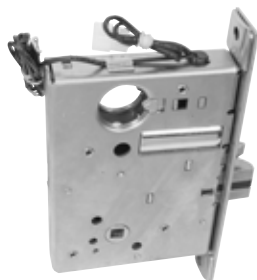
8700 Series Electrified Latch Retraction Mortise Locks

The Lawrence Hardware 8700 series mortise lock brings electric latch retraction to a standard mortise lock body

When energized, the latchbolt is completely retracted allowing a push-pull condition. This revolutionary product accomplishes what previously could only be done with electric strikes or electric latch retraction exit devices

Interface module allows for up to 350' long wire runs

This is an ideal solution for conditions requiring automatic door openers



FEATURES:

- Utilizes our patented technology
- Circuitry allows for momentary or “continuously on” (push/pull) applications
- No special lock prep required – fits standard Lawrence Hardware mortise pocket
- Available in EU (Fail Secure)
- Solenoids rated for continuous duty . . . whether you’re powering for 5 seconds or 8 hours



SPECIFICATIONS

- Amperage 350mA @ 24V
- Must be powered by a PS Series power supplies

Electrified Panic Trim

Our exit device trim is perfect for stairwell conditions and applications, where electric latch retraction of the exit device's latchbolt(s) is cost prohibitive or not required

This is especially practical in applications where fire/life safety codes require a "fail safe" condition, which is not an option with electrified latch pullback devices



FEATURES:

Continuous duty solenoids used to ensure trouble-free operation

Internally mounted solenoid means easy installation due to no special prep required

Low current draw means there is no need for a expensive power supply to provide the inrush current.

OPTIONS:

Available Fail Safe (Electrically Locked) or Fail Secure (Electrically Unlocked)

Voltage options - 12 or 24VDC

SPECIFICATIONS:

Operating Voltage - 12 or 24V must be specified when ordering

Amperage - 260mA at 12V / 160mA at 24V

Coil resistance - 12V = 49 Ohms / 24V = 159 Ohms

8000 Series Motorized Latch Retraction Exit Device

Our electric latch retraction exit device allows for remote keyless, mechanical or electronic, access control in high occupancy/high traffic conditions where exit devices are required. Common applications included hospitals, airports, schools, churches and increasingly common used in conjunction with automatic door openers

FEATURES:

- This is a very robust motorized latch retraction unit for our 8000 Series exit devices
- Comes with smart module: On board diagnostics with audible feedback for adjustment and power issues
- Push to set (PTS): 5 second electronic adjustment for post installation
- Electric dogging rated for continuous duty - auto retraction if dogged push pad is pulled from position
- Low current draw
- Field switchable to a "high torque" mode
- 6' cable with quick connect

VOLTAGE:

- Voltage range - 22 to 28 VDC
- System protection - unit will shut down when voltage exceeds 28VDC
- Average in rush current - 1A
- Average hold current - 180mA

WIRE RUN:

- 500' with 18ga wire
- 700' with 16ga wire

POWER SUPPLIES:

- Recommended - PS1, PS2 or PS5-8

OPTIONAL

- Request to exit (REX)



Alarmed Exit Devices

All 8000 Series Exit Devices can be converted into alarm devices. This feature is designed to deter, with the alarm, unauthorized use of the opening. To warn someone who might open a controlled door the push bar is printed with



EMERGENCY EXIT ONLY

PUSH TO OPEN ALARM WILL SOUND

The alarm module is operated by a 9VDC battery. Type E - Monitors push bar, latch bolt and end cap. When the push bar is depressed or the latch bolt is retracted by the outside trim, the alarm will sound. Tampering with end cap will also trip alarm.

How to order:

Use prefix "AL" on any 8000 Series.

Example:

AL8810SE - 36 - 630 (Alarmed rim exit device with Type E monitor, 36" in US32D finish)



Delayed Egress Exit Device

The Delayed Egress Exit Device is designed to provide a controlled exit in a predetermined time delay. When the exit device is armed it will delay exit to any person for 15 to 30 (specify) seconds after the push pad is depressed for 3 or more seconds.

Once the push pad is depressed for 3 or more seconds an alarm will sound that will alert appropriate people to respond to the signal and take immediate action. The alarm module also has a nuisance alarm feature in the event someone bumps or touches the push pad for less than 3 seconds.

