

416 SERIES HEAVY DUTY DOOR CLOSER



Specification

- ANSI:** Meets ANSI A156.4 Grade 1 Standards
- UL Listings:** For "A" Label 3 Hour Fire Doors, UL 10C Positive Pressure Rated
- ADA Compliance:** Meets ADA requirements ANSI A117.1
- Closer Body:** Heavy Duty Cast Iron Closer Body with Precision Rack & Pinion Construction
- Piston & Spindle:** Heat Treated Steel Piston & Spindle with Needle Bearings for Smooth Operation
- Springs:** Heat Treated Heavy Duty Tempered Spring for up to 250lb door
- Spring Sizing:** Adjustable size 1 to 6 - Factory set at size 3
- Speed Controls:** Independent Latch & Sweep Speed Controls
- Back Check:** Adjustable Back Check Intensity Control Valve
- Valves:** Staked Valves to prevent backing valves out too far
- Standard Cover:** Molded Plastic Cover included for finished look
- Optional Cover:** US26D Metal Cover available separately
- CTC Hole Pattern:** 2 holes 1" CTC, 3" CTC horizontal x 2 1/4" CTC vertical
- Projection:** 2 1/4" projection with cover installed
- Minimum Top Rail:** Regular: 3 3/4" - Top Jamb: 1 1/4" - Parallel Arm: 5 3/8"
- Fasteners:** Thru bolts & machine screws, wood screws & self tapping machine screws included
- Mounting Styles:** Includes all screws and brackets for Regular, Top Jamb and Parallel Arm Installations
- Accessories:** Hold Open Arms, Heavy Duty Arms, Drop Plates, Extended Arms & more...
- Warranty:** Limited lifetime warranty

416 SERIES DOOR CLOSER ACCESSORIES



Heavy Duty & Hold Open Arms



416 Series Heavy
Duty Arm



416 Series HD Hold
Open Arm



416 Adjustable
Type Hold Open
Arm



416 Friction Type
Hold Open Arm

Drop Plates & Cover



416 Regular Drop
Plate



416 TJ-1 Drop
Down TJ Drop
Plate



416 Parallel Arm
Drop Plate



416 TJ-2 Center
Mount TJ Drop
Plate

Parts & Accessories



416 Extended Arm



416 Extra Long
Extended Arm



Spring Stop For use with
416 Heavy Duty Arm &
HD Hold Open Arm



416 Blade Stop
Spacer



416 Shoe Support

416 SERIES HEAVY DUTY ARM



Specification

Base Material: Forged solid steel

Applications: Ideal for use in high abuse areas

Controls: Removable Auxiliary Stop

Handing: Non-handed

Mounting: Parallel Arm only

Finishes: AL, BZ & GLD painted finishes

Accessories : Fifth Hole Spacer included
Spring Stop available separately as replacement for auxiliary stop
Shoe Supports & Blade Stop Spacers available separately

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



416 SERIES HD HOLD OPEN ARM



Specification

- Base Material:** Forged solid steel
- Applications:** Used to hold doors open in non UL Fire Rated applications Ideal for use in High Abuse areas
- Controls:** T-Turn Hold Open Function & Removable Auxiliary Stop
- Handing:** Non-handed
- Mounting:** Parallel Arm only
- Finishes:** AL, BZ & GLD painted finishes
- Accessories:** Fifth Hole Spacer included
Spring Stop available separately as replacement for auxiliary stop
Shoe Supports & Blade Stop Spacers available separately
- Fasteners:** Machine, wood and self tapping machine screws
- Warranty:** Limited lifetime warranty



416 SERIES ADJUSTABLE HOLD OPEN ARM



Specification

Base Material: Forged & stamped steel

Applications: Used to hold doors open in non UL Fire Rated applications

Controls: Hold Open Function at elbow using spring loaded ball bearing which allows for an adjustable hold open position

Handing: Non-handed

Mounting: Regular, Top Jamb & Parallel Arm

Finishes: AL & BZ painted finishes

Adjustability: Slide Arm adjustment for different jamb depths

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



416 SERIES FRICTION HOLD OPEN ARM



Specification

Base Material: Forged & stamped steel

Applications: Used to hold open doors in non UL Fire Rated applications

Controls: Hold Open Function using friction type fitting under nut which also allows for multiple hold open positions

Handing: Non-handed

Mounting: Regular, Top Jamb & Parallel Arm (includes PA bracket) Two arm length positions allow for different jamb depths AL, BZ & GLD painted finishes

Finishes: AL, BZ, GLD painted finishes

Adjustability: Two arm length positions allow for different jamb depths

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



416 SERIES REGULAR DROP PLATE



Specification

Base Material: Steel

Applications: 3 9/16" height x 12 3/8" width x 1/4" thickness

Controls: Non-handed

Handing: Used for regular arm mounting when the top rail is too narrow to allow the closer to be mounted directly to the door surface

Mounting: 2" minimum top rail required

Finishes: AL & BZ painted finishes

Accessories: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES PARALLEL ARM DROP PLATE



Specification

Base Material: Steel

Size: 5" height x 12 3/8" width x 1/4" thickness

Handing: Non-handed

Application: Used for parallel arm mounting where top rail is less than 5 1/2" measured from the stop

Minimum Top Rail: 2" minimum top rail required

Finishes: AL, BZ & GLD painted finishes

Prepared Holes : Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES TJ-1 DROP DOWN TJ DROP PLATE



Specification

Base Material: Steel

Size: 3 9/16" height x 12 3/8" width x 1/4" thickness

Handing: Non-handed

Application: Locates top jamb mounted closer flush with top of frame face in flush ceiling condition 1 3/4" minimum head frame required

Finishes: AL & BZ painted finishes

Prepared Holes : Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES TJ-2 CENTER MOUNT TJ DROP PLATE



Specification

Base Material: Steel

Size: 3 9/16" height x 12 3/8" width x 1/4" thickness

Handing: Non-handed

Application: Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" - 1 3/4" minimum head frame required

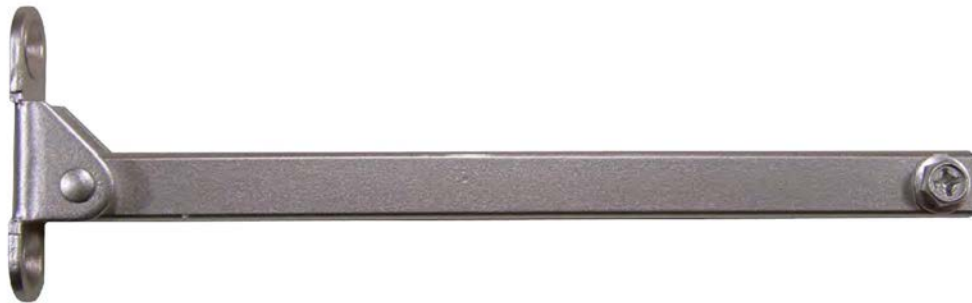
Finishes: AL & BZ painted finishes

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES EXTENDED ARM



Specification

Base Material: Steel

Size: 8 1/2" total length

Application: Used for frame reveals larger than 2 5/8" and up to 4 13/16" Direct replacement for standard forearm

Included Accessories: Includes shoe already installed and forearm screw

Handing: Non Handed

Finishes: AL & BZ painted finishes

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES EXTRA LONG EXTENDED ARM



Specification

Base Material: Steel

Size: 12 1/2" total length

Application: Used for deep frame reveals larger than 4 7/8" and up to 8" Direct replacement for standard forearm

Included Accessories: Includes shoe already installed and forearm screw

Handing: Non Handed

Finishes: AL & BZ painted finishes

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES BLADE STOP SPACER



Specification

Base Material: Aluminum

Size: 3 1/2" length x 1" width x 1/2" thick

Application: Used as a spacer when the door frame has a blade stop and the PA bracket must be mounted on the frame rabbet

Compatible With: 416 Standard Arm with PA Bracket

416 Heavy Duty Arm

416 HD Hold Open Arm

416 Friction Hold Open Arm

316/116 Heavy Duty Arm

316/116 HD Hold Open Arm

316/116 Friction Hold Open Arm

Finishes: AL, BZ & GLD painted finishes

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

416 SERIES SHOE SUPPORT



Specification

Base Material: Steel

Size: 1 1/4" length x 1 1/4" width x 1/8" thick

Application: Used to provide anchorage for fifth screw used with Heavy Duty Arms where reveal is less than 3 1/6" for parallel arm mounting only

Finishes: AL, BZ & GLD painted finishes

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

316R SERIES REPLACEMENT DOOR CLOSER



Specification

- Mounting Plate:** Includes Patented Mounting Plate - Patent# 7698796 Mounting Plate can be used to replace a wide variety of the most popular door closers on the market without drilling new holes in the door
- ANSI:** Meets ANSI A156.4 Grade 1 Standards
- UL Listings:** For "A" Label 3 Hour Fire Doors, UL10C Positive Pressure Rated
- ADA Compliance:** Meets ADA requirements ANSI A117.1
- Closer Body:** Heavy Duty Cast Aluminum Closer Body, Rack & Pinion Const.
- Spring Sizing:** Adjustable Spring Power from size 1 to 6 - Factory set at size 3
- Speed Controls:** Independent Latch & Sweep Speed Controls
- Back Check:** Back Check Intensity Control Standard
- Valves:** Staked Valves to prevent backing valves out too far
- Cover:** Molded Plastic Cover included to conceal mounting plate
- CTC Hole Pattern:** 2 holes 1" CTC, 3" CTC horizontal x 2 1/4" CTC vertical
- Projection:** Slim 2 1/4" projection with cover installed over mtg. plate
- Fasteners:** Thru bolts with machine screws, wood screws & self tapping machine screws
- Warranty:** Limited lifetime warranty
- Replaces:** Corbin Russwin: 3200, 3600, 6200, 6400
Design Hardware: 116, 316, 416
Dorma: 8600, 7200, 7300
Dor-O-Matic: SC60, SC70, SC80
LCN: 4041, 4110, 1460
Norton: 1600, 8100, 8300, 8500, 7500, 7700
Ryobi/Stanley: 1650, 3500, 4500
Sargent: 1430
Yale: 50, 150, 400, 3100, 3300, 3500, 4400

Available Finishes

DH#	US#	BHMA#	Finish Description
AL	ALUM	689	Aluminum Painted
BZ	DURO	690	Dark Bronze Painted

Note: The noted company names & model numbers may or may not be copyright or registered trademarks of their respective companies and are not affiliated with Design Hardware in any way.

316 SERIES HEAVY DUTY DOOR CLOSER



Specification

ANSI: Meets ANSI A156.4 Grade 1 Standards

UL Listings: For "A" Label 3 Hour Fire Doors, UL10C Positive Pressure Rated

ADA Compliance: Meets ADA requirements ANSI A117.1

Closer Body: Heavy Duty Cast Aluminum Closer Body, Rack & Pinion Const.

Piston, Spindle, Spring: Heat Treated Heavy Duty Steel Piston, Spindle & Spring

Spring Sizing: Adjustable Spring Power from size 1 to 6 - Factory set at size 3

Speed Controls: Independent Latch & Sweep Speed Controls

Back Check: Back Check Intensity Control Standard

Valves: Staked valves to prevent backing valves out too far

Cover: Molded Plastic Cover included - Metal cover included with US3 & US26 finish

Projection: Slim 2 1/8" projection with cover installed

CTC Hole Pattern: 12" CTC Horizontally x 3/4" CTC Vertically

Projection: Slim 2 1/4" projection with cover installed over mtg. plate

Minimum Top Rail: Regular: 3 1/2" - Top Jamb: 2 1/4" - Parallel Arm: 5 1/4"

Fasteners: Thru bolts with machine screws, wood screws & self tapping machine screws included

Mounting Styles: Includes all screws and brackets for Regular, Top Jamb and Parallel Arm Installations

Accessories: Hold Open Arms, Heavy Duty Arms, Drop Plates, Extended Arms & more ...

Warranty: Limited lifetime warranty

Available Finishes

DH#	US#	BHMA#	Finish Description
AL	ALUM	689	Aluminum Painted
BZ	DURO	690	Dark Bronze Painted
GLD	GOLD	696	Gold Painted
US3	US3	632	Bright/Polished Brass
US26	US26	651	Bright/Polished Chrome

316/116 SERIES DOOR CLOSER ACCESSORIES



Heavy Duty & Hold Open Arms



316/116 Series
Heavy Duty Arm



316/116 Series HD
Hold Open Arm



316/116
Adjustable Type
Hold Open Arm



316/116
Friction Type
Hold Open Arm

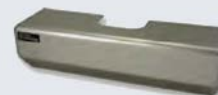
116 Drop Plates & Cover



116 Regular/TJ
Drop Plate



116 PA Drop Plate



116 Cover
(Optional)

316 Drop Plates



316 Regular Drop
Plate



316 Top Jamb Drop
Plate



316 Parallel Arm
Drop Plate

116/316 Parts & Accessories



116 Extended Arm



316 Extended Arm



Spring Stop For use with
316/116 Heavy Duty Arm
& HD Hold Open Arm



316/116 Blade Stop
Spacer

316 SERIES HEAVY DUTY ARM



Specification

Base Material: Forged solid steel

Controls: Removable Auxiliary Stop

Handing: Non-handed

Mounting: Parallel Arm only

Finishes: AL & BZ painted finishes

Duty: Ideal for high abuse applications

Accessories : Fifth Hole Spacer included
Spring Stop available separately as replacement
for auxiliary stop
Shoe Supports & Blade Stop Spacers available
separately

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



316 SERIES HD HOLD OPEN ARM



Specification

- Base Material:** Forged solid steel
- Applications:** Used to hold doors open in non UL Fire Rated applications Ideal for use in High Abuse areas
- Controls:** T-Turn Hold Open Function & Removable Auxiliary Stop
- Handing:** Non-handed
- Mounting:** Parallel Arm only
- Finishes:** AL, BZ & GLD painted finishes
- Accessories:** Fifth Hole Spacer included
Spring Stop available separately as replacement for auxiliary stop
Shoe Supports & Blade Stop Spacers available separately
- Fasteners:** Machine, wood and self tapping machine screws
- Warranty:** Limited lifetime warranty



316 SERIES ADJUSTABLE HOLD OPEN ARM



Specification

Base Material: Forged & stamped steel

Applications: Used to hold doors open in non UL Fire Rated applications

Controls: Hold Open Function at elbow using spring loaded ball bearing which allows for an adjustable hold open position

Handing: Non-handed

Mounting: Regular, Top Jamb & Parallel Arm

Finishes: AL, BZ & GLD painted finishes

Adjustability: Slide Arm adjustment for different jamb depths

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



316 SERIES FRICTION HOLD OPEN ARM



Specification

- Base Material:** Forged & stamped steel
- Applications:** Used to hold open doors in non UL Fire Rated applications
- Controls:** Hold Open Function using friction type fitting under nut which also allows for multiple hold open positions
- Handing:** Non-handed
- Mounting:** Regular, Top Jamb & Parallel Arm (includes PA bracket) Two arm length positions allow for different jamb depths AL, BZ & GLD painted finishes
- Finishes:** AL, BZ, GLD painted finishes
- Adjustability:** Two arm length positions allow for different jamb depths
- Fasteners:** Machine, wood and self tapping machine screws
- Warranty:** Limited lifetime warranty



316 SERIES REGULAR DROP PLATE



Specification

Base Material: Steel

Size: 3 1/4" height x 13" width x 1/4" thickness

Handing: Non-handed

Applications: Used for regular arm mounting when the top rail is too narrow to allow the closer to be mounted directly to the door surface

Finishes: AL & BZ painted finishes

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

316 SERIES PARALLEL ARM DROP PLATE



Specification

Base Material: Steel

Size: 5" height x 13" width x 1/4" thickness

Handing: Non-handed

Applications: Used for parallel arm mounting when the top rail is too narrow to allow the closer to be mounted directly to the door surface

Finishes: AL & BZ painted finishes

Minimum Top Rail: Requires a minimum top rail of 2 7/8"

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

316 SERIES TOP JAMB DROP PLATE



Specification

Base Material: Steel

Size: 3 5/8" height x 13" width x 1/4" thickness

Handing: Non-handed

Applications: Used for top jamb mounting in low ceiling clearance applications or when an overhead door holder prevents normal top jamb mounting of closer body

Finishes: AL & BZ painted finishes

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

316 SERIES EXTENDED ARM



Specification

Base Material: Steel

Size: 13 1/2" total length

Handing: Non-handed

Applications: Used for frame reveals larger than 4" and up to 8" Direct replacement for standard forearm

Finishes: AL, BZ, GLD painted finishes

Included Accessories : Includes shoe already installed and forearm screw

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

116 SERIES HEAVY DUTY DOOR CLOSER



Specification

ANSI: Meets ANSI A156.4 Grade 1 Standards

UL Listings: For "A" Label 3 Hour Fire Doors, UL10C Positive Pressure Rated

ADA Compliance: Meets ADA requirements ANSI A117.1

Closer Body: Heavy Duty Cast Aluminum Closer Body, Rack & Pinion Const.