The Delayed Egress Exit Device is furnished with a sticker in red letters which states:

**EMERGENCY EXIT ONLY
PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 15 SECONDS**

When the Delayed Egress Exit Device is in the armed state it can be by-passed by turning the cylinder clockwise. This allows authorized personnel to exit without setting off the alarm.

When the Delayed Egress Exit Device is in the armed state turning the cylinder counter clockwise will temporarily release the device without setting off the alarm and will re-arm after 10 seconds.

Device is ANSI A156.3 and ANSI A156.24

Consult local codes before specifying or supplying this solution.



5000 Series Electrified Cylindrical Locks

The electrified cylindrical lock allows remote keyless access and egress control for commercial applications where security, safety and convenience are required. Common applications include security control rooms, classrooms, meeting rooms, telephone equipment rooms and IT departments.

Actuating devices include card readers, wall switches, security consoles, remote release buttons, telephone access controls and many more.



FEATURES:

- Continuous duty solenoids
- Non Handed
- Low current Draw
- 1 year warranty

OPTIONS:

- Available EL Electrically Locked (Fail Safe)
- EU Electrically Unlocked (Fail Secure)
- Request to exit (RX)

SPECIFICATIONS:

- Operating voltage - 12 or 24 VDC please specify when ordering
- Amperage - 12V = 250mA / 24V = 150mA
- Coil resistance - 12V = 49 Ohms / 24V = 159 Ohms
- Power consumption - 3 Watts

CRU2 Power Accessory

The CRU2 now “non-polarity” sensitive is a current reduction module that is designed to work with low current DC voltage electric locking devices (cylindrical locks, mortise locks or panic trim) that are being used in a “fail safe” or “unlock cycle” condition. When energized, the CRU2 allows the device to receive full current long enough for the solenoid to actuate. Once actuated, the CRU2 limits the current the solenoid consumes allowing it to run cooler, but delivering enough current for the solenoid to remain actuated as long as is needed. The CRU2 features a small adjustment screw for flexibility in the field, allowing the installer to fine tune the current and maximize the efficiency.



FEATURES:

- Accepts up to 30 volts AC or DC input
- Current adjustment allows for “fine tuning” in the field
- Allows “continuously on” low current devices to run cooler, increasing the life of the solenoid and reducing service calls
- No more “hot levers”!
- The CRU2 protects solenoid locks and exit trim from spikes and blow back

SPECIFICATIONS:

- Operating voltage range: 12 to 30VDC
- Maximum Amperage: 1.0A

PS1 Power Supply

The PS1 is a heavy duty, high quality, low cost solution for powering a single electric latch pullback exit device.

The solid-state design ensures years of trouble-free operation. This linear power supply delivers the current needed for the extreme in-rush requirement of most solenoid driven electric latch retracting exit devices.

The power supply comes housed in a sturdy, yet compact metal enclosure.



FEATURES:

UL Listed

CSA Listed

Delivers the necessary high current in-rush for a single exit device

Solid-state design eliminates problems associated with mechanical relays

Single input/output

SPECIFICATIONS:

Input voltage - 120VAC

Output voltage - 24VDC regulated @ 1A (56 watt transformer)

Temperature range - 32° to 120° F

1 solid-state input/output (input triggered by dry contact)

LEDs - Red = Power indicator / Green = Channel on

Enclosure dimensions: 10" x 10" x 4"

PS2/PS2BB Power Supply

The PS2/PS2BB series power supplies are a high quality, cost effective solution for powering two electric latch pullback exit devices.

These power supplies provide the necessary surge current that most latch pullback exit devices require. The PS2/PS2BB series offers features found on power supplies costing much more.

The solid-state design and careful attention to detail make these power supplies the ideal choice for the discerning user who requires a power supply that can offer years of trouble-free operation.



FEATURES:

UL Listed

CSA Listed

Delivers the necessary in-rush current to power two latch pullback exit devices.

Independent inputs/outputs with priority sensing ... meaning with built-in delays each output harness the full capacity for the power supply

Solid-state design eliminates mechanical problems associated with relays

Thermal overload sensing reduces risk of failure due to overheating

Fire alarm disconnect link

Inputs triggered by dry contact

Intelligent short circuit detection detects shorts much faster than glass or resettable fuses and isolates the short to the individual output

Removable euro-style terminal blocks allow for easy wiring

Efficient battery backup/charging circuitry with zero voltage drop at power loss (PS2BB)

Solid-state reverse polarity protection for battery connections (PS2BB)

Audible alert when sensing AC power failure & low battery (PS2BB)

SPECIFICATIONS:

Input voltage - 120VAC

Output voltage - 24 VDC regulated @ 2A (56 watt transformer)

Temperature range - 32° to 120° F

2 solid-state inputs/outputs (input triggered by dry contact)

LEDs - Red = power indicator / Green = Channel on

Enclosure Dimensions - 12.5" x 15" x 5" (for the PS2BB, accommodates two 7AH batteries)

Requires (2)ea. 12V 7 amp hour batteries (batteries not included) (PS2BB)

PS5 Series Power Supply

The PS5 power supply is a regulated, linear power supply rated at 5 Amps @ 24VDC. It's state-of-the-art, solid-state design offers a flexible and cost effective solution to powering and controlling low current DC locking devices such as mortise locks, cylindrical locks, panic trim, and electric strikes.

This gives the installer the flexibility to control low current and high surge current devices together with one power supply.

The unit offers a continuous 27.6V battery charging circuit while allowing adjustable output voltage (24-27VDC). The PS5 is available in 4, 6, and 8 I/O models to accommodate most field conditions you might encounter. Housed in an attractive, high-quality enclosure, the PS5 series will be a complement to your installation while offering value not found elsewhere.



FEATURES:

UL Listed

CSA Listed (PS5-8 only)

Adjustable output voltage from 24-27VDC

Independent, Battery backup charging circuit at 27.6V with Solid-state design and very low voltage loss

Fire Alarm Link

Solid-state design eliminates mechanical problems associated with relays

Removable euro-style terminal blocks allow for easy wiring

3-year "no hassle" warranty

SPECIFICATIONS:

Input voltage - 110 VAC

Output voltage - 24VDC @ 5A continuous current

Up to (8) Solid-state inputs (specify dry contact or voltage trigger)

Up to (8) Solid-state outputs

LEDs - Red = power indicator / Green = Channel on

Thermal auto-resettable fuses

Enclosure dimensions - 12.5" x 15" x 5" (accommodates two 7AH batteries - batteries not included)

Power Transfer Butt Hinges

The Electric Through wire Hinge (ETH) is the ideal way to pass low voltage power from the hinge jamb to the lock set without having any exposed wires. These hinges are commonly used with electric mortise & cylindrical locks, electric strikes (when on a pair of doors), electric exit trims, latch pullback devices, door mounted card readers and low voltage door lights.



FEATURES:

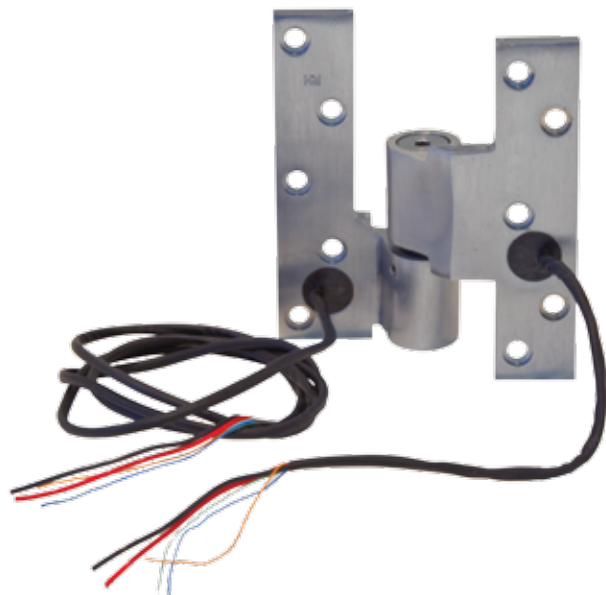
- UL-F Rated
- 4' lead available
- Centre located wire access holes
- Quick connect optional

SPECIFICATIONS:

- 2W (2/20ga)
- 4W (4/26ga)
- 8W (8/28ga)
- 12W (12/28ga)
- Other wire configurations available

Power Transfer Pivot Hinges

The Energy Transfer Pivot Hinge is available in the same wire configurations as the butt hinges. It's a great way to pass power from the hinge jamb to the door and have no exposed wires or cords.