Piston, Spindle, Spring: Heat Treated Heavy Duty Steel Piston, Spindle & Spring

Spring Sizing: Adjustable Spring Power from size 1 to 6 - Factory set at size 3

Speed Controls: Independent Latch & Sweep Speed Controls

Back Check: Back Check Intensity Control Standard

Valves: Staked valves to prevent backing valves out too far

Included Parts: Plastic Pinion Cap & PA Bracket included

Cover: Molded Plastic Cover available separately

CTC Hole Pattern: 9 1/16" CTC Horizontally x 3/4" CTC Vertically

Projection: Slim 2 1/4" projection with cover installed over mtg. plate

Minimum Top Rail: Regular: 3 1/8" - Top Jamb: 1 7/8" - Parallel Arm: 5 3/4"

Fasteners: Machine screws & thru bolts, wood screws & self tapping machine screws included

Mounting Styles: Includes all screws and brackets for Regular, Top Jamb and Parallel Arm Installations

Accessories: Hold Open Arms, Heavy Duty Arms, Drop Plates, Extended Arms & more ...

Warranty: Limited lifetime warranty

Available Finishes

DH#	US#	BHMA#	Finish Description
AL	ALUM	689	Aluminum Painted
BZ	DURO	690	Dark Bronze Painted

116/316 SERIES DOOR CLOSER ACCESSORIES



Heavy Duty & Hold Open Arms



316/116 Series
Heavy Duty Arm



316/116 Series HD
Hold Open Arm



316/116
Adjustable Type
Hold Open Arm



316/116
Friction Type
Hold Open Arm

116 Drop Plates & Cover



116 Regular/TJ
Drop Plate



116 PA Drop Plate



116 Cover
(Optional)

316 Drop Plates



316 Regular Drop
Plate



316 Top Jamb Drop
Plate



316 Parallel Arm
Drop

116/316 Parts & Accessories



116 Extended Arm
For 4" to 8"
frame reveal



316 Extended Arm
For 4" to 8"
frame reveal



Spring Stop For use with
316/116 Heavy Duty Arm
& HD Hold Open Arm



316/116 Blade Stop
Spacer

116 SERIES HEAVY DUTY ARM



Specification

Base Material: Forged solid steel

Application: Ideal for use in high abuse areas

Controls: Removable Auxiliary Stop

Handing: Non-handed

Mounting: Parallel Arm only

Finishes: AL, BZ painted finishes

Duty: Ideal for high abuse applications

Accessories : Fifth Hole Spacer included
Spring Stop available separately as replacement
for auxiliary stop
Shoe Supports & Blade Stop Spacers available
separately

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



116 SERIES HD HOLD OPEN ARM



Specification

- Base Material:** Forged solid steel
- Applications:** Used to hold doors open in non UL Fire Rated applications Ideal for use in High Abuse areas
- Controls:** T-Turn Hold Open Function & Removable Auxiliary Stop
- Handing:** Non-handed
- Mounting:** Parallel Arm only
- Finishes:** AL, BZ painted finishes
- Accessories:** Fifth Hole Spacer included
Spring Stop available separately as replacement for auxiliary stop
Shoe Supports & Blade Stop Spacers available separately
- Fasteners:** Machine, wood and self tapping machine screws
- Warranty:** Limited lifetime warranty



116 SERIES ADJUSTABLE HOLD OPEN ARM



Specification

Base Material: Forged & stamped steel

Applications: Used to hold doors open in non UL Fire Rated applications

Controls: Hold Open Function at elbow using spring loaded ball bearing which allows for an adjustable hold open position

Handing: Non-handed

Mounting: Regular, Top Jamb & Parallel Arm

Finishes: AL, BZ painted finishes

Adjustability: Slide Arm adjustment for different jamb depths

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



116 SERIES FRICTION HOLD OPEN ARM



Specification

Base Material: Forged & stamped steel

Applications: Used to hold open doors in non UL Fire Rated applications

Controls: Hold Open Function using friction type fitting under nut which also allows for multiple hold open positions

Handing: Non-handed

Mounting: Regular, Top Jamb & Parallel Arm (includes PA bracket) Two arm length positions allow for different jamb depths AL, BZ & GLD painted finishes

Finishes: AL, BZ, GLD painted finishes

Adjustability: Two arm length positions allow for different jamb depths

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty



116 SERIES REGULAR/TJ DROP PLATE



Specification

Base Material: Steel

Size: 2 9/16" height x 9 3/4" width x 1/4" thickness

Handing: Non-handed

Regular Mount: Used for regular arm mounts when the top rail is too narrow to allow the closer to be mounting directly to the door surface

Top Jamb Mount: Used for top jamb mounting in low ceiling clearance applications or when an overhead door holder prevents normal top jamb mounting of closer body

Finishes: AL, BZ, painted finishes

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

116 SERIES PA DROP PLATE



Specification

Base Material: Steel

Size: 3 1/2" height x 9 3/4" width x 1/4" thickness

Handing: Non-handed

Application: Used for parallel arm mounting when the top rail is too narrow to allow the closer to be mounted directly to the door surface

Minimum Top Rail: Requires a minimum top rail of 3 1/8"

Finishes: AL, BZ, painted finishes

Prepared Holes: Screw holes drilled & tapped for closer mounting & countersunk for installation to frame or door

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

116 SERIES CLOSER COVER



Specification

- Base Material:** High Impact ABS plastic - Non corrosive
- Size:** 9 3/4" long x 2 9/16" tall - Projects 2 3/16" from door face
- Handing:** Non-handed
- Application:** Used to give closer a more finished appearance
- Finishes:** AL, BZ, painted finishes
- Fasteners:** Secured by 2 machine screws (included)
- Warranty:** Limited lifetime warranty

116 SERIES EXTENDED ARM



Specification

Base Material: Steel

Size: 14" total length

Handing: Non-handed

Application: Used for frame reveals larger than 4" and up to 8" Direct replacement for standard forearm

Finishes: AL, BZ, painted finishes

Fasteners: Machine, self tapping machine screws

Warranty: Limited lifetime warranty

316/116 SERIES BLADE STOP SPACER



Specification

Base Material: Aluminum

Size: 3 1/2" length x 1" width x 1/2" thick

Application: Used as a spacer when the door frame has a blade stop and the PA bracket must be mounted on the frame rabbet.

Compatible With: 116 Standard Arm with PA Bracket

316 Standard Arm with PA Bracket

316/116 Adjustable Hold Open Arm with PA Bracket

Finishes: AL, BZ & GLD painted finishes

Fasteners: Machine, wood and self tapping machine screws

Warranty: Limited lifetime warranty

SPRING STOP



Specification

Base Material: Steel

Size: 2 1/2" length x 1 1/8" width x 1" thickness

Application: Used to provide an optional spring stop by replacing the screw-in positive stop on PA bracket of the compatible arms listed below

Compatible With: 416 Heavy Duty Arm

416 HD Hold Open Arm

316/116 Heavy Duty Arm

316/116 HD Hold Open Arm

Finishes: AL, BZ & GLD painted finishes

Fasteners: Integrated attachment screw uses hex wrench for installation

Warranty: Limited lifetime warranty

Z SERIES EXTRA HEAVY DUTY GRADE 1 LOCK



Small Format IC 6 or 7 pin



Specification

- ANSI:** Meets ANSI - A156.2, Series 4000, Grade 1 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- ADA Compliance:** Meets ADA and ANSI A117. 1 accessibility codes
- Cycle Testing:** Tested to over 2 Million Cycles
- Lock Chassis:** Steel, Zinc dichromated for corrosion resistance
- Clutching:** Clutching levers standard for vandal resistance on locking functions
- Trim:** 5" Solid zinc diecast levers, 3 1/2" wrought brass roses
- Lever Return:** Independent lever return springs to prevent lever sag
- Handing:** Non-handed - Completely reversible
- Standard Latch:** 2 3/4" backset with 1 1/8" x 2 1/4" latchface - Stainless steel latch bolt with 3/4" projection
- Optional Latches:** 2 3/4" backset with 1 1/8" x 2 1/4" latchface - Stainless steel latch w/ 1/2" projection
2 3/8" backset with 1" x 2 1/4" latchface - Stainless steel latch w/ 1/2" projection
- Cylinder Options:** 6 Pin Brass, C Kwy, with 2 Keys std, Prepared for Small format IC core (less core)
Prepared for Schlage Large Format IC core (less core)
- Strikes:** 4 7/8" x 1 1/4" ASA standard - T strike & Full lip strikes available when specified
- Door Preparation:** ANSI A115.2 - 2 1/8" crossbore with (2) 5/16" thru bolt holes
- Door Thickness:** Factory Set for 1 3/4" - can be adjusted to fit 1 3/8" to 2" thick doors
- Lever Designs:** Flat (standard, shown above), Curved & Half Curved
- Standard Finishes:** US26D (In stock)
- Special Order Finishes:** US3 PVD*, US4, US10B, US26 PVD* (PVD = Lifetime Finish) (2 week lead time)
- Lead Lining Option:** 1/32" lead lined rose & 1/32" lead wrapped latch bolt (requires 1" bore)
- Electrified Options:** Motor Driven lock/unlock function, 12/24 V (AC/DC) Fail Safe/Fail Secure
REX - Request to Exit Switch, See electrified section
- Warranty:** Limited lifetime warranty

Z SERIES LEVER STYLES & OPTIONS



Available Lever Styles



Flat Lever
Stocked in US26D



SFIC Flat Lever
Stocked in US26D



SLFIC Flat Lever
Stocked in US26D



Curved Lever
Stocked in US26D



SFIC Curved Lever
Stocked in US26D



SLFIC Curved Lever
Stocked in US26D



Half Curve Lever
Stocked in US26D



SFIC Half Curve Lever
Stocked in US26D



SLFIC Half Curve Lever
Stocked in US26D

Stock Finishes

US26D Brushed/Satin Chrome

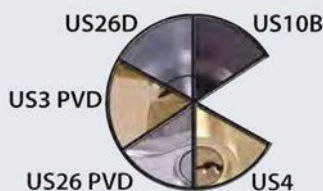
Special Order Finishes

US3 PVD Bright/Polished Brass

US4 Brushed/Satin Brass

US10B Oil Rubbed Bronze

US26 PVD** Bright/Polished Chrome



*PVD Lifetime Finish Standard on US3 and US26 finishes

PVD = Physical Vapor Deposition

*Special order finishes require 2 week leadtime

How to Order

Prefix	Series	Function	Lever	Finish	Backset	Strike
E	- Z	- 82IC	- F	- US26D	- 2 3/4"	- ASA












E = Electrified
LL = Lead Lined

No Suffix = Standard
Cylinder
IC = Small Format IC
SLFIC = Schlage Large
Format IC

F = Flat
C = Curved
H = Half Curved

Z SERIES AVAILABLE FUNCTIONS



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	Z-75	Passage	F75	Latchbolt operated by lever from either side at all times.
	Z-76	Privacy	F76	Latchbolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
	Z-82 Z-82IC	Entry/Office	F82	Turn/ Push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Pushing button locks outside lever until unlocked with key or inside lever is turned. Deadlocking latchbolt operated by inside lever at all times.
	Z-84 Z-84IC	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside with key. When outside lever is locked, Latchbolt is operated by key in outside lever or by rotating inside lever.
	Z-110 Z-110IC	Classroom Intruder	F110	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside or inside with key. When outside lever is locked latchbolt is operated by key in outside lever or by rotating inside lever. Inside lever is always unlocked .
	Z-86 Z-86IC	Storeroom	F86	Deadlocking latchbolt operated by key in outside lever or rotating inside lever. Outside lever is always locked.
	E-Z-86 E-Z-86IC	Electrified Storeroom Fail Secure		Fail Secure (Power Unlock) Outside lever unlocked when power is applied and locked when power is removed. Deadlocking latchbolt manually operated by key in outside lever or rotating inside lever. Outside lever is always locked.
	E-Z-86 E-Z-86IC	Electrified Storeroom Fail Safe		Fail Safe (Power Lock) Outside lever locked when power is applied and locked when power is removed. Deadlocking latchbolt manually operated by key in outside lever or rotating inside lever. Outside lever is always locked .
	Z-87 Z-87IC	Institutional	F87	Deadlocking latchbolt operated by key from either side. Both levers are always locked.
	Z-90 Z-90IC	Dormitory/ Corridor	F90	Deadlocking latch bolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button inside. Key in outside lever locks or unloc.ks outside lever. Unlocked by rotating inside lever, closing door or key in outside lever. Deadlocking latchbolt operated by inside lever at all times.
	Z-SD	Single Dummy (Surface mounted)		Single dummy trim for one side of door. Lever rigid.

M SERIES EXTRA HEAVY DUTY GRADE 1 LOCK



Small Format IC
6 or 7 pin

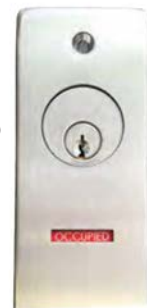


Specification

- ANSI:** Meets ANSI - A156.13, Series 1000, Grade 1 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors, Singles or Pairs
- ADA Compliance:** Meets ADA and ANSI A117.1 accessibility codes with lever trim
- Lock Case:** 2 3/4" Backset with Heavy Gauge Zinc Dichromated Steel
- Levers:** 5" Full Length cast Zinc
- Trim:** 2 1/4" x 8 1/8" Cast Escutcheon or 3" Wrought Brass Roses
- Lever Return:** Independent lever return springs to prevent lever sag
- Trim Attachment:** Thru bolted Lever or Knob trim for increased security
- Handing:** Handed as RHR - Easily Rehandled in the field
- Armored Front:** Wrought Stainless Steel or Brass 1 1/4" x 8"
- Latchbolt:** Stainless Steel 3 Piece Anti Friction with 3/4" projection
- Deadlocking:** Non handed Stainless Steel Deadlatch
- Deadbolt:** 1" Throw, Stainless Steel with a Anti-Saw Pins
- Cylinders & Cam:** C Keyway 6 pin -1 1/4" for Sectional & 1 3/8" for Escutcheon with DH M series cam Prepared for Small format IC core (less core)
- Strikes:** 4 7/8" x 1 1/4" ASA non handed with large rectangular cut out
- Stock Trim & Lever:** Flat Sectional & Flat Escutcheon (all other levers are special order - 6 week lead time)
- Special Order Levers:** Curved, Half Curved, Tubular, Ball Knob (special order - 6 week lead time)
- Stock Finishes:** US26D (all other finishes are special order - 6 week lead time)
- Special Order Finishes:** US3, US4, US10B, US26, US32, US32D (special order - 6 week lead time)
- Electrified Options:** Motor Driven lock/unlock function 12/24 V (AC/DC) Fail Safe/Fail Secure Rex- Request to Exit, LM - Latch Monitor, SM - Security Monitor of latch
- Warranty:** Limited lifetime warranty



M-19 x FS x US260
Privacy Indicator



M-32-IND Escutcheon

M SERIES AVAILABLE FUNCTIONS



Flat Lever
Stocked in US26D



Curved Lever
Special Order



Half Curve Lever
Special Order



Tublar Lever
Special Order



Ball Knob
Special Order

How to Order

Series Function Lever & Trim Finish Handing

M - 20 - FE - USD26D - RHR

Note: Special Order Items have a 6 week leadtime.

Lever & Trim Abbreviations

FE = Flat x Escutcheon	FS = Flat x Sectional
CE = Curved x Escutcheon	CS = Curved x Sectional
HE = Half Curve x Escutcheon	HS = Half Curve x Sectional
TE = Tubular x Escutcheon	TS = Tubular x Sectional
KE = Knob x Escutcheon	KS = Knob x Sectional

Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	M-01	Passage	F01	Latchbolt operated by lever from either side at all times
	M-04 M-04IC	Entry/Office	F04	Latchbolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. When outside lever is locked, latchbolt is retracted by key from outside or by rotating inside lever. - Auxiliary deadlatch
	M-05 M-05IC	Classroom	F05	Latch bolt operated by lever from either side except when outside lever is locked by key in outside cylinder. When outside lever is locked latchbolt may be retracted by key in outside cylinder or rotating inside lever. - Auxiliary dead latch
	M-07 M-07IC	Storeroom	F07	Latchbolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. - Auxiliary deadlatch
	E-M-07 E-M-07IC	Electrified Storeroom Fail Secure	F07	Fail Secure (Power unlock) Outside lever is unlocked when power is applied, and locked when power is removed. Latchbolt operated manually by key outside or by rotating inside lever. Lockset will lock in event of power failure. - Auxiliary deadlatch.
	E-M-07 E-M-07IC	Electrified Storeroom Fail Safe	F07	Fail Safe (Power lock) Outside lever is locked when power is applied and unlocked when power is removed. Latchbolt operated manually by key outside or by rotating inside lever - Auxiliary deadlatch
	M-13 M-13IC	Dormitory	F13	Latch bolt operated by lever from either side except when deadbolt is projected by key from outside or thumbturn from inside. Deadbolt is retracted by key outside or by rotating inside lever which retracts both bolts. (simultaneous retraction)
	M-19 M-19IND	Privacy Privacy w/ Indicator	F19	Latchbolt operated by lever from either side except when deadbolt is projected by thumbturn from inside. Deadbolt is retracted by emergency release outside and by thumbturn inside or rotating inside lever. Indicator option displays Occupied when deadbolt is projected and Vacant when deadbolt is retracted.