FEATURES:

- Non-conductive wire access cap for added wire protection
- 4' lead available at no extra charge
- Multiple wire configurations available
- Quick connect optional

SPECIFICATIONS:

- 2W (2/20ga)
- 4W (4/26ga)
- 8W (8/28ga)
- 12W (12/28ga)
- Other wire configurations available

Concealed Door Loops

The patented Concealed Door Loop (CDL) is a low cost method of transferring low voltage power from the door frame to the locking device. Whereas typical door loops are surface mounted and remain constantly visible, the CDL slides into the door and/or frame completely concealing itself when the door is closed. Common applications include: use with continuous hinges, storefront conditions where offset hinges are used, and for most applications where ETH hinges or conventional door loops would be used. The CDL's aesthetic appeal will benefit retrofits and new installations alike.



FEATURES:

- Durable finish
- Special 1/4" flexible armoured conduit (i.d. 1/4")
- Supports up to 180° swing (Standard Butt and Continuous hinge applications)
- Easy installation
- Variable mounting locations

| MODELS | FUNCTION | FINISH |
|--------|----------------|----------------|
| CDL | Standard | Aluminum |
| CDL-FX | One side fixed | Black Anodized |

OPTIONS

- CDL-EXT extended 12"
- CDL-EXT2 extended 18"

Surface Door Loop

The surface door loop provides a safe way to transfer power when concealed methods are not possible. With flexible armoured conduit (i.d. 9/32”) and end caps, the DL20 door loop offers a field sizable (18” - 20”), surface applied solution in aluminium or duronotic finishes.



MODEL

DL-20

FUNCTION

Standard

FINISHES

Aluminum
Black Anodized

SPECIFICATIONS:

- 2W (2/20ga)
- 4W (4/26ga)
- 8W (8/28ga)
- 12W (12/28ga)
- Other wire configurations available

LHDH501

SPECIFICATIONS AND TECHNICAL DETAILS :

Basic wall mount

Dimensions : 80mmLx80mmWx40mmH

Dual Voltage : 12V / 24VDC

Current Draw : 100mA/12VDC, 50mA/24VDC

Holding Force : about 50KGS

Adjustable or Fixed Armature Plate

Built-in Spike Suppressor

Sensor : Optional

CE Approved

UL Listed



LHDH505

SPECIFICATIONS AND TECHNICAL DETAILS :

Wall Flush Mount

Dimensions : 121mmLx78mmWx25mmH

Dual Voltage : 12V / 24VDC

Current Draw : 100mA/12VDC, 50mA/24VDC

Holding Force : about 50KGS

Adjustable or Fixed Armature Plate

Built-in Spike Suppressor

Sensor : Optional

CE Approved

UL Listed



LHDH2300

SPECIFICATIONS AND TECHNICAL DETAILS :

Surface Mount

Dimensions : 116.5mmLx69.5mmWx76.2mmH

Power : 12V AC/DC, 24V AC/DC, 120V AC

Current : 12V/60mA, 24V/30mA, 120V/20mA

Holding Force : about 15KGS

Finish : gold painted, duro painted, alum painted

Adjustable Armature Plate

UL Listed



LAWRENCE[®]
HARDWARE INC.

FLATWARE ACCESSORIES



Section 6 Flatware and Accessories

| | |
|---|-----------|
| Section 6A Pulls, Flush Bolts, Surface Bolts, Roller Latches, Floor Stops and Wall Stops | 224 - 227 |
| Section 6B Push Paddles, Levers, Deadlatches, Cylinders | 228 - 230 |
| Section 6C Kickplates , Push Plates, and Coordinators | 231 - 233 |
| Section 6D Automatic Flush Bolts,Constant Latching Flush Bolts and Universal Flush Bolts | 234 - 239 |

Pulls

- LH4006-1** Pull .75" Dia. x 6" c/c
- LH4006-2** Pull 1" Dia. x 6" c/c
- LH4008-1** Pull .75" Dia. x 8" c/c
- LH4008-2** Pull 1" Dia. x 8" c/c
- LH4012-1** Pull .75" Dia. x 12" c/c
- LH4012-2** Pull 1" Dia. x 12" c/c



Pull/Plates

- LH4606-1** Pull .75" Dia. x 6" c/c x 4" x 16" plate
- LH4606-2** Pull 1" Dia. x 6" c/c x 4" x 16" plate
- LH4608-1** Pull .75" Dia. x 8" c/c x 4" x 16" plate
- LH4608-2** Pull 1" Dia. x 8" c/c x 4" x 16" plate
- LH4612-1** Pull .75" Dia. x 12" c/c x 4" x 16" plate
- LH4612-2** Pull 1" Dia. x 12" c/c x 4" x 16" plate