M SERIES

STOCK & SPECIAL ORDER FUNCTION



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	M-20 M-20IC	Apartment/ Entry	F20	Latch bolt operated by lever from either side except when outside lever is made inoperative by push button rocker. Deadbolt projected by key from outside and by thumbturn from inside. Deadbolt is retracted by key outside or by rotating inside lever which retracts both bolts. (simultaneous retraction). Auxiliary dead latch
	E-M-30 E-M-30IC	Electrified Institution Fail Safe		Fail Safe (Power lock) Outside and inside levers are locked when power is applied and unlocked when power is removed.
	M-32 M-32IC	Intruder Classroom w/ Indicator	F32	Latchbolt operated by lever from either side except when outside lever is locked by key from inside or outside. When outside lever is locked latchbolt is retracted by key from inside or outside or by operating inside lever - Indicator on both sides shows lock status. Auxiliary deadlatch
	M-41	Single Dummy	F41	Single dummy trim for one side of door, surface mounted. Lever rigid. No lock case.
	M-42	Double Dummy	F42	Double Dummy trim for both sides of the door. Surface mounted levers both rigid. No lock case.

Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description (Special Order Functions – 4 week lead time)
	M-16 M-16IC	Double Cyl. Deadlock	F16	Deadbolt operated by key from either side.
	M-17 M-17IC	Single Cyl. Deadlock	F17	Deadbolt projected and retracted by key outside or by thumbturn inside.
	M-18 M-18IC	Single Cyl. Deadlock	F18	Deadbolt projected and retracted by key outside only. No thumbturn inside.
	M-29 M-29IC	Classroom Single Cyl. Deadlock	F29	Deadbolt projected by key outside. Deadbolt is retracted by key outside or by thumbturn inside. Inside thumbturn does not project deadbolt.
	M-30 M-30IC	Institution	F30	Latchbolt operated by key from either side, 80th levers always Inoperative. -Auxiliary deadlatch (Double Cylinder)
	M-31	Exit	F31	Latch bolt operated by lever from inside. No lever outside. -Auxiliary deadlatch

X SERIES HEAVY DUTY GRADE 1 LOCK



Small Format IC
6 or 7 pin



Specification

- ANSI:** Meets ANSI - A156.2, Series 4000, Grade 1 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- ADA Compliance:** Meets ADA and ANSI A117.1 accessibility codes
- Lock Chassis:** Steel, Zinc dichromated for corrosion resistance
- Clutching:** Clutching levers standard for vandal resistance on locking functions
- Trim:** 5" Solid zinc diecast levers, 3 3/8" wrought brass roses
- Lever Return:** Anti-sag mechanism with independent lever return springs to prevent lever sag
- Handing:** Non-handed - Completely reversible (S-A & S-B lever styles are handed)
- Backset & Latchface:** 2 3/4" backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset is available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled edge doors
- Latchbolt:** Stainless Steel with 1/2" projection, Deadlocking on keyed functions & exit latch
- Cylinder Options:** 6 Pin Brass, C Kwy, with 2 Keys std, Prepared for Small format IC core (less core)
- Strikes:** 4 7/8" x 1 1/4" ASA standard - T strike & Full lip strikes available
- Door Preparation:** ANSI A115.2 - 2 1/8" crossbore with (2) 3/8" thru bolt holes
- Door Thickness:** Factory Set for 1 3/4" - 1 3/8" require shims, can be adjusted to fit up to 2" thick
- Lever Designs:** Flat (standard, shown above), Curved, Half Curved, S-A & S-B
- Standard Finishes:** US3 PVD*, US4, US10B, US15, US26 PVD*, US26D (PVD = Lifetime Finish)
- Marine Grade Option:** Marine Grade 316 Stainless steel lever and rose cover upgrade available
- Fasteners:** Combination screws for wood or metal doors & frames
- Warranty:** Limited lifetime warranty

X SERIES AVAILABLE FUNCTIONS



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	X-61	Connecting Room/Exit Latch	F61	Deadlocking latchbolt operated by lever from inside only. Blank plate outside.
	X-75	Passage	F75	Latchbolt operated by lever from either side at all times.
	X-76	Privacy	F76	Latchbolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
	X-82 X-82IC	Entry/Office	F82	Turn/ Push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Pushing button locks outside lever until unlocked with key or inside lever is turned. Deadlocking latchbolt operated by inside lever at all times.
	X-84 X-84IC	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside with key. When outside lever is locked, Latchbolt is operated by key in outside lever or by rotating inside lever.
	X-110 X-110IC	Classroom Intruder	F110	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside or inside with key. When outside lever is locked latchbolt is operated by key in outside lever or by rotating inside lever. Inside lever is always unlocked .
	X-86 X-86IC	Storeroom	F86	Deadlocking latchbolt operated by key in outside lever or rotating inside lever. Outside lever is always locked.
	X-87 X-87IC	Institutional	F87	Deadlocking latchbolt operated by key from either side. Both levers are always locked.
	X-90 X-90IC	Dormitory/ Corridor	F90	Deadlocking latchbolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button inside. Key in outside lever locks or unlocks outside lever. Unlocked by rotating inside lever, closing door or key in outside lever. Deadlocking latchbolt operated by inside lever at all times.
	X-DD	Double Dummy (surface mounted)		Double dummy trim for both sides of the door. Levers rigid.
	X-SD	Single Dummy (Surface mounted)		Single dummy trim for one side of door. Lever rigid.

X SERIES LEVER STYLES & FINISHES



Available Lever Styles



Flat Lever
Stocked in US26D



SFIC Stocked in US26D



Curved Lever
Stocked in US26D



SFIC Stocked in US26D



Half Curved Lever
Stocked in US26D



SFIC Stocked in US26D



S-A Lever



S-B Lever

Stock Finishes



US3*	Bright/Polished Brass *PVD
US4	Brushed/Satin Brass
US10B	Oil Rubbed Bronze
US26*	Bright/Polished Chrome *PVD
US26D	Brushed/Satin Chrome
US15	Brushed/Satin Nickel
US32D	316 Marine Grade Stainless Steel

*PVD Lifetime Finish Standard on US3 and US26 finishes
PVD = Physical Vapor Deposition

Stock Finishes

Series	Function	Lever Design	Finish	Handing (if required)
X	-	82	-	F - US26D - RH

Lever Abbreviations
F = Flat
C = Curved
H = Half Curved
S-A = S-A
S-B = S-B

Note: Non stock levers available with added lead time.
S-A and S-B levers are handed please specify right or left hand.

D1 SERIES EXTRA HEAVY DUTY DEADBOLT



2" ADA Approved Thumbturn with
1/8" Steel Mounting Plate



Specification

ANSI: Meets ANSI - A156.2, Grade 1 Standards

UL Listings: UL Listed for "A" Label 3 Hour Fire Doors

ADA Compliance: 2" ADA Thumbturn Meets ADA & ANSI A117.1 accessibility codes

Lock Chassis: Steel, Zinc dichromated for Corrosion Resistance
Steel Security Shield included to protect bolt from ice pick attack through door

Trim: Free spinning Solid Steel cylinder collar resists wrenching and prying

Handing: Non-Handed - Completely reversible

Backset & Latchface : 2 3/4" fixed backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled doors

Latchbolt: Solid Brass with 1" Throw & Anti-Saw Hardened Steel Pin Insert

Cylinder Options: 6 Pin Brass, C Kwy, with 2 Keys std, Prepared for Small format IC core (less core)
Prepared for Schlage Large Format IC core (less core)

Strike: 1 1/8" x 2 3/4" Square corner, Wood Frame Reinforcer & 3" screws also included

Door Preparation : ANSI A115.2 - 2 1/8" crossbore on doors

Door Thickness: 1 3/4" thick doors

Standard Finishes : US3 PVD*, US10B, US15, US26 PVD*, US26D (PVD= Lifetime Finish)

Fasteners: Combination screws for wood or metal doors & frames

Warranty: Limited Lifetime Warranty

D1 SERIES FUNCTIONS & OPTIONS



Standard Cylinder



D1-S Single Cylinder
D1-D Double Cylinder
D1-S-CL Single Cyl. Classroom
D1-S-BP Single Cyl. x Blank Plate

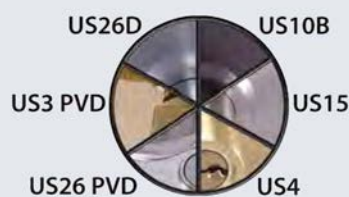
Prepared for IC Core



D1-S-IC Single Cylinder
D1-D-IC Double Cylinder
D1-S-IC-CL Single Cyl. Classroom
D1-S-IC-BP Single Cyl. x Blank Plate

Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	D1-S D1-S-IC	Single Cyl.	E21511	Deadbolt thrown or retracted by key from outside or by inside thumbturn. Bolt automatically deadlocks when thrown.
	D1-D D1-D-IC	Double Cyl.	E21411	Deadbolt thrown or retracted by key from either side. Bolt automatically deadlocks when fully thrown.
	D1-S-CL D1-S-IC-CL	Single Cyl. Classroom	E01711	Deadbolt thrown or retracted by key from outside. Inside thumbturn will retract bolt only and cannot throw bolt. Bolt automatically deadlocks when fully thrown.
	D1-S-BP D1-S-IC-BP	Single Cyl. x Blank Plate	E01611	Deadbolt thrown or retracted by key only. Blank plate inside. Bolt automatically deadlocks when fully thrown.

Stock Finishes



US3*	Bright/Polished Brass *PVD
US4	Brushed/Satin Brass
US10B	Oil Rubbed Bronze
US26*	Bright/Polished Chrome *PVD
US26D	Brushed/Satin Chrome
US15	Brushed/Satin Nickel

*PVD Lifetime Finish Standard on US3 and US26 finishes
PVD = Physical Vapor Deposition

How to Order

Series Function Finish
D1 - S-SFIC - US26D

Function Codes

S = Single Cylinder
D = Double Cylinder
SFIC = Prepared for Small Format IC
SLFIC = Prepared for Schlage Large Format IC
CL = Classroom Function
BP = Blank Plate
T = Thumbturn

J SERIES HEAVY DUTY GRADE 2 LEVER LOCK



(Thru Bolted)












Specification

- ANSI:** Meets ANSI - A156.2, Grade 2 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- ADA Compliance:** Meets ADA and ANSI A117.1 accessibility codes
- Lock Chassis:** Steel, Zinc dichromated for Corrosion Resistance
- Trim:** 5" Solid zinc diecast levers, 3 3/8" wrought brass roses
- Lever Return:** Anti-sag mechanism with independent lever return springs to prevent lever sag
- Handing:** Non-Handed - Completely reversible (S-A & S-B lever styles are handed)
- Backset & Latchface:** 2 3/4" backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset is available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled edge doors
- Latchbolt:** Stainless Steel with 1/2" projection, Deadlocking on keyed functions & exit latch
- Cylinder Options:** 6 Pin Brass, C Kwy, with 2 Keys or Prepared for Small format IC core (less core)
- Strikes:** 4 7/8" x 1 1/4" ASA standard -T strike & Full lip strikes available
- Door Preparation:** ANSI A115.2 - 2 1/8" crossbore with (2) 3/8" Thru bolt holes
- Optional Thru Bolts:** Removable Thru Bolts - Can be installed without thru bolts
- Door Thickness:** Factory Set for 1 3/4" - can be adjusted to fit 1 3/8" up to 2" thick
- Standard Lever Design:** Flat (standard - stocked in US26D and US10B)
- Other Lever Choices:** Curved, Half Curved, S-A & S-B
- Standard Finish:** US26D & US10B (in stock in flat lever)
- Special Order Finishes:** US3 PVD*, US4, US15, US26 PVD* (PVD = Lifetime Finish)
- Fasteners:** Combination screws for wood or metal doors & frames
- Warranty:** Limited Lifetime Warranty

J SERIES AVAILABLE FUNCTIONS



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	J-61	Connecting Room/ Exit Latch	F61	Deadlocking latchbolt operated by lever from inside only. Blank plate outside.
	J-75	Passage	F75	Latchbolt operated by lever from either side at all times
	J-76	Privacy	F76	Latchbolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
	J-82 J-82IC	Entry/Office	F82	Turn/ Push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Pushing button locks outside lever until unlocked with key or Inside lever is turned. Deadlocking latchbolt operated by Inside lever at all times.
	J-84 J-84IC	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside with key. When outside lever is locked, Latchbolt is operated by key in outside lever or by rotating inside lever .
	J-86 J-86IC	Storeroom	F86	Deadlocking latchbolt operated by key in outside lever or rotating inside lever. Outside lever is always locked.
	J-87 J-87IC	Institutional	F87	Deadlocking latchbolt operated by key from either side. Both levers are always locked.
	J-90 J-90IC	Dormitory/ Corridor	F90	Deadlocking latchbolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button inside. Key in outside lever locks or unlocks outside lever. Unlocked by rotating inside lever, closing door or key in outside lever. Deadlocking latchbolt operated by inside lever at all times.
	J-SD	Single Dummy (surface mounted)		Single dummy trim for one side of door. Lever rigid

J SERIES LEVER STYLES & FINISHES



Available Lever Styles



Flat Lever
Stocked in US26D &
US10B



Curved Lever
Stocked in US26D



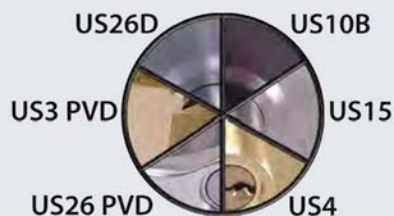
Half Curved Lever
Stocked in US26D



S-A Lever
Special Order



S-B Lever
Special Order



Stock Finishes

US10B	Oiled Rubbed Bronze
US26D	Brushed/Satin Chrome

Special Order Finishes

US3 PVD*	Bright/Polished Brass
US4	Brushed/Satin Brass
US15	Brushed/Satin Nickel
US26 PVD*	Bright/Polished Chrome

*PVD Lifetime Finish Standard on US3 and US26 finishes

PVD = Physical Vapor Deposition

*Special order finishes require 2 week leadtime

How to Order

Series	Function	Lever Design	Finish	Handing (if required)
J	- 82	- F	- US26D	- RH

Lever Abbreviations

F = Flat
C = Curved
H = Half Curved
S-A = S-A
S-B = S-B

Note: Non stock levers available with added lead time.
S-A and S-B levers are handed please specify right or left hand.

V SERIES STANDARD DUTY GRADE 2 LEVER LOCK



Specification

- ANSI:** Meets ANSI - A156.2, Series 4000, Grade 2 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- ADA Compliance:** Meets ADA and ANSI A117.1 accessibility codes
- Lock Chassis:** Steel, Zinc dichromated for Corrosion Resistance
- Clutching** Clutching levers standard for Vandal Resistance on locking functions
- Trim:** 5" Solid zinc diecast levers, 3" wrought brass roses (will not cover thru bolt holes)
- Lever Return:** Anti-sag mechanism with independent lever return springs to prevent lever sag
- Handing:** Non-Handed - Completely reversible (S-A & S-B lever styles are handed)
- Backset & Latchface:** 2 3/4" backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset is available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled edge doors
- Latchbolt:** Stainless Steel with 1/2" projection, Deadlocking on keyed functions
- Cylinder Options:** 6 Pin Brass, C Kwy, 2 keys std or Prepared for Small format IC (less core)
- Strikes:** 4 7/8" x 1 1/4" ASA (standard) - 2 3/4" T strike & Full lip strike w/ 1/4" R.C available
- Door Preparation:** ANSI A115.2 - 2 1/8" crossbore
- Standard Lever Design:** Flat, Curved & Half Curved
- Other Lever Choices:** S-A & S-B levers available (2 week lead time)
- Standard Finishes:** US26D & US10B (in stock in Flat lever) - US26D (in stock in Curved & Half curved lever)
- Special Order Finishes:** US3 PVD*, US4, US15, US26 PVD* (PVD = Lifetime Finish) (2 week lead time)
- Fasteners:** Combination screws for wood or metal doors & frames
- Warranty:** Limited Lifetime Warranty

V SERIES AVAILABLE FUNCTIONS



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	V-61	Connecting Room/ Exit Latch	F61	Deadlocking latch bolt operated by lever from inside only. Blank plate outside.
	V-75	Passage	F75	Latchbolt operated by lever from either side at all times
	V-76	Privacy	F76	Latch bolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
	V-82 V-82IC	Entry/Office	F82	Turn/ Push button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked. Pushing button locks outside lever until unlocked with key or inside lever is turned. Deadlocking latchbolt operated by Inside lever at all times.
	V-84 V-84IC	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside with key. When outside lever is locked, Latchbolt is operated by key in outside lever or by rotating inside lever .
	V-86 V-86IC	Storeroom	F86	Deadlocking latch bolt operated by key in outside lever or rotating inside lever. Outside lever is always locked.
	V-87 V-87IC	Institutional	F87	Deadlocking latch bolt operated by key from either side. Both levers are always locked.
	V-90 V-90IC	Dormitory/ Corridor	F90	Deadlocking latchbolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button inside. Key in outside lever locks or unlocks outside lever. Unlocked by rotating inside lever, closing door or key in outside lever. Deadlocking latchbolt operated by inside lever at all times.
	V-DD	Double Dummy (surface mounted)		Double dummy trim for both sides of the door. Levers rigid
	V-SD	Single Dummy (surface mounted)		Single dummy trim for one side of door. Lever rigid

V SERIES LEVER STYLES & FINISHES



Available Lever Styles



Flat Lever
Stocked in US26D &
US108



Curved Lever
Stocked in US26D



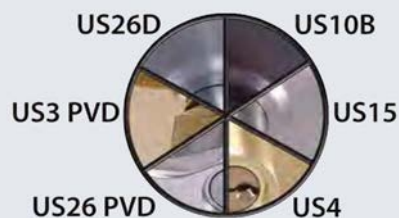
Half Curved Lever
Stocked in US26D



S-A Lever
Special Order



S-B Lever
Special Order



Stock Finishes

US10B	Oiled Rubbed Bronze
US26D	Brushed/Satin Chrome

Special Order Finishes

US3 PVD*	Bright/Polished Brass
US4	Brushed/Satin Brass
US15	Brushed/Satin Nickel
US26 PVD*	Bright/Polished Chrome

*PVD Lifetime Finish Standard on US3 and US26 finishes

PVD = Physical Vapor Deposition

*Special order finishes require 2 week leadtime

How to Order

Series	Function		Lever Design		Finish		Handing (if required)	
V	-	82	-	F	-	US26D	-	RH

Lever Abbreviations

F = Flat
C = Curved
H = Half Curved
S-A = S-A
S-B = S-B

Note: Non stock levers available with added lead time.
S-A and S-B levers are handed please specify right or left hand.

I SERIES INTERCONNECTED LEVER LOCK



Inside View of Escutcheon



Specification

- ANSI:** Meets ANSI - A156.12, Series 4000, Grade 2 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- ADA Compliance:** Meets ADA and ANSI A117.1 accessibility codes
- Inside Linkage Plate:** Inside lever retracts both deadbolt and latch bolt simultaneously
- Chassis:** Steel, Zinc dichromated for Corrosion Resistance
- Lever Trim:** 5" solid zinc diecast levers & 3" wrought brass rose outside
- Inside Escutcheon :** 3" x 8" Wrought brass escutcheon inside with 1/2" projection
- Deadbolt Trim:** Free spinning cylinder collar resists wrenching and prying
- Lever Return:** Anti-sag mechanism with independent lever return springs to prevent lever sag
- Handing:** Non-Handed - Completely reversible (S-A & S-B lever styles are handed)
- Backset & Latchface:** 2 3/4" backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset is available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled edge doors
- Lever Lock Latchbolt:** Stainless Steel with 1/2" projection, Deadlocking on double locking functions
- Deadbolt Latchbolt:** Grade 1 Solid Brass with 1" Throw & Anti-Saw Hardened Steel Pin Insert
- Cylinder Options:** 6 Pin C Keyway or Prepared for Small format IC core (less core)
- Strikes:** 2 3/4" T strike & Full lip strike w/ 1/4" R.C. x Standard Deadbolt strike
- Door Preparation:** (2) ANSI A115.2 - 2 1/8" crossbore @ 4" CTC
- Door Thickness:** Factory Set for 1 3/4", can be adjusted to fit 1 3/8" to 2" thick doors
- Standard Lever Design:** Flat (standard, shown above) (stocked in US26D)
- Other Lever Choices:** Curved, Half Curved, S-A & S-B levers with 2 week lead time
- Standard Finishes:** US26D (in stock)
- Special Order Finishes** US3 PVD*, US4, US10B, US15, US26 PVD* (PVD = lifetime Finish) (2 week lead time)
 - Fasteners:** Combination screws for wood or metal doors & frames
 - Warranty:** Limited Lifetime Warranty

I SERIES FUNCTIONS & OPTIONS



Flat Lever
Stocked in US26D



Curved Lever
Special Order



Half Curve Lever
Special Order



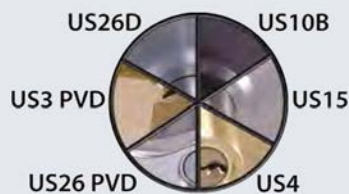
S-A Lever
Special Order



S-B Lever
Special Order

Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	I-75 I-75IC	Passage Single Locking.	F95	Deadbolt is thrown or retracted by key in upper deadbolt cylinder from outside or by thumb turn inside. Latchbolt is retracted by rotating lever from either side. Rotating inside lever retracts both deadbolt and latchbolt simultaneously.
	I-75-IND	Privacy Indicator		Deadbolt is thrown or retracted by key in upper deadbolt cylinder from outside or by thumb turn inside. Latchbolt is retracted by rotating lever from either side. Rotating inside lever retracts both deadbolt and latchbolt simultaneously.
	I-82 I-82IC	Entry Double Locking	F97	Deadbolt is thrown or retracted by key in upper deadbolt cylinder from outside or by thumb turn inside. Deadlatch is retracted by key in outside lever when locked by pushing push button in inside lever. Outside lever may be fixed in locked position by pushing and rotating turn button. Rotating inside lever retracts deadbolt and deadlatch simultaneously.

Stock Finishes



US26D Brushed/Satin Chrome

Special Order Finishes

US3 PVD* Bright/Polished Brass
US4 Brushed/Satin Brass
US10B Oil Rubbed Bronze
US15 Brushed/Satin Nickel
US26 PVD* Bright/Polished Chrome

*PVD Lifetime Finish Standard on US3 and US26 finishes

PVD = Physical Vapor Deposition

*Special order finishes require 12 week leadtime

How to Order

Series Function Lever Design Finish Handing (if required)

I - 82 - F - US26D - RH

Lever Abbreviations

F = Flat
C = Curved
H = Half Curved
S-A = S-A
S-B = S-B

Note: Non stock levers available with added lead time.
S-A and S-B levers are handed please specify right or left hand.

D2 SERIES HEAVY DUTY DEADBOLT



2" ADA Approved Thumb Turn with
3/32" Steel Mounting plate



Specification

ANSI: Meets & Exceeds ANSI - A 156.2, Grade 2 Standards

UL Listings: UL Listed for "A" Label 3 Hour Fire Doors

ADA Compliance: 2" ADA Thumbturn Meets ADA & ANSI A117. 1 accessibility codes

Lock Chassis: Steel, Zinc dichromated for corrosion resistance

Trim: Free spinning cylinder collar resists wrenching and prying

Handing: Non-handed - Completely reversible

Backset & Latchface : 2 3/4" fixed backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled doors

Latchbolt: Grade 1 Solid Brass with 1" Throw & Anti-Saw Hardened Steel Pin Insert

Cylinder Options: 6 Pin Brass, C Kwy, with 2 Keys std, Prepared for Small format IC core (less core)

Strike: 1 1/8" x 2 3/4" Square corner

Door Preparation : ANSI A115.2 - 2 1/8" crossbore

Door Thickness: 1 3/4" thick doors

Standard Finishes : US3 PVD*, US4, US10B, US15, US26 PVD*, US26D (PVD = Lifetime Finish)

Fasteners: Combination screws for wood or metal doors & frames

Warranty: Limited lifetime warranty

D2 SERIES FUNCTIONS & OPTIONS



Standard Cylinder



D2-S Single Cylinder
D2-D Double Cylinder
D2-S-CL Single Cyl. Classroom
D2-S-BP Single Cyl. x Blank Plate

Prepared for IC Core



D2-S-IC Single Cylinder
D2-D-IC Double Cylinder
D2-S-IC-CL Single Cyl. Classroom
D2-S-IC-BP Single Cyl. x Blank Plate

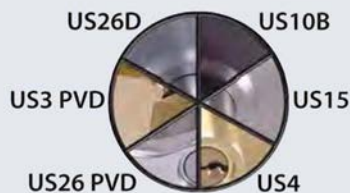
Non Keyed



D2-BP-T Blank Plate x Thumbturn
D2-IND Indicator x Thumbturn

Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	D2-S D2-S-IC	Single Cyl.	E21522	Deadbolt thrown or retracted by key from outside or by inside thumbturn. Bolt automatically deadlocks when thrown.
	D2-D D2-D-IC	Double Cyl.	E21412	Deadbolt thrown or retracted by key from either side. Bolt automatically deadlocks when fully thrown.
	D2-S-CL D2-S-IC-CL	Single Cyl. Classroom	E01712	Deadbolt thrown or retracted by key from outside. Inside thumbturn will retract bolt only and cannot throw bolt. Bolt automatically deadlocks when fully thrown.
	D2-BP-T	Single Cyl. x Blank Plate	E01112	Deadbolt thrown or retracted by thumbturn only. Outside blank plate. Bolt automatically deadlocks when fully thrown.
	D2-S-BP D2-S-IC-BP	Single Cyl. x Blank Plate	E01622	Deadbolt thrown or retracted by key only. Blank plate inside. Bolt automatically deadlocks when fully thrown.
	D2-IND	Indicator x Thumbturn		Deadbolt thrown or retracted by thumbturn only. Outside indicator "IN USE/VACANT". Bolt automatically deadlocks when fully thrown.

Stock Finishes



US3*	Bright/Polished Brass *PVD
US4	Brushed/Satin Brass
US108	Oil Rubbed Bronze
US26D	Brushed/Satin Chrome
US15	Brushed/Satin Nickel

*PVD Lifetime Finish Standard on US3 and US26 finishes.
PVD = Physical Vapor Deposition

How to Order

Series Function Finish

D2 - S-IC-CL - US26D

Function Codes

S = Single Cylinder
D = Double Cylinder
IC = Prepared for IC Cores
CL = Classroom Function
BP = Blank Plate
T = Thumbturn

K2 SERIES STANDARD DUTY GRADE 2 LOCK



Specification

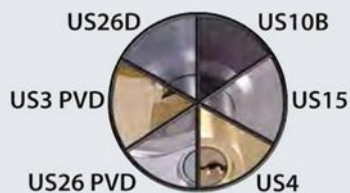
- ANSI:** Meets ANSI - A156.2 , Series 4000 , Grade 2 Standards
- UL Listings:** UL Listed for "A" Label 3 Hour Fire Doors
- Lock Chassis:** Steel, Zinc dichromated for corrosion resistance
- Trim:** 2" wrought brass knob, 3" wrought brass roses, 3" projection
- Handing:** Non-handed - Completely reversible
- Backset & Latchface :** 2 3/4" backset std. with 1 1/8" x 2 1/4" latchface, 2 3/8" backset is available with 1" x 2 1/4" latchface both with self adjusting front for square or beveled edge doors
- Latchbolt:** Stainless Steel with 1/2" projection, Deadlocking on keyed functions
- Cylinder Options:** 6 Pin Brass, C Kwy, with 2 Keys standard
- Strike:** 4 7/8" ASA standard, 2 3/4" T strike & Full lip strike available
- Door Preparation :** ANSI A115.2 - 2 1/8" crossbore
- Door Thickness:** Factory Set for 1 3/4", can be adjusted to fit 1 3/8" to 2" thick doors
- Standard Trim Design:** Ball Knob
- Standard Finishes :** US3 PVD*, US10B, US26D, US26 PVD* (PVD= Lifetime Finish)
- Fasteners:** Combination screws for wood or metal doors & frames
- Warranty:** Limited lifetime warranty

K2 SERIES FUNCTIONS & OPTIONS



Outside/ Inside	Series/ Function	Type	ANSI No.	Function Description
	K2-75	Passage	F75	Latchbolt operated by knob from either side at all times.
	K2-76	Privacy	F76	Latchbolt operated by knob from either side. Outside knob is locked by push button inside and unlocked by emergency release outside, rotating inside knob or closing door.
	K2-82	Entry/Office	F82	Turn/Push button locking. Pushing and turning button locks outside knob requiring use of key until button is manually unlocked. Pushing button locks outside knob until unlocked with key or inside knob is turned. Deadlocking latchbolt operated by inside knob at all times.
	K2-84	Classroom	F84	Deadlocking latch bolt operated by knob from either side except when outside knob is locked from outside by key. When outside knob is locked, latchbolt is operated by key in outside knob or by rotating inside knob.
	K2-86	Storeroom	F86	Deadlocking latchbolt operated by key in outside knob or rotating Inside knob. Outside knob is always locked.
	K2-SD	Single Dummy		Single dummy trim for one side of the door. Knob is rigid.

Stock Finishes



US3 PVD*	Bright/Polished Brass
US10B	Oil Rubbed Bronze
US26 PVD*	Bright/Polished Chrome
US26D	Brushed/Satin Chrome

†PVD Lifetime Finish Standard on US3 and US26 finishes.
PVD = Physical Vapor Deposition

How to Order

Series	Function	Knob Design	Finish
K2	- 82	- B	- US26D

Knob Abbreviations
B=Round Ball Knob

IC CORE

IC CORES, LOCKS AND HOUSINGS



Z Series prepared for Ic core



6 pin IC cores



7 pin IC cores

Specification

Pins: 6 or 7 pin individually capped pin chambers

Finishes: US26D & US4

Base Material: Solid Brass

Keying: GGMK, GMK, MK, KA, KD

Construction Keying: Construction cores & Plastic construction T turns available

Lock Series: M, X, J, V, I, D1, D2 series & Exit Device Trims

Cylinders: Rim cylinder & Mortise cylinder housings with screw on cams



X Series prepared for IC core



D1 or D2 Series prepared for IC core



M Series prepared for IC core



Mortise & Rim Cylinder Housings

1000 SERIES HEAVY DUTY RIM EXIT DEVICE



US4



Specification

- ANSI:** Meets ANSI - A156.3 - Grade 1 Standards
- UL Listings:** UL Listed for Panic Exit Hardware
- (Optional) Fire Rating:** UL Listed for "A" Label 3 Hour Fire Doors (no dogging on rated devices)
- ADA:** Meets ADA requirements ANSI A117.1 with Lever Trim
- Handing:** Non Handed • Completely Reversible
- Construction:** Heavy Duty Extruded Anodized Aluminum Channel & Steel Chassis
- Finishes:** US3, US4 , US10B, US26 & US32D on Headcover, Pushbar & End Cap
- Marine Grade:** Marine Grade 316 Stainless Steel option available
- Latchbolt:** Deadlocking latchbolt with 5/8" projection
- Strike:** Roller Strike with 5/8" projection & 1/8" shim
- Dogging:** 5/32" Hex Key Dogging Standard on Panic Exit Hardware only
- Cylinder Dogging:** Cylinder Dogging Kits available for new or existing exit devices
- Device Lengths:** 33" for 3'-0" wide doors and 42" for 3'-8" to 4'-0" wide doors
- Min. Door Width:** 33" device can be cut down to fit on 2'-8" wide door
42" device can be cut down to fit on 3'-4" wide door
- Center Case Dim.:** 8" Height x 2 7/8" Wide x 2 13/16" Thick - 4 1/2" Minimum stile required
- Mechanism Case Dim.:** 2 3/16" Height x 2 3/16" Wide
- Projection:** 3 3/8" Undogged • Pushbar Neutral & 2 13/16" Dogged • Pushbar Depressed
- Fasteners:** Wood, Machine & Self Tapping Machine Screws (F1000R includes thru bolts)
- Trim & Accessories:** ASA & latch fillers included, Exterior Trims, Shim Kits & other accessories available
- Alarmed Exits:** Exit Alarm Kit ALK-1000 available for new or existing devices
- Electrification:** ELR • Motorized Electric latch retraction, ED• Electric dogging, REX• Request to exit, LBM - Latch bolt monitoring available, See electrified section
- Warranty:** Limited Lifetime Warranty