Offset Pull

- LH1180-1** Offset Pull .75" Dia. x 6" c/c
- LH1180-2** Offset Pull 1" Dia. x 6" c/c



Flush Bolts

LH401

Extension Flush Bolt

LH401UL

Extension Flush Bolt UL listed



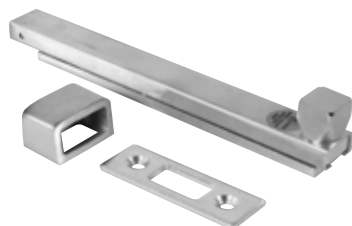
Surface Bolt

LH70TB

8" Surface Bolt c/w T and B Strike

LH70TBUL

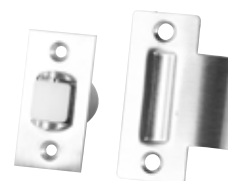
8" Surface Bolt c/w T and B Strike UL listed



Roller Latches

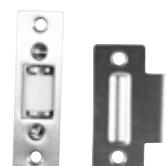
LH403

Heavy Duty "Adjustable" roller latch



LH404H

Heavy Duty "Adjustable" roller latch (With "T" Strike)



LH405H

Heavy Duty "Adjustable" roller latch (With ANSI Strike)



Floor Stops

LH200

Floor Stop .25" rise



LH209

Floor Stop .25" rise x 1.5" high



LH210

Floor Stop, Non Directional



LH270

Heavy Duty Floor Stop 2.375" High



LH281

Extra Heavy Duty Floor Stop



LH430

Decorative Floor Stop



Door Holder

LH289

Heavy Duty Kick Down Door Holder



Wall Stops and Baseboard Stops

LH240

Wall Stop (Convex)



LH250

Wall Stop (Concave)



LH240B

Wall Stop (Convex)



LH250B

Wall Stop (Concave)



LH273

Heavy Duty Baseboard Stop



Aluminum Door Hardware Universal Push-Pull Paddles

LH2162PUSH

Field Reversible for Left or Right Hand Installation
Fits CRL DL2140 Series, Adams Rite, S. Parker,
I.D.C.,
Global and Primeline Deadlatches.
Fits Deadlatches with backsets from 7/8" to 1-1/2"
Comes complete with cam plug, push and pull
indicator,
mounting screws, templates and instructions
Material: Zinc/Aluminum Finish: US28/Black



Lever Handles

LH2150LH

Field Reversible for Left or Right Hand Installation
Fits CRL DL2140 Series, Adams Rite, S. Parker,
I.D.C.,
Global and Primeline Deadlatches.
Material: Zinc/Aluminum Finish: US28



LH2150RH

Field Reversible for Left or Right Hand Installation
Fits CRL DL2140 Series, Adams Rite, S. Parker,
I.D.C.,
Global and Primeline Deadlatches.
Material: Zinc/Aluminum Finish: US28



Deadlatch Locks - 1/2" (12.7mm) Throw

DLA2140-3132LH (SHOWN)

Cylinder Backset - 31/32" - Left Handed

DLA2140-3132RH

Cylinder Backset - 31/32" - Right Handed



DLA2140-118LH

Cylinder Backset - 1-1/8" - Left Handed

DLA2140-118RH (SHOWN)

Cylinder Backset - 1-1/8" - Right Handed

Field Reversible for opposite hand

Key controlled dogging

Accepts standard 1-5/32" diameter mortise cylinder

Material: Steel

Faceplate Finish: US28



Double Mortise Key Cylinder

DL2172KASC

Schlage "C" Keyway - Keyed Alike

1" Long, 5 Pin , 1-5/32" diameter

AR MS - Type Cam

Includes a 3/16" thick cylinder ring

Complete with two keys

Material: Aluminum

Finish:US28



Mortise Thumbturn Cylinder

DL2172Z

1" Long, 5 Pin , 1-5/32" diameter

AR MS - Type Cam

Includes a 3/16" thick cylinder ring

Material: Aluminum

Finish:US28



Mortise Dummy Cylinder

DL2173Z

1-5/32" Diameter, 7/8" Long Cylinder

Includes a 3/16" thick cylinder ring

Material: Aluminum

Finish: US28

Kickplates and Push Plates

| PRODUCT NUMBER | DESCRIPTION | FINISH |
|----------------|------------------------------------|--------|
| LH80A | Kickplate 8" x 34" c/w screws | US32D |
| LH80A | Kickplate 8" x 34-1/2" c/w screws | US32D |
| LH80A | Kickplate 10" x 34" c/w screws | US32D |
| LH80A | Kickplate 10" x 34-1/2" c/w screws | US32D |
| LH81A | Pushplate 4" x 16" c/w screws | US32D |