1000R/F1000R TRIM & ACCESSORIES



Exit Device Trims

Lever Escutcheon



LE-08

Entry

LE-08A

Passage

LE-02DT

Dummy

LE Trim Finishes: US3, US4, US10B, US26, US32D.
Curved lever also available in all finishes

Key In Lever Trims



KIL Entry



KIL Storeroom



KIL Passage

KIL Trim Finishes: US3, US4, US10B, US26, US26D
Curved, Half Curved, S-A & S-B Lever styles available

Pull Trims



2P-03NL

Night Latch



2P-02DT

Dummy



TP-08

Entry



TP-08A

Passage
US32D Only



TP-02DT

Dummy



DFP-03NL

Night
Latch



DFP-02DT

Dummy



FP-03NL

Night Latch
US32D Only



KIK Passage



KIK Storeroom



KIK Entry

Key In Knob
US26D only

Thumbpiece Trims

Finger Pull Trims

Strikes, Parts & Accessories



Roller Strike & Shim



Double Door Strike



Thru Bolts - 6pk



1/8" Shim Kit



ASA Filler Plate

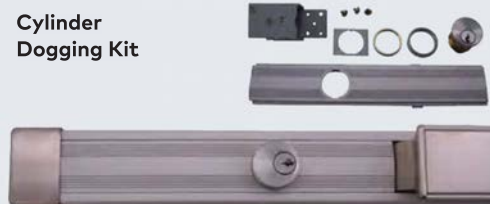


Latch Bolt Filter Plate

Exit Alarm Kit ALK-1000



Cylinder Dogging Kit



1000 SERIES HEAVY DUTY SVR EXIT DEVICE



Specification

- ANSI:** Meets ANSI A156.3 - Grade 1 Standards
- UL Listings:** Panic Exit, 3 Hr Fire Doors to 8'-0" x 10'-0" & LBR up to 8'-0" x 8'-0"
- ADA:** Meets ADA requirements ANSI A117.1 with Lever Trim
- Handing:** Easily Re-handed in the field - Shipped as RHR
- Construction:** Heavy Duty Extruded Anodized Aluminum Channel & Steel Chassis
- Finishes:** US3, US4, US10B, US26, US32D on Headcover, Pushbar, Endcap & Latches
- Marine Grade:** Marine Grade 316 Stainless Steel option available
- Top Latch:** U Shaped Top Latch for Secure Engagement with strike (not electric strike compatible)
- Bottom Latch:** Drop Bolt Style Bottom Latch Secures into flat strike & hole in the floor
- Dogging:** 5/32" Hex Key Dogging Standard on Panic Exit Hardware
- Cylinder Dogging:** Cylinder Dogging Kits available for new or existing exit devices
- Device Lengths:** 33" for 3'-0" wide doors and 42" for 3'-8" to 4'-0" wide doors
- Min. Door Width:** 33" device can be cut down to fit on 2'-8" wide door
42" device can be cut down to fit on 3'-4" wide door
- Door Heights:** 7'-0" Standard - Extended Top Rods available for up to 10'-0" tall doors
- Center Case Dim:** 8" Height x 2 7/8" Wide x 2 13/16" Thick - 4 1/2" Minimum stile required
- Mechanism Case Dim:** 2 3/16" Height x 2 3/16" Wide
- Projection:** 3 3/8" Undogged - Pushbar Neutral & 2 13/16" Dogged - Pushbar Depressed
- Fasteners:** Wood, Machine & Self Tapping Machine Screws (F1000V includes thru bolts)
- Trim & Accessories:** Latch filler included, Exterior Trims, Shim Kits & other accessories available
- Electrified Options:** ELR – Motorized Electric latch retraction, ED – Electric dogging, REX – Request to exit, LBM – Latch bolt monitoring available, See electrified section
- Under Cut:** 1/4" door under cut recommended for 1/4" threshold or no threshold openings
- Warranty:** Limited Lifetime Warranty

1000V/F1000V TRIM & ACCESSORIES



SVR Exit Device Trims

Lever Escutcheon Trims



LE-08

Entry



LE-08A

Passage



LE-02DT

Dummy

LE Trim Finishes: US3, US4, US10B, US26, US32D.
Curved lever also available in all finishes

Strikes, Parts & Accessories



Top Strike



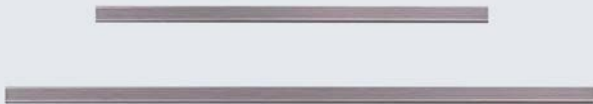
Flat Bottom Strike



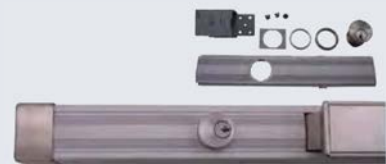
Thru Bolts - 12pk



1/8" Shim Kit



Top Rods for 8'-0" or 10'-0" Tall



Cylinder Dogging Kit

CD-1000 CYLINDER DOGGING KIT



Specification

- Part Numbers:** CD-1000 33" for standard length devices & CD-1000 42" for long devices
- Application** Cylinder Dogging Kits are used to convert 1000 series devices from standard hex key dogging to key controlled dogging thru a mortise cylinder
- Operation** Cylinder dogging allows the push bar to be locked down using a key so the exit device can operate in push/pull mode to extend the life of the device
- Non Rated:** For all 1000 series Rim & SVR non fire rated exit devices
- Handing:** Non-handed
- Included Parts:** New Slide Cover, Cylinder Dogging Assembly, Mortise Cylinder, Cylinder Collar, Back Plate & Cylinder Retaining Ring
- Cylinders:** 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys
1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)
- Finishes:** US3, US4, US10B, US26, US32D
- Warranty** Limited lifetime warranty

ALK-1000 EXIT ALARM KIT

The 1000 Series Exit Alarm Kit is a retrofit kit used to help prevent unauthorized use of an emergency exit door



Specification

- Application** 1000 series rim exit devices, panic or fire rated
- Operation:** Alarm is armed/disarmed by turning key in the mortise cylinder
LED flashes green every 30 seconds to indicate alarm is in armed position
Alarm is activated when push bar is depressed
- Bypass** Alarm can be bypassed by trim/key from the outside
- Battery** 9 Volt battery included, life approximately 1 year - Low battery alert indicated by red flash & chirp every 5 seconds
- Decibel Rating:** Approximately 90 decibels at 15 feet
- Part Numbers:** ALK-1000 33" for standard length devices & ALK-1000 42" for long devices
- Included Parts:** New Slide Cover with LED indicator, Alarm Board, Mounting Plate, Mortise Cylinder, Cylinder Collar, Back Plate, Cylinder Retaining Ring
9 Volt Battery, "Emergency Exit" Sticker for touchpad or door face
- Cylinders:** 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys
1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)
- Finishes:** US3, US4, US10B, US26, US32D
- Warranty:** Limited lifetime warranty

1000 SERIES SHIM KITS



1000V/F1000V Shim Kit



1000R/F1000R Shim Kit

Specification

- Base Material :** Zinc plated steel
- Dimensions:** 1/8" Thick, the kits can be stacked for thicker shimming
- Application:** Kits for 1000 series rim or surface vertical rod exit devices, panic or fire rated
Used for doors with light kits that prevent the device from mounting flush
- Handing:** Non-handed
- Included Parts:** Rim kit includes shim for head and end cap.
SVR kit includes shim for head, end cap, latches and rod guides
- Festeners:** Extended mounting screws included
- Finishes:** Silver zinc plated for US32D and US26,
Dark Bronze for US10B & Gold for US3 and US4
- Warranty:** Limited lifetime warranty

2000 SERIES STANDARD DUTY RIM EXIT DEVICE



AL Painted



Specification

ANSI: Meets ANSI A156.3 - Grade 1 Standards

UL Listings: UL Listed for Panic Exit Hardware
UL Listed for "A" Label 3 Hour Fire Doors

ADA: Meets ADA requirements ANSI A117.1 with Lever Trim

Handing: Non-handed - Completely Reversible

Construction: Roll Formed Steel or Stainless Steel Channel & Steel Chassis
Steel or Stainless Steel Headcover & End Cap

Finishes: Aluminum, Dark Bronze, Gold Painted & US32D

Latchbolt: Deadlocking latchbolt with 5/8" projection

Strike: Roller Strike with 5/8" projection with 1/8" shim

Dogging: 5/32" Hex Key Dogging Standard on Panic Exit Hardware

Device Lengths: 33" for 3'-0" wide doors and 42" for 3'-8" to 4'-0" wide doors

Min. Door Width: 33" device can be cut down to fit on 2'-8" wide door
42" device can be cut down to fit on 3'-4" wide door

Center Case Dim.: 6" Height x 2 5/16" Wide x 2 1/2" Thick - 4" Minimum stile required

Mechanism Case Dim.: 1 5/8" Height x 1 13/16" Wide

Projection: 2 1/2" Undogged - Push bar Neutral & 1 13/16" Dogged - Push bar Depressed

Fasteners: Wood, machine & self tapping machine screws (F2000R includes thru bolts)

Alarmed Exits: Exit Alarm Kit ALK-2000 available for new or existing devices

Trim & Accessories: ASA & latch filler included, Exterior Trims, Shim Kits & other accessories available

Warranty: Limited lifetime warranty



US32D



Gold Painted

BZ Painted

2000R/F2000R TRIM & ACCESSORIES



Exit Device Trims

Lever Escutcheon



LE-08

Entry

LE-08A

Passage

LE-02DT

Dummy

LE Trim Finishes: US3, US4, US10B, US26, US32D.
Curved lever also available in all finishes

Key In Lever Trims



KIL Entry



KIL Storeroom



KIL Passage

KIL Trim Finishes: US3, US4, US10B, US26, US26D
Curved, Half Curved, S-A & S-B Lever styles available

Pull Trims



2P-03NL

Night Latch

2P-02DT

Dummy

TP-08

Entry

TP-08A

Passage
US32D Only

Thumbpiece Trims



TP-02DT

Dummy



DFP-03NL

Night
Latch



DFP-02DT

Dummy

Finger Pull Trims



FP-03NL

Night Latch
US32D Only



KIK Passage



KIK Storeroom



KIK Entry

Key In Knob
US26D only

Strikes, Parts & Accessories



Roller Strike & Shim



Double Door Strike



Thru Bolts - 6pk



1/8" Shim Kit



ASA Filler Plate



Latch Bolt Filter Plate

Exit Alarm Kit ALK-2000



2000 SERIES STANDARD DUTY SVR EXIT DEVICE



Specification

- ANSI:** Meets ANSI A156.3 - Grade 1 Standards
- UL Listings:** UL Listed for Panic Exit Hardware
3 Hour Fire Doors to 8'-0" x 10'-0" & LBR up to 8'-0" x 8'-0"
- ADA:** Meets ADA requirements ANSI A117.1 with Lever Trim
- Handing:** Easily Re- handed in the field - Shipped as RHR
- Construction:** Roll Formed Steel or Stainless Steel Channel & Steel Chassis
Steel or Stainless Steel Head Cover & End Cap
- Finishes:** Aluminum, Dark Bronze, Gold Painted & US32D
- Top Latch:** U Shaped Top Latch for Secure Engagement with strike
- Bottom Latch:** Drop Bolt Style Bottom Latch Secures into flat strike & hole in the floor
- Dogging:** 5/32" Hex Key Dogging Standard on Panic Exit Hardware
- Device Lengths:** 33" for 3'-0" wide doors and 42" for 3'-8" to 4'-0" wide doors
- Min. Door Width:** 33" device can be cut down to fit on 2'-8" wide door
42" device can be cut down to fit on 3'-4" wide door
- Door Heights:** 7'-0" Standard - Extended Top Rods available for up to 10'-0" tall doors
- Center Case Dim.:** 6" Height x 2 5/16" Wide x 2 1/2" Thick - 4" Minimum stile required
- Mechanism Case Dim.:** 1 5/8" Height x 1 13/16" Wide
- Projection:** 2 1/2" Undogged - Push bar Neutral & 1 13/16" Dogged - Push bar Depressed
- Fasteners:** Wood, machine & self tapping machine screws (F2000V includes thru bolts)
- Alarmed Exits:** Exit Alarm Kit ALK-2000 available for new or existing devices
- Trim & Accessories:** Latch filler included, Exterior Trims, Shim Kits & other accessories available
- Under Cut:** 1/4" door under cut recommended for 1/4" threshold or no threshold openings
- Warranty:** Limited lifetime warranty

2000V/F2000V TRIM & ACCESSORIES



SVR Exit Device Trims

Lever Escutcheon Trims



LE-08

Entry



LE-08A

Passage



LE-02DT

Dummy

LE Trim Finishes: US3, US4, US10B, US26, US32D.
Curved lever also available in all finishes

Strikes, Parts & Accessories



Top Strike



Flat Bottom Strike



Thru Bolts - 12pk



Latch Bolt Filler Plate



1/8" Shim Kit



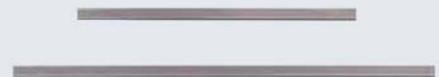
End Cap



Screw Pack



5/32" Hex Dogging Key



Top Rods for 8'-0" or 10'-0" Tall

ALK-2000 EXIT ALARM KIT

The 2000 Series Exit Alarm Kit is a retrofit kit used to help prevent unauthorized use of an emergency exit door



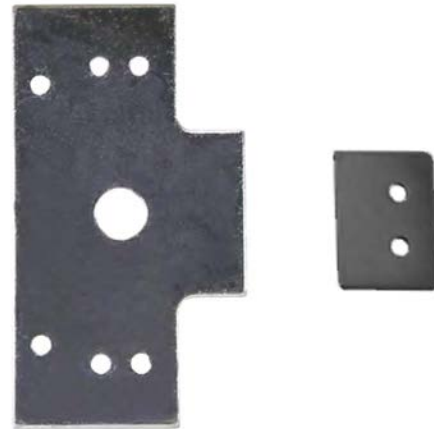
Specification

- Application** 2000 series rim exit devices, panic or fire rated
- Operation:** Alarm is armed/disarmed by turning key in the mortise cylinder
LED flashes green every 30 seconds to indicate alarm is in armed position
Alarm is activated when push bar is depressed
- Bypass** Alarm can be bypassed by trim/key from the outside
- Battery** 9 Volt battery included, life approximately 1 year - Low battery alert indicated by red flash & chirp every 5 seconds
- Decibel Rating:** Approximately 90 decibels at 15 feet
- Part Numbers:** ALK-2000 33" for standard length devices & ALK-2000 42" for long devices
- Included Parts:** New Slide Cover with LED indicator, Alarm Board, Mounting Plate, Mortise Cylinder, Cylinder Collar, Back Plate, Cylinder Retaining Ring
9 Volt Battery, "Emergency Exit" Sticker for touchpad or door face
- Cylinders:** 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys
1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)
- Finishes:** AL, BZ and GLD Painted & US32D
- Warranty:** Limited lifetime warranty

2000 SERIES SHIM KITS



2000V/F2000V Shim Kit



2000R/F2000R Shim Kit

Specification

Base Material: Zinc plated steel

Dimensions: 1/8" Thick, the kits can be stacked for thicker shimming

Application: Kits for 2000 series rim or surface vertical rod exit devices, panic or fire rated
Used for doors with light kits that prevent the device from mounting flush

Handing: Non-handed

Included Parts: Rim kit includes shim for head and end cap.
SVR kit includes shim for head, end cap, latches and rod guides

Festeners: Extended mounting screws included

Finishes: Silver zinc plated for US32D and AL,
Dark Bronze for BZ & Gold for GLD

Warranty: Limited lifetime warranty

LE TRIM HEAVY DUTY LEVER ESCUTCHEON TRIM



LE-08A
Passage



LE-02DT
Dummy



LE-08
Entry



Specification

ANSI: ANSI A156.3, Grade 1

ADA: Meets ADA requirements ANSI A117.1

Construction: Steel, Zinc Dichromated Chassis - Stainless Steel Exterior Housing

Application: Heavy Duty trim option for use with all 1000 & 2000 series exit devices

Mounting: Thru bolted design thru bolts to head of exit device

Spindle: 5/16" Square, Steel - Machined & Heat Treated

Lever: 5" Solid Stainless Steel lever - 2 7/8" total projection

Lever Designs: Flat (standard, shown above) & Curved

Escutcheon: 3" Wide x 9" Height x 3/4" Projection -Will cover 161 door prep

Handing: Non-Handed, Field selected at the time of installation

Door Thickness: 1 3/4" standard-Thick door kits available for 2" thick doors

Functions: 02DT Dummy, 08 Entry (convertible to 03NL - Night latch), 08A Passage

Fasteners: Includes thru bolt posts and 1/4"-20 machine screws for installation

Standard Cylinder: 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys

Optional Cylinders: 1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)

Finishes: US3, US4 , US10B, US26, US32D (Type 304SS standard) (Marine Grade 316SS option)

Accessories: 1/8" Cylinder collar spacer rings - (2 are supplied with IC housings)

Electrified Options: 12/24 Volt AC/DC - Fail Safe/Fail Secure Field selectable

Warranty: Limited lifetime warranty

KIL TRIM

KEY IN LEVER TRIM



KIL - Passage



KIL - Storeroom



KIL - Entry



Specification

ANSI: ANSI A156.3, Grade 1

ADA: Meets ADA requirements ANSI A117.1

Construction: Steel, Zinc Dichromated Chassis with Secure Thru Bolted design

Application: Standard Duty lever trim option for 1000R & 2000R
(Not recommended for SVR devices, Heavy Duty LE trim recommended)

Door Prep: Installs in 2 1/8" 161 door prep

Actuator: Cross shaped stainless steel

Lever: 5" Solid Zinc Diecast lever - 2 7/8" total projection

Lever Designs: Flat (standard, shown above) Curved, Half Curved, S-A & S-B

Rose:: 3 3/8" wrought brass roses

Handing: Non-handed Completely Reversible

Door Thickness: 1 3/4" standard - available for 2" thick doors, specify when ordering

Functions: Passage, Storeroom & Entry

Cylinders Options: 6 Pin Brass, C Kwy, with 2 Keys std., Prepared for Small format IC core (less core)

Finishes: US3, US4, US10B, US26, US26D, US32D (Marine Grade 316SS)

Warranty: Limited lifetime warranty



KIL - Storeroom IC



KIL - Entry IC

2P TRIM PULL TRIM



2P-02DT
Dummy



2P-03NL
Night Latch

Specification

Construction: Stainless steel construction

Pull Plate: 3" Wide x 13 7/8" Height x 1/16" thick

Pull: 3/4" diameter hollow x 6 1/4" etc x 2 7/16" projection

Application: Pull trim option for 1000R & 2000R. Will cover 161 door prep (Not recommended for SVR devices as rods can be hard to lift with rim cylinder tailpiece)

Mounting: Thru bolted design thru bolts to head of exit device and to door with finish washer. Will cover 161 door prep

Handing: Non-handed

Door Thickness: 1 3/4"

Functions: 02DT Dummy, 03-NL Night latch (key retracts latch)

Accessories: 03-NL includes cylinder sleeve for installation into 161 door prep

Fasteners: Includes thru bolt posts, 1/4"-20 machine screws & finish washer for installation

Cylinders: Rim Cylinder required for 03NL (not included)
Rim cylinder housing for 6 or 7 pin Small format IC core (less core) also available

Finishes: US3, US4, US10B, US26, US32D

Warranty: Limited lifetime warranty

TP TRIM THUMBPIECE PULL TRIM



TP-08A
Passage



TP-02DT
Dummy



TP-08
Entry

Specification

Construction: Stainless steel construction
Steel, Zinc Dichromated chassis

Pull Plate: 3" Wide x 13 3/4" Height x 1/16" thick

Pull: 3/4" diameter hollow x 6" etc x 2 7/16" projection

Application: Pull trim with thumbpiece control option for 1000R & 2000R
(Not recommended for SVR devices as rods can be hard to lift with thumbpiece)

Mounting: Thru bolted design thru bolts to head of exit device and to door
with finish washer. Will cover 161 door prep

Handing: Non-handed

Door Thickness: 1 3/4" standard - Add the suffix -TD for 2" thick door

Functions: 02DT Dummy, 08 Entry, 08A Passage

Standard Cylinders: 1 1/4" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys

Optional Cylinders: 1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)

Finishes: US3, US4, US10B, US26, US32D

Warranty: Limited lifetime warranty

DFP TRIM PULL TRIM



DFP-02DT
Dummy



DFP-03NL
Night Latch

Specification

Construction: Stainless steel construction

Pull Plate: 3" Wide x 8" Height x 1/16" thick x 1 11/16" projection

Application: Economical pull trim option for 1000R & 2000R. Will cover 161 door prep
(Not recommended for SVR devices as rods can be hard to lift with rim cylinder tailpiece)

Mounting: Thru bolted design thru bolts to head of exit device

Handing: Non-handed

Door Thickness: 1 3/4"

Functions: 02DT Dummy, 03-NL Night latch (key retracts latch)

Accessories: 03-NL includes cylinder sleeve for installation into 161 door prep

Fasteners: Includes (4) thru bolts and 1/4"-20 machine screws for installation

Cylinders: Rim cylinder required for 03NL (not included)
Rim cylinder housing for 6 or 7 pin Small format IC core (less core) also available

Finishes: AL, BZ Painted and US3, US4, US10B, US26, US32D

Warranty: Limited lifetime warranty

KIK TRIM

KEY IN KNOB TRIM



KIK - Passage



KIK - Storeroom



KIK - Entry

Specification

ANSI: ANSI A156.3, Grade 1

Construction: Steel, Zinc Dichromated Chassis with Secure Thru Bolted design

Application: Standard Duty knob trim option for 1000R & 2000R
(Not recommended for SVR devices, Heavy Duty LE trim recommended)

Door Prep: Installs in 2 1/8" 161 door prep

Actuator: Cross shaped stainless steel

Knob: 2" wrought brass knob - 3" total projection

Knob Designs: Ball Knob

Rose:: 3 3/8" wrought brass roses

Handing: Non-handed - Completely Reversible

Door Thickness: 1 3/4"

Functions: Passage, Storeroom & Entry

Cylinders Options: 6 Pin Brass, C Kwy, with 2 Keys std.

Finishes: US26D

Warranty: Limited lifetime warranty

DDS DOUBLE DOOR STRIKE



DDS x US32D

Specification

Base Material: Stainless steel

Dimensions: 3 1/2" height x 2 1/2" width x 7/16" thick x 3/4" projection (without shims)

Applications: Works with 1000 or 2000 series rim exit devices, panic or fire rated
Used for pairs of doors that have either a surface vertical rod device or flush bolts securing the inactive leaf

Handing: Non-handed

Fasteners: Machine, wood and self tapping machine screws

Accessories: (2) 1/8" shims required and supplied for use with 1000 series only

Finishes: Plated US3, US4, US10B, US26 - US32D mill finish

Warranty: Limited lifetime warranty

KRM KEY REMOVABLE MULLION



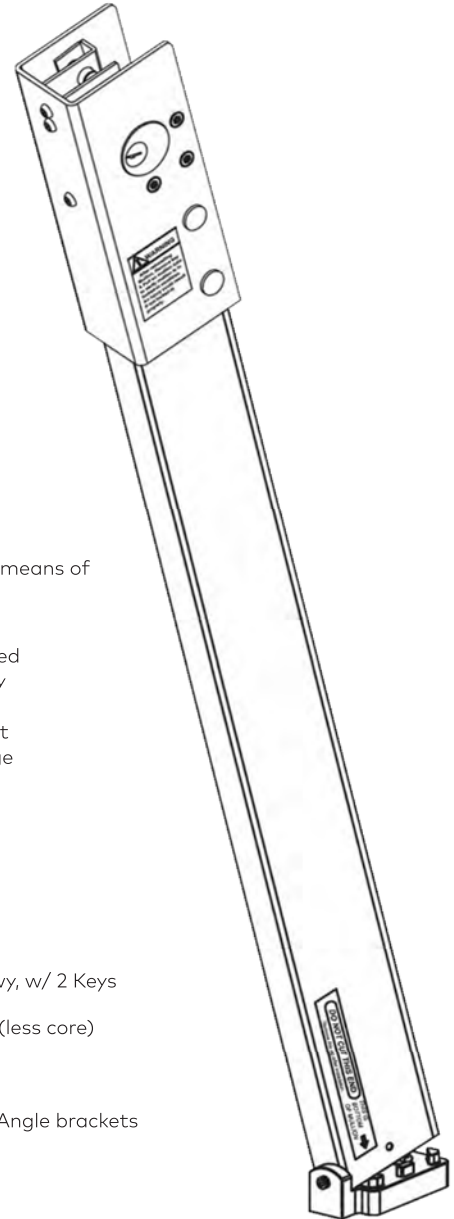
Top Retainer



Bottom Retainer



Headcap Assembly



Specification

Application: Used to adapt a double door into two single doors

Key Operation: Turning key in mortise cylinder provides fast and easy means of removing mullion from opening

Features:

- Heavy Duty Steel construction
- Easy removal when full width of an opening is required
- Self locking when reinstalled without needing the key
- Flush side mounted cylinder is not visible from front
- Includes 1/8" adjustment shim for fine tuning fitment
- Increases Security & Minimizes door sag and warpage

Mullion Tube: 2" Wide x 3" Depth x 1/8" Steel

Top/Btm. Retainers: Investment cast steel

Headcap: Steel with zinc dichromated internal parts

Lengths: 7', 8' & 10' lengths - can be cut to length in field

Cylinders: 1 1/8" Mortise Cyl. w/ std. cam (included) - 6 Pin, C Kwy, w/ 2 Keys

Optional Cylinders: 1 3/8" Mortise Cyl. for 6 or 7 pin Small format IC core (less core)

Finishes: AL Painted (Prime Coat)

Accessories: Stabilizers, Wall mounted storage kits, Filler blocks & Angle brackets

Warranty: Limited lifetime warranty

MS1 MULLION STABILIZERS



Specification

Base Material: Steel

Application:

- Optional accessory for use with KRM Mullions
- Recommended for openings over 7'

Features:

- Includes 2 stabilizer sets per box for a pair of doors. Each set has a two piece interlocking design where one piece mounts to the door and one piece mounts to the frame.
- Maintains strength between mullion & door to prevent break-ins and vandalism
- Prevents door deflection caused by expansion and contraction caused by temperature changes.

Accessories: Aluminum shims included to adjust for misalignment between mullion & door

Fasteners: Machine screws and self tapping machine screws both included

Finishes: AL Painted (prime coat)

Warranty Limited lifetime warranty

FB1 MULLION FILLER BLOCK



Specification

Base Material: Aluminum

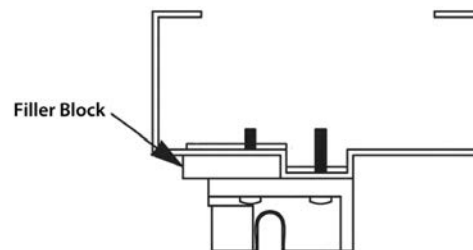
Dimensions: 2" x 1 1/2" x 5/8"

Features: Optional accessory for use with KRM Mullions when the frame stop is too narrow to mount mullion top retainer. Provides the extra surface area needed to properly install mullion.

Fasteners: Machine screws, self tapping machine screws & wood screws

Finishes: AL Painted (prime coat)

Warranty: Limited lifetime warranty



AB1 ANGLE BRACKET



Specification

Base Material: Aluminum

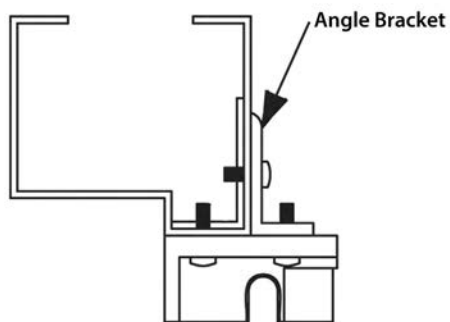
Dimensions: 2" x 1 1/2" x 1/4"

Applications: Optional accessory for use with KRM Mullions when installing on a narrow transom frame. Provides the extra surface area needed to properly install mullion.

Fasteners: Machine screws & Wood screw

Finishes: AL Painted (prime coat)

Warranty Limited lifetime warranty

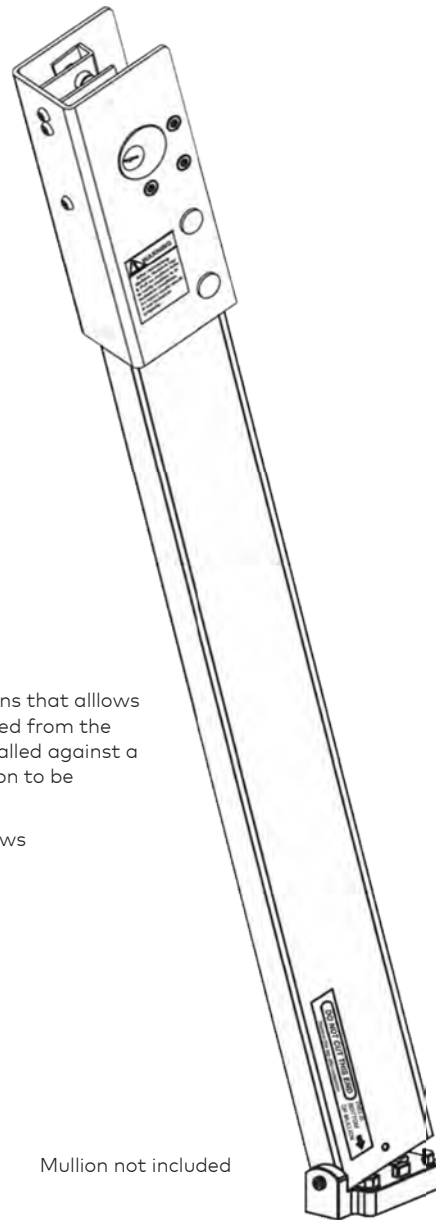


KRM-WMSK WALL MOUNTED STORAGE KIT



Specification

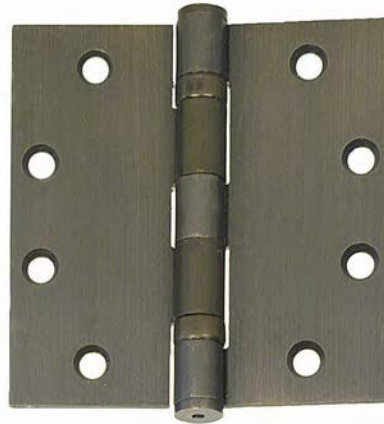
- Base Material:** Steel top and bottom retainers
Aluminum angle bracket
- Applications:** Optional accessory for use with KRM Mullions that allows the mullion to be safely stored when removed from the opening. Top and Bottom retainers are installed against a wall or in a corner and only allows the mullion to be removed and reinstalled when using a key.
- Fasteners:** Machine, self tapping machine & wood screws
- Finishes:** AL Painted (prime coat)
- Warranty** Limited lifetime warranty



Mullion not included

BB5

STANDARD WEIGHT BALL BEARING HINGES



Specification

ANSI: Meets ANSI A 156.2 - Dimensions and tolerances conform to ANSI - A156.7

Gauge of Metal: .129 for 4" x 4", .134" for 4.5" x 4.5", .145" for 5" x 4 1/2" sizes

Base Material: Steel (ANSI A8112) or Stainless Steel (Grade 304 standard) (ANSI A5112)
Marine Grade 316 US32D Stainless Steel also available

Design & Templating: 5 Knuckle Design & Templated hole locations for wood or metal doors & frames

Fire Door Use: Approved for most types of fire doors up to 4' x 10', 8' x 10' pairs - Refer to NFPA80

Swaging: 1/16" Swage standard which provides 1/16" of clearance between leaves

Security NRP: NRP - Non removable pin available upon request for most sizes

Pin & Tip: Equipped with easily seated non-rising pin with button head & plug

Radius Corner: 1/4" and 5/8" Radius Corner available and in stock for 4" x 4" sizes only

Bearings: Each hinge has 2 sets of maintenance free non detachable ball bearings

Electrification: Concealed thru wire and monitoring options available, See electrified section

Fasteners: Each box of 3 hinges contains full set of machine and wood screws

Warranty: Limited Lifetime Warranty

US #	BHMA #	Finish Description
US3	632	Bright/Polished Brass
US4	633	Brushed/Satin Brass
US10	639	Brushed/Satin
US10B	640	Oil Rubbed
US15	646	Brushed/Satin Nickel
US26	651	Brushed/Polished Chrome
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel (type 304 or 316 marine grade)
USP	600	Prime Painted

Note: 4" x 4", 5" x 4.5" & 5" x 5" sizes are stocked in limited finishes, check availability