Note: Other sizes available by order

PICTOGRAM PLATES

| | | |
|------------|--|-------|
| LHPIC TO M | Pushplate 4" x 16" c/w screws and Male Pictogram | US32D |
| LHPIC TO F | Pushplate 4" x 16" c/w screws and Female Pictogram | US32D |

Note: Other sizes available by order

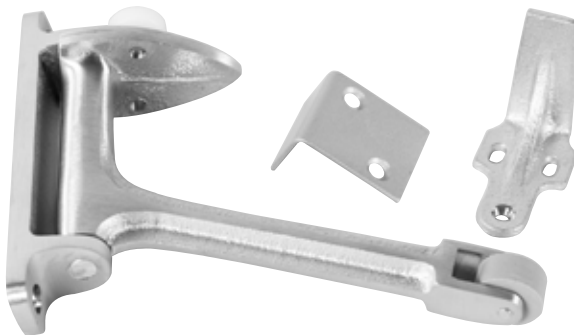
Note: Custom engraving also available

Door Coordinators

LH409 COORDINATOR DROP DOWN STYLE

Our drop down coordinator is non-handed, UL Listed, used to coordinate the closing of pairs of doors in jamb openings 36" to 104" wide. The coordinator mechanism and inactive door brackets are cast of solid brass. The roller strike for the top of the inactive door is wrought stainless steel.

The overall projection of the coordinator arm is 7". The rubber roller at the end of the coordinator arm cushions the contact of the active door when it is closing. The reversible nylon roller which lifts the coordinator arm insures smooth and long lasting operation. A curved lip roller strike is supplied with all devices.



Surface Mounted Door Coordinator

LHSMC-42

C6042 (SMC-42), 42" Surface Mounted Door Coordinator, Aluminum finished with steel housing and internal parts. With F6018, 18" Filler Bar, aluminum. Comes with 2 pieces of MB2, mounting brackets for top stop width over 2-1/4".



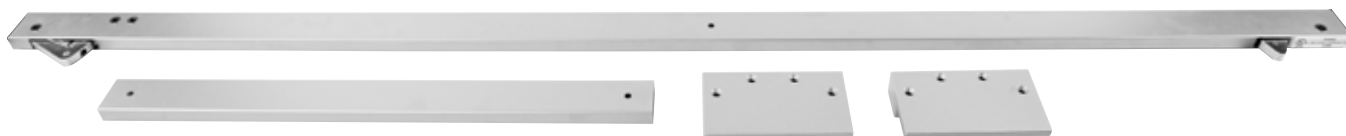
LHSMC-52

C6052 (SMC-52), 52" Surface Mounted Door Coordinator, Aluminum finished with steel housing and internal parts. With F6018, 20" Filler Bar, aluminum. Comes with 2 pieces of MB2, mounting brackets for top stop width over 2-1/4".



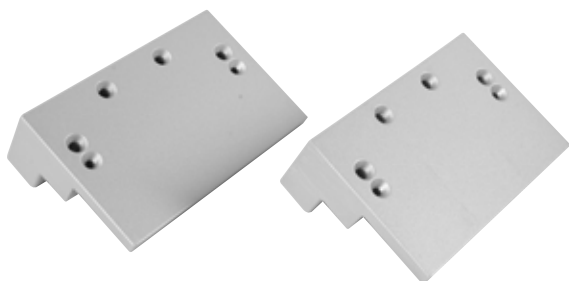
LHSMC-60

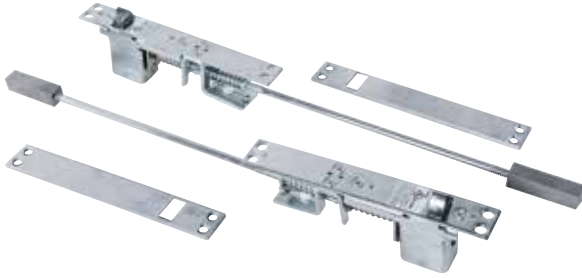
C6060 (SMC-60), 60" Surface Mounted Door Coordinator, Aluminum finished with steel housing and internal parts. With F6018, 36" Filler Bar, aluminum. Comes with 2 pieces of MB2, mounting brackets for top stop width over 2-1/4".