****Other Finishes Available upon request**

BB5-HW HEAVY WEIGHT BALL BEARING HINGES



Specification

ANSI: Meets ANSI A 156.2 - Dimensions and tolerances conform to ANSI - A156.7

Gauge of Metal: .180" for 4.5" x 4.5" & .190 for 5" x 4.5" & 5" x 5" sizes

Base Material: Steel (ANSI A8111) or Stainless Steel (Grade 304 standard)(ANSI A5111)
Marine Grade 316 US32D Stainless Steel also available

Design & Templating: 5 Knuckle Design & Templated hole locations for wood or metal doors & frames

Fire Door Use: Approved for most types of fire doors up to 4' x 10', 8' x 10' pairs - Refer to NFPA80

Swaging: 1/16" Swage standard which provides 1/16" of clearance between leaves

Security NRP: NRP – Non removable pin standard on all BB5-HW hinges

Pin & Tip: Equipped with easily seated non-rising pin with button head & plug

Pin Removal: Hole in bottom knuckle tip enables quick pin removal for ease of installation

Bearings: Each hinge has 4 sets of maintenance free non detachable ball bearings

Electrification Concealed thru wire and monitoring options available, See electrified section

Fasteners: Each box of 3 hinges contains full set of machine and wood screws

Warranty Limited Lifetime Warranty

US #	BHMA #	Finish Description
US10B	640	Oil Rubbed
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel (type 304 or 316 marine grade)



Note: 4.5 x 5" & 5" x 5" sizes are not stocked in all finishes, check availability

SPRING HINGE



Dual Spring Tension Adjustment
Slot / Hole or Hex Wrench



Specification

ANSI: Meets ANSI A 156.2 - Dimensions and tolerances conform to ANSI - A156.7

Gauge of Metal: .134" for 4" x 4" & 4.5" x 4.5" sizes

Base Material: Steel (ANSI K81071 F) or Stainless Steel (Grade 304) (ANSI K51071 F)

Templating: All hinges have templated hole locations for wood or metal doors

Swaging: 1/16" swage standard which provides 1/16" of clearance between leaves

Fasteners: Each box of 3 hinges contains full set of machine and wood screws

Adjustability: Spring tension can be adjusted with hex wrench or tension rod (both are provided)
Spring tension is held by tension pin inserted into tension pin hole

Radius Corner: 1/4" and 5/8" Radius Corner available and in stock for 4" x 4" sizes only

Labeled Door Sizes: Maximum labeled door size (As set forth by NFPA80) 4' wide x 8' tall x 1 3/4" thick
Meets NFPA80 standard for 3 Hour Fire Doors

NFPA 80 Reference: NFPA 80 requires minimum of 2 spring hinges to be used on labeled doors

Warranty: Limited lifetime warranty

US # BHMA # Finish Description

US3	632	Bright/Polished Brass
US4	633	Brushed/Satin Brass
US10B	640	Oil Rubbed Bronze
US15	646	Brushed/Satin Nickel
US26	651	Bright/Polished Chrome
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel
USP	600	Prime Painted

Note: 4" x 4" sizes are stocked in limited finishes, check availability



**Other Finishes Available upon request

CONTINUOUS GEARED HINGES



Specification

Base Material: 6063 T6 aluminum alloy

Types: Full Mortise and Full Surface

Handing: Non-handed (unless cut in the field)

Stock Lengths: 83" and 95"

Stock Finishes: AL= Aluminum Anodized and BZ = Dark Bronze Anodized
Anodizing is done after machining to help reduce wear

Templating: Templated hole patterns

Fasteners: 12-24 x 7/8" Self tapping machine screws

Features: 32 Self lubricating concealed bearings per hinge for heavy duty applications

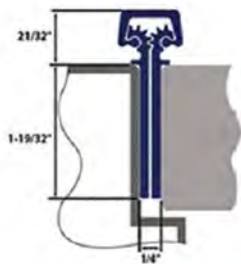
Eliminates door sag and binding

Adds higher degree of security over standard hinges

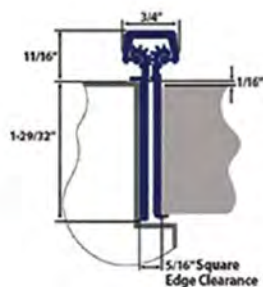
Low operating force helps opening to meet ADA

Adds reinforcement to both door and frame

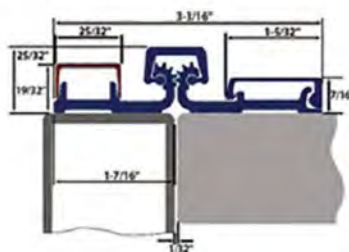
Warranty: 10 year warranty



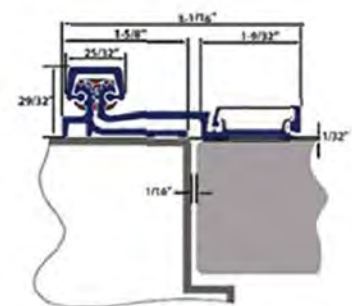
Full Mortise



Full Mortise Offset



Full Surface



Full Surface Offset

CCS-1 CRASH CHAIN STOP



Specification

- Part Number:** CCS-1 Crash Chain Stop
- ANSI:** ANSI A156.16 : L02231
- Chain Material:** Solid welded steel chain
- Ends:** Heavy cast brass mounting plates
- Finish:** Zinc plated matches US26D
- Springs:** 2 Heavy compression springs - 1 at each end
- Chain Cover:** Weather and rip resistant gray vinyl
- Length:** 33 3/4" overall
- Adjustable Length:** Adjustable overall length from 20" to 30 1/2"

WS-CC CONCAVE WALL STOP



Specification

Part Number: WS-CC Concave Wall Stop

ANSI: ANSI A156.16: L02251

Chain Material: Wrought stainless steel, brass or bronze

Bumper: Concave Grey Rubber Bumper

Mounting: Concealed Mounting

Dimensions: 2 1/2" diameter x 1 3/16" projection

Fasteners: 1 1/2" wood screw x plastic toggler

WS-CV CONVEX WALL STOP



Specification

Part Number: WS-CV Concave Wall Stop

ANSI: ANSI A156.16: L02101

Chain Material: Wrought stainless steel, brass or bronze

Bumper: Convex Grey Rubber Bumper

Mounting: Concealed Mounting

Dimensions: 2 1/2" diameter x 1 3/16" projection

Fasteners: 1 1/2" wood screw x plastic toggler

DFS-U UNIVERSAL DOME FLOOR STOP



Specification

Part Number: DFS-U Universal Dome Floor Stop

ANSI: ANSI A156.16 :L02161/L02141

Base Material: Solid Cast Brass

Accessory: Grey Rubber Bumper

Bumper: 7/16" Thick Base

Dimensions: 1 3/4" Diameter
1 1/2" Height

Fasteners: 1 1/2" Wood Screw x Plastic Anchor
1 1/2" Machine Screw & Lead Anchor

FS-1 FLOOR STOP



Specification

Part Number: FS-1 Floor Stop

ANSI: ANSI A156.16: L02121

Base Material: Solid cast brass

Bumper Material: Grey Rubber

Base Dimension: 2 1/2" Diameter

Height: 3 5/8" Overall

Fasteners: 1/4" x 1 1/2" Stud x Lead anchor
12 x 1 3/8" Flat head wood screw x Plastic anchor

FS-1-WH FLOOR STOP W/ HOLDER



Specification

Part Number: FS-1 Floor Stop

ANSI: ANSI A156.16: L02121

Base Material: Solid cast brass

Bumper Material: Grey Rubber

Base Dimension: 2 1/2" Diameter

Height: 3 5/8" Overall

Stop Fasteners: 1/4" x 1 1/2" Stud x Lead anchor
12 x 1 3/8" Flat head wood screw x Plastic anchor

Included Component: Door Holder - Hook on stop hooks into holder to hold door open

Holder Size: 15/16" width x 7/8" height

Holder Fasteners: (2) # 12 x 1 3/8" Flat head wood screw x (2) Plastic anchors

KDS-B KICK DOWN STOP (BRASS)



Specification

Part Number: KDS-B Kick Down Stop (Brass)

ANSI: ANSI A156.16: L01382

Base Material: Solid cast brass

Bumper: Grey Rubber Bumper

Dimensions: 2" x 1 5/16" base
4" Projection

Fasteners: (4) 1" Sheet metal screws

KDS-A

KICK DOWN STOP (ALUMINUM)



Specification

Part Number: KDS-A Kick Down Stop (Aluminum)

ANSI: ANSI A156.16: L01382

Base Material: Solid cast aluminum

Bumper: Grey Rubber Bumper

Dimensions: 2" x 1 5/16" base
4" Projection

Fasteners: (4) 1" Sheet metal screws

KP050 KICK PLATES



Specification

Part Number: KP050-Height x Width x Finish

ANSI: ANSI A156.6: J102

Material: Stainless steel, brass or bronze

Size: 8" x 34"
8" x 40"
8" x 46"
10" x 34"
10" x 40"
10" x 46"
Other sizes available, contact factory for availability

Thickness: .050"

Fasteners: 1/2" Sheet metal screws

AP050 ARMOR PLATES



Specification

- Part Number:** AP050 Height x Width x Finish
- ANSI:** ANSI A156.6: J101
- UL:** UL Listed
- Material:** Stainless steel, brass or bronze
- Size:** 29" x 34"
46" x 34"
Other sizes available, contact factory for availability
- Thickness:** .050"
- Fasteners:** 1/2" Sheet metal screws

PUSHP-3 1/2X15 PUSH PLATES



Specification

Part Number: PushP-3 1/2x15

ANSI: ANSI A156.6: J301

Material: Stainless steel, brass or bronze

Size: 3 1/2" x 15"

Thickness: .050"

Options: With Center Holes specify WCH for back to back mounting with Pull plate

Fasteners: 1/2" Sheet metal screws

PULLP-3 1/2X15 PULL PLATES



Specification

Part Number: PULIP-315

ANSI: ANSI A156.6: J405

ADA: Stainless Steel

Material: 3/4" Diameter Hollow Pull

Size: 6 5/16" Center to center
3 1/2" x 15" Plate

Thickness: .050"

Door Thickness: 1 3/4"

Fasteners: 1/2" Sheet metal screws
5/16"-18 x 2 1/4" Thru bolts x 5/16" Finish washer

PUSHP-416 PUSH PLATE



Specification

Part Number: PushP-416

ANSI: ANSI A156.6: J301

Material: Stainless steel, brass or bronze

Size: 4" x 16"

Thickness: .050"

Options: With Center Holes specify WCH for back to back mounting with Pull plate

Fasteners: 1/2" Sheet metal screws

PULLP-416

PULL PLATES



Specification

Part Number: PullP-416

ANSI: ANSI A156.6: J405

ADA: Barrier Free 2" clearance

Material: Stainless steel, brass or bronze

Size: 1" Diameter Solid Pull
8" Center to center
4" x 16" Plate

Thickness: .050"

Door Thickness: 1 3/4"

Fasteners: 1/2" Sheet metal screws
5/16"-18 x 2 1/4" Thru bolts x 5/16" Finish washer

UL-MFB-M

UL MANUAL FLUSH BOLT - METAL DOOR



Specification

Part Number: UL-MFB-M UL Manual Flush Bolt - Metal Door

ANSI: ANSI A156.16: L04251
Fits ANSI A115 Prep

UL Listing: UL Listed - 3 Hour Fire Doors up to 4'-0" x 10'-0"

Material: Cast brass

Bolt: 3/4" Bolt Throw

Backset: 3/4" Rod Backset

Bolt Head: 1 1/2" Adjustable Bolt Head

Extension Rods: Supplied Rod for 7' doors
22" Extension Rod available for 8' door
34" Extension Rod available for 9' door
46" Extension Rod available for 10' door

Face Dimensions: 1" x 6 3/4" Face Plate

Strike: 15/16" x 2 1/4" Strike

Guide Dimension: 1" x 2" Guide

Fasteners: 8 each # 8 x 3/4 Flat head combination screws

Notes: Use DPS-1 Dust Proof Strike to prevent the bottom strike from being blocked by dirt

UL-MFB-W

UL MANUAL FLUSH BOLT - WOOD DOOR



Specification

Part Number: UL-MFB-W UL Manual Flush Bolt - Wood Door

ANSI: ANSI A156.16: L04261

UL Listing: UL Listed - 90 Minute Fire Doors
Up to 4'-0" x 10'-0"

Base Material: Cast brass

Bolt: 3/4" Bolt Throw

Backset: 3/4" Rod Backset

Bolt Head: 1 1/2" Adjustable Bolt Head

Face Dimensions: 1" x 6 3/4" Face Plate

Strike: 15/16" x 2 1/4" Strike

Fasteners: 7 each #8 x 3/4 Flat Head Combination Screws
4 each 8-32 x 1/2 Flat Head Machine Screws
4 each #8 Counter Sunk Washer

Note: Use DPS-1 Dust Proof Strike to prevent the bottom strike from being blocked by dirt

UL-AFB-M

UL AUTO FLUSH BOLT - METAL DOOR



Specification

Part Number: UL-AFB-M UL Auto Flush Bolt - Metal Door

ANSI: ANSI A156.3 : Type 25
Fits ANSI A115 Prep

UL Listing: UL Listed - 3 Hour Fire Doors up to 4'-0" x 8'-0"

Base Material: Steel

Bolt: 3/4" Bolt Throw

Backset: 3/4" Rod Backset

Bolt Head: 1 1/2" Adjustable Bolt Head

Extension Rods: Supplied Rod for 7' doors
24" Extension Rod available for 8' doors (note: voids UL listing)

Face Dimensions: 1" x 6 3/4" Face Plate

Strike: 15/16" x 2 1/4" Strike

Guide Dimension: 1" x 2" Guide

Fasteners: 8 each # 8 x 3/4 Flat head combination screws

Notes: Use DPS-1 Dust Proof Strike to prevent the bottom strike from being blocked by dirt

UL-AFB-W

UL AUTO FLUSH BOLT - WOOD DOOR



Specification

Part Number: UL-AFB-W UL Auto Flush Bolt - Wood Door

ANSI: ANSI A156.3 : Type 25

UL Listing: UL Listed - 90 Minute Fire Doors Up to 4'-0" x 8'-0"

Base Material: Steel

Bolt: 5/8" Bolt Throw

Backset: 3/4" Rod Backset

Bolt Head: 1 1/2" Adjustable Bolt Head

Face Dimensions: 1" x 6 3/4" Face Plate

Strike: 15/16" x 2 1/4" Strike

Fasteners: 6 each #8 x 3/4 Flat Head Combination Screws
2 each 8-32 x 1/2 Flat Head Machine Screws
4 each #10 Counter Sunk Washer

Notes: Use DPS-1 Dust Proof Strike to prevent the bottom strike from being blocked by dirt

GAC

UL GRAVITY ARM COORDINATOR



Specification

Part Number: GAC - Gravity Arm Coordinator

Application: Prevents active door of a pair from closing until inactive door is closed

ANSI: A156.3:Type21

UL: UL Listed

Base Material: Cast brass

Roller Material: Nylon & Rubber

Dimensions: Base: 5 3/8" x 15/16"

Projection: 6 3/4"

Features: Set screw adjustment

FBC

UL FLAT BAR COORDINATOR W/ FILLER BAR



Specification

Part Number: FBC - Flat Bar Coordinator with filler bar

Application: Prevents active door of a pair from closing until inactive door is closed

ANSI: A156.3: Type 21 A

UL: UL Listed

Material: Steel

Finish: USP - Black Prime Coat

Dimensions: Base: 1 5/8" x 5/8" x 18"

Door Width: Coordinator and Filler bar for 63" to 75" opening (other sizes available by special order)

Bracksets: Mounting brackets available separately for special frame applications



FBC-MB1xBLK



FBC-MB2xBLK

UL-SB SURFACE BOLTS



Specification

Part Number: UL-SB8 & UL-SB12

ANSI: ANSI A156.16: L04161

UL: UL Listed - 3 Hour Fire Doors up to 4'-0" x 10'-0"

Base Material: Stainless steel or Steel (plated)

Mounting: Surface mounting

Dimensions: UL-SB8 = Overall 2" x 8"
UL-SB12 = Overall 2" x 12"

Bolt Size: 3/4" height x 1/4" thick

Bolt Throw: 1 1/8"

Projection: 1 5/16"

Strikes: Universal top strike and mortise bottom strike included

Fasteners: 8 each # 10 x 1 1/4" Sheet metal screws
8 each # 10-24 Flat head machine screws

UL-DV200 DOOR VIEWER



Specification

Part Number: UL-DV200 Door Viewer

ANSI: ANSI A156.16: L013221, L03172

Base Material: Brass

Certification: UL Listed - 90 minute

Lens: Plastic Wide Angle 200 Degree Lens

Door Thickness: 1 3/8" to 2 1/8"