LH-MB3

2 pieces of MB3, Mounting Brackets for top stop width 7/8" to 2-1/4"





LH610M - FOR METAL DOORS

Automatic Flush Bolts

LH610M - FOR METAL DOORS

LH610W - FOR WOOD DOORS

SPECIFICATIONS:

Non-handed

cUL/UL listed for fire doors. Label A (3 - Hour Fire Doors)

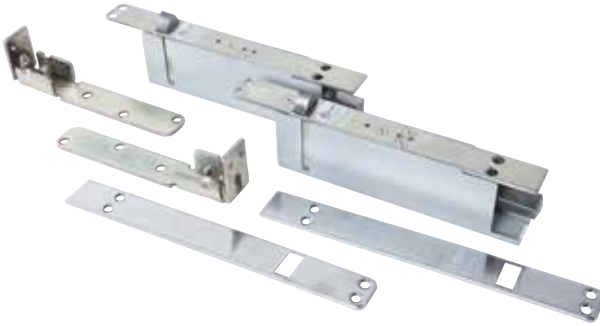
ANSI/BHMA A156.3

Faceplate Size:

LH610M - 1" x 6-3/4" (25.4mm x 171mm)

LH610W - 1" x 8-1/2" (25.4mm x 216mm)

Finishes: US26D and US32D



LH610W - FOR WOOD DOORS

OPERATION:

Used in pairs (top and bottom bolt) on the inactive leaf of double wood or hollow metal doors

Opening active door automatically retracts top and bottom bolts. Closing active door automatically extends top and bottom bolts

Can be used as top bolt only when combined with LHFL001

The LHFL001 is a auxiliary fire latch bolt, temperature actuated, that extends from the active door into the inactive door.



LH510M - FOR METAL DOORS

Constant Latching Flush Bolt

LH510M - FOR METAL DOORS

LH510W - FOR WOOD DOORS

SPECIFICATIONS:

cUL/UL listed for fire doors. Label A (3 - Hour Fire Doors)

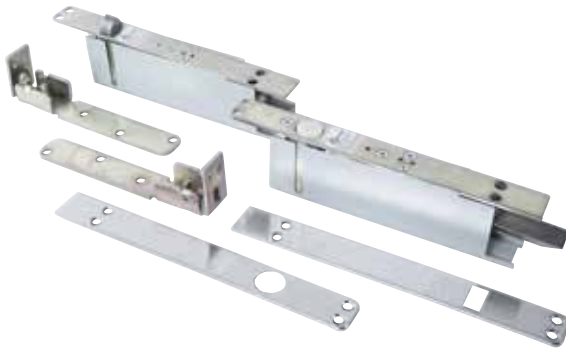
ANSI/BHMA A156.3

Faceplate Size:

LH510M - 1" x 6-3/4" (25.4mm x 171mm)

LH510W - 1" x 8-1/2" (25.4mm x 216mm)

Finishes: US26D and US32D



LH510W - FOR WOOD DOORS

OPERATION:

The self Latching flush bolt is used on the top of the door and is combined with a automatic flush bolt at the bottom of the door

The top bolt (LH510M or LH510W) automatically engage frame strike when the inactive door is closed.

The bolt remains engaged until it is retracted by depressing the plunger on the face of the bolt

The bottom bolt of the pair of bolts will engage floor strike when the active door is closed



Universal Flush Bolts

UNIVERSAL AUTOMATIC FLUSH BOLTS LHFB820 (PAIR OF 810)

SPECIFICATIONS:

cUL/UL listed for 3 hour fire rated doors
UL 10B and 10C fire tests for door assemblies
ANSI/BHMA A156.3
Finishes: US3, US10B and US26D

FEATURES:

Simple Door preparation
Easy Installation
Requires two (2) 1-1/8" Diameter holes and simple rectangular faceplate preps
Dual use for metal and solid wood doors
No cut outs on inactive door
Non-handed
Ideal for wood veneer doors as smaller profile adds stability to the door

USE:

These bolts are installed at the top and bottom of fire rated doors on the inactive leaf
Top and bottom bolts will automatically retract when the active door is opened



UNIVERSAL SELF LATCHING FLUSH BOLT LHFB780 (FB710 +FB810)

SPECIFICATIONS:

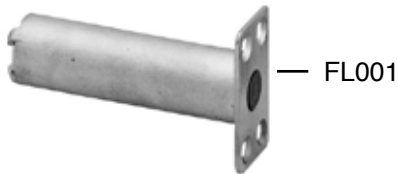
cUL/UL listed for 3 hour fire rated doors
UL 10B and 10C fire tests for door assemblies
ANSI/BHMA A156.3
Finishes: US3, US10B and US26D

FEATURES:

Simple Door preparation
Easy Installation
Requires two (2) 1-1/8" Diameter holes and simple rectangular faceplate preps
Dual use for metal and solid wood doors
No cut outs on inactive door
Non-handed
Ideal for wood veneer doors as smaller profile adds stability to the door

USE:

These bolts are installed at the top and bottom of fire rated doors on the inactive leaf
Top bolt (FB710) automatically engages the curved lip strike every time the inactive door is closed.
The bolt remains engaged until it is retracted by depressing the plunger on the face plate
Bottom bolt (FB810) will automatically retract when the active door is opened



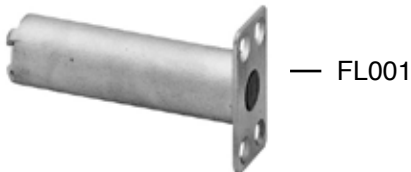
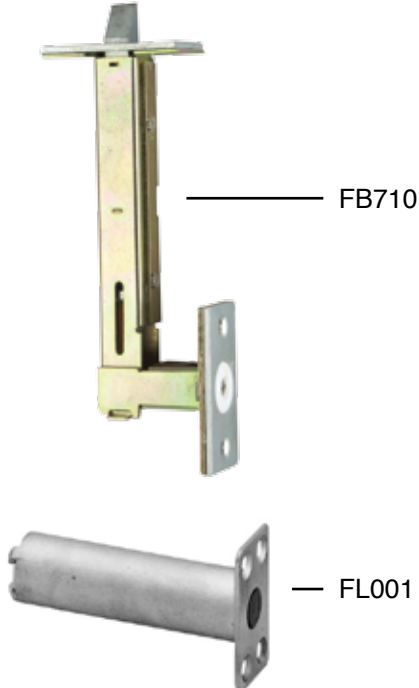
UNIVERSAL AUTOMATIC FLUSH BOLT LESS BOTTOM BOLT LHFB810 + LHFL001

This combination is cUL/UL listed for pairs of fire rated doors

The top bolt is installed on the top edge of the inactive door

The bottom fire latch bolt (LHFL001) is used to replace the automatic flush bolt

This combination reduces the amount of door prep required



UNIVERSAL SELF LATCHING FLUSH BOLT LESS BOTTOM BOLT LHFB710 + LHFL001

This combination is cUL/UL listed for pairs of fire rated doors

The top bolt is installed on the top edge of the inactive door

The bottom fire latch bolt (LHFL001) is used to replace the automatic flush bolt

This combination reduces the amount of door prep required

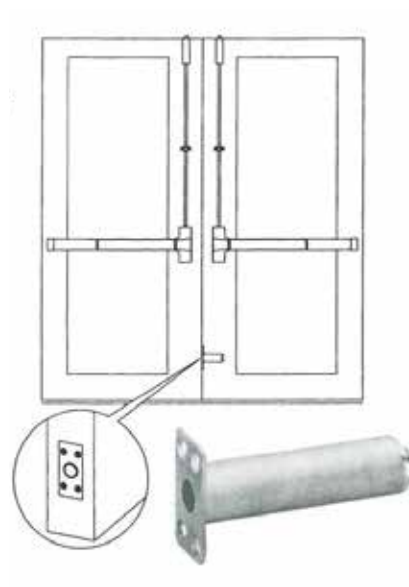
Fire Latch Bolt

LHFL001

This fire latch bolt is a temperature actuated bolt.

It is installed horizontally in the lower edge of the inactive door with a matching hole on the active door

This bolt will automatically extend from the inactive door into the active door locking both doors together



FIRE LATCH BOLT (LHFL001) INSTALLATION

Used with automatic (LHFB810) or Self latching (LHFB710) flush bolts

Inactive Door

1. Measure 6" from bottom of the inactive door
2. Drill 7/8" diameter x 3-7/16" deep hole for fire latch bolt

Active Door

1. Drill a 1" diameter x 1-3/4" deep hole for plug at the exact same height as the fire latch bolt
2. Install plug in door