Door Preparation: Installs In 9/16" hole

DPS-1 DUST PROOF STRIKE



Specification

Part Number: DPS-1 Dust Proof Strike

ANSI: ANSI A156.16: L04Q21

Base Material: Brass

Dimensions: 7/8" Diameter barrel x 2" Depth

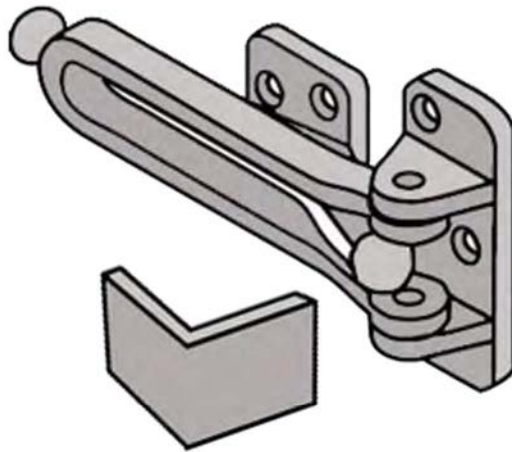
Face Plate: 1 3/8" X 2 7/8"

Features: Removable face plate
Adjustable height

Included Accessory: Spanner wrench & Adjustable nut

DG-EP

DOOR GUARD W/ EDGE PROTECTOR



Specification

Part Number: DG-EP Door Guard w/ Edge Protector

ANSI: ANSI A156.16: L03041

Base Material: Solid cast brass

DG Dimensions: 2 1/2" Height
5 1/8" Length

EP Dimensions: 1/2" Height
1" Width

Fasteners: 3 each #6 x 1 1/2" Oval head sheet metal screws for body
4 each #6 x 3/4" Oval head sheet metal screws for strike

ADA RESTROOM SIGNAGE W/ BRAILLE



Specification

Part Number: RSM-B - Restroom Sign Mens x Blue
RSW-B - Restroom Sign Womens x Blue
RSU-B - Restroom Sign Unisex x Blue

Dimensions: 8" x 8"

Pictogram: 5"H x 1/32" raised

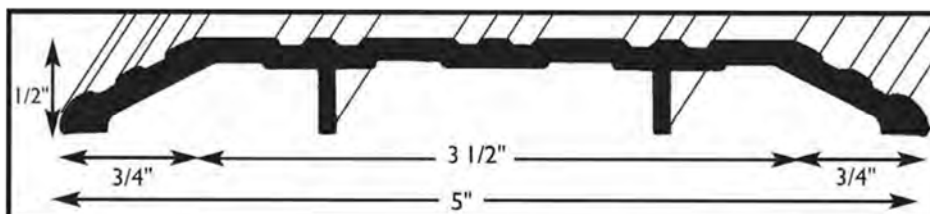
Text: 5/8" height, upper case, Helvetica medium 1/32" raised letters

Features:

- Double sided adhesive tape for installation
- ADA Logo
- Braille - Grade 2



TH5 5" SADDLE THRESHOLD



Specification

Material: 6063-TS Extruded Aluminum Alloy

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

ADA: Meets ANSI A117.1 accessibility codes

Width: 5"

Height: 1/2"

Stock Lengths: Stocked as 36", 48" (cut 1/2" over) & 72" & 96" (cut 1" over)

Non Stock Lengths: Special order: 32" (cut 1/2" over)
Special order: 60", 64", 84" (cut 1" over)

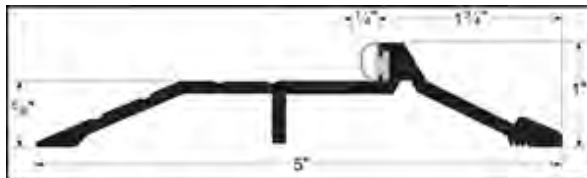
Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #10 Phillips wood screws provided

Warranty: Limited 3 Year

TH5P

5" PANIC THRESHOLD



Specification

Material: 6063-T5 Extruded Aluminum Alloy

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2" hours

UL Positive Pressure: Fire Rated & Tested to meet UL10B & UL10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

Width: 5"

Height: 1"

Stock Lengths: Stocked as 36" & 48" (cut 1/2" over) & 72" & 96" (cut 1" over)

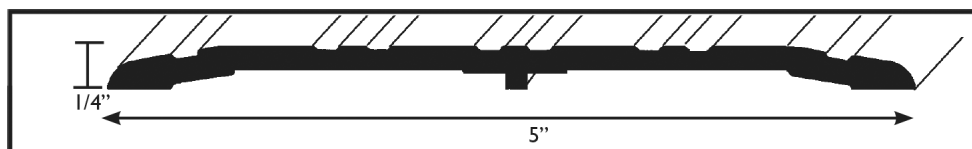
Non Stock Lengths: Special order: 32" (cut 1/2" over)
Special order: 60" 64", 84" (cut 1" over)

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #10 Phillips wood screws provided

Warranty: Limited 3 Year

TH5-ADA 5" SADDLE THRESHOLD



Specification

Material: 6063-T5 Extruded Aluminum Alloy

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2" hours

UL Positive Pressure: Fire Rated & Tested to meet UL10B & UL10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

ADA: Meets ANSI A117.1 accessibility codes

Width: 5"

Height: 1/4"

Stock Lengths: Stocked as 36", 48" (cut 1/2" over) & 72" & 96" (cut 1" over)

Non Stock Lengths: Special order: 32" (cut 1/2" over)

Special Order: 60" 64", 84" & 96" (cut 1" over)

Stock Finishes: MF = Mill finish (stock)

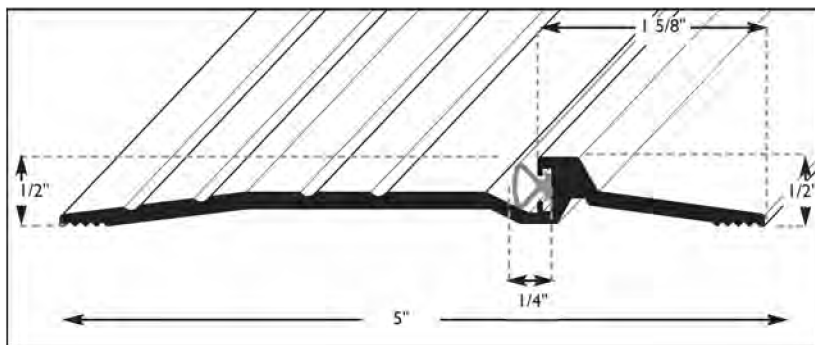
Special Order Finishes: BZ = Bronze anodized (stock)

Fasteners: #10 Phillips wood screws provided

Warranty: Limited 3 Year

TH5P-ADA

5" ADA PANIC THRESHOLD



Specification

Material: 6063-T5 Extruded Aluminum Alloy

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 108 & UL IOC, UBC7-2, Part 1 & BS476
Smoke Tested & Listed to meet the requirements of Standards
UL 1784 UBC7-2, Part II and 8S476

ADA: Meets ANSI A117 .1 accessibility codes

Width: 5"

Height: 1/2"

Stock Lengths: Stocked as 36" & 48" Mill finish (cut 1/2" over)

Non Stock Lengths: Special order: 32" (cut 1/2" over)
Special order: 48", 60", 64", 72", 84" & 96" (cut 1" over)

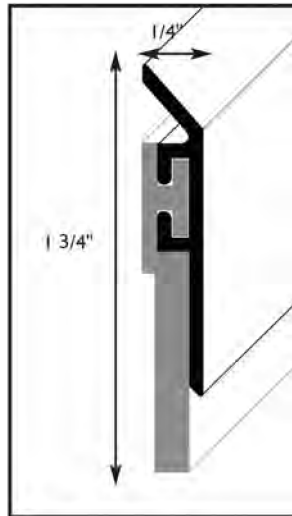
Stock Finishes: MF= Mill finish (stock)

Non Stock Finishes: BZ = Bronze anodized (special order)

Fasteners: #10 Phillips wood screws provided

Warranty: Limited 3 Year

SW-R DOOR SWEEP-RUBBER



Specification

Material: 6063-T5 Extruded Aluminum Alloy

Sweep Material: Heavy Duty Rubber

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

Height: 1 3/4"

Thickness: 1/4"

Stock Lengths: 36" & 48" (stock)

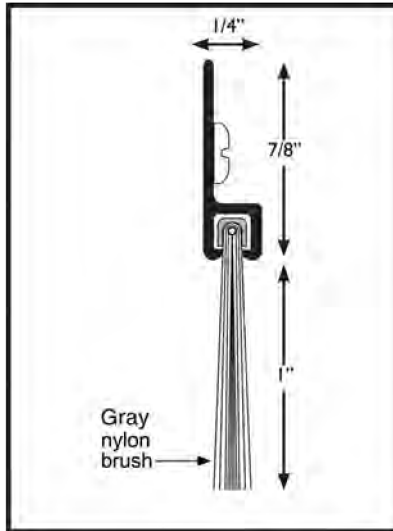
Non Stock Lengths: 32" & 42" (special order)

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #6 x 5/8" sheet metal screws provided

Warranty: Limited 3 Year

SW-BR DOOR SWEEP-BRUSH



Specification

Material: 6063-TS Extruded Aluminum Alloy

Sweep Material: 1" Heavy Duty Gray Nylon Brush

Height: 1 7/8"

Thickness: 1/4"

Stock Lengths: 36" & 48" (stock)

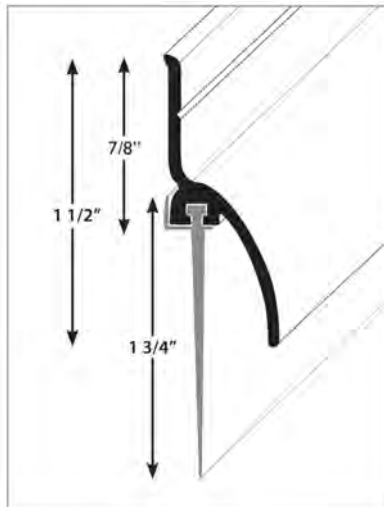
Non Stock Lengths: 32" & 42" (special order)

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #6 x 5/8" sheet metal screws provided

Warranty: Limited 3 Year

DCSW-V DRIP CAP SWEEP W/ VINYL



Specification

Material: 6063-T5 Extruded Aluminum Alloy

Sweep Material: Heavy duty gray vinyl

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

Height: 1 3/4"

Thickness: 1/4"

Stock Lengths: 36" & 48" (stock)

Non Stock Lengths: 32" & 42" (special order)

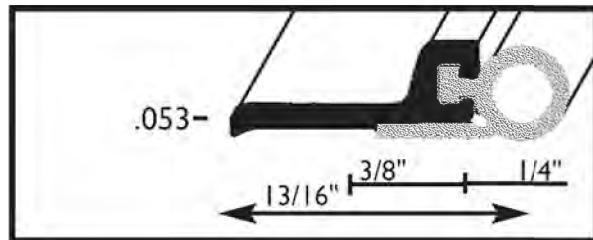
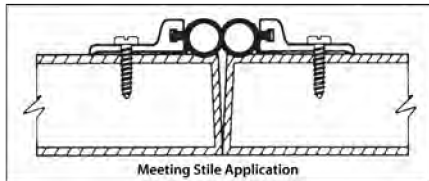
Stock Finishes: MF= Mill finish (stock)

Non Stock Finishes: BZ = Bronze anodized (special order)

Fasteners: #6 x 5/8" sheet metal screws provided

Warranty: Limited 3 Year

PS-V PERIMETER SEAL - VINYL BULB



Specification

Material: 6063-TS Extruded Aluminum Alloy

Heavy Duty Vinyl: Flexible to -35 degrees (ASTM D746), Tear resistant (ASTM-1004) at 50lbs/in Elongation 300% (ASTM D-412), Tensile strength (ASTM D-412) 1800psi

Features: Flat mount style with 3/8" secondary seal

UL Rating: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

Width: 13/16" overall x 1/4" x 1/4" vinyl bulb

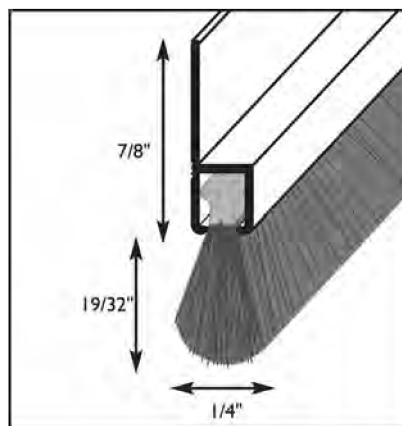
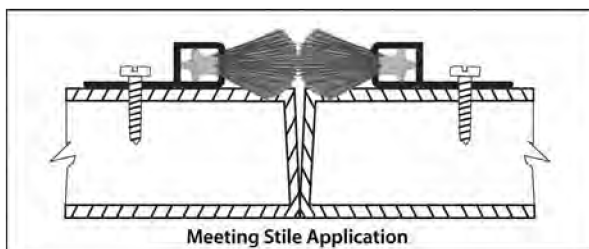
Size Options: (1) 36" piece & (2) 84" pieces for single doors
(1) 48" piece & (2) 84" pieces for single doors (1) 72" piece & (2) 84" pieces for pairs of doors
(3) 96" pieces for pairs of doors
Other sizes available by special order

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #6 x 5/8" sheet metal screws provided and installed in slotted holes 7"-9" apart and not more than 3" from end

Warranty: Limited 3 Year

MA-BR MEETING ASTRAGAL - BRUSH



Specification

Material: 6063-TS Extruded Aluminum Alloy

Seal Material: Heavy Duty Nylon Brush - Black Color

Applications: Meeting Stile, Door Sweep, Perimeter Seal

UL Ratings: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476
Smoke Tested & Listed to meet the requirements of Standards
UL 1784 UBC7-2, Part II and BS476

Overall Height: 1 15/32"

Brush Height: 19/32"

Thickness: 1/4"

Stock Lengths: 84" & 96" (stock) MF and BZ

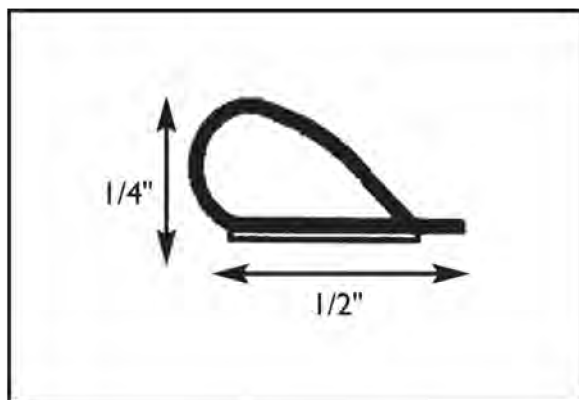
Non Stock Lengths: 32", 36", 42", 48", 60", 72", 96" (special order)

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)

Fasteners: #6 x 5/8" sheet metal screws provided and installed in slotted holes 7"-9" apart and not more than 3" from end

Warranty: Limited 3 Year

SS-S SANTOPRENE SMOKE SEAL



Specification

Material: 6063-TS Extruded Aluminum Alloy

Features: Excellent resistance to compression set, ozone, ultraviolet exposure, fungus and mildew
Flame Retardent

UL Ratings: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards
UL 1784 UBC7-2, Part II and BS476

Width: 1/2"

Height: 1/4"

Stock Lengths: 17' Roll & 21' Roll (25' Roll available for Brown)

Stock Colors: Brown & White

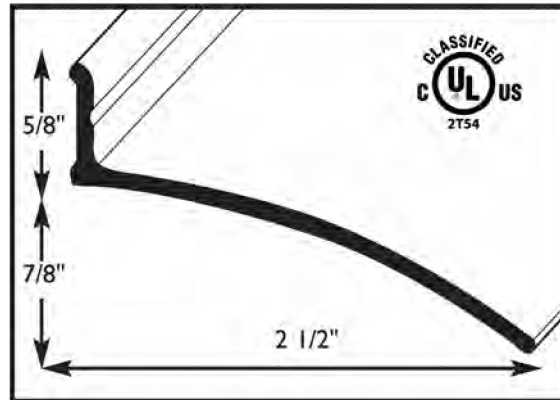
Non Stock Colors: Black

Fasteners: Self Adhesive backing installs easily to door frame

Warranty: Limited 3 Year

DC-1

DRIP CAP - OVERHEAD PROTECTION



Specification

Material: 6063-T5 Extruded Aluminum Alloy

UL Ratings: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours. Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476

Overall Height: 1 1/2"

Mtg. Strip Height 5/8"

Projection: 2 1/2"

Stock Lengths: (40", 76", 104" Mill Finish) (40", 76" Bronze Anodized)

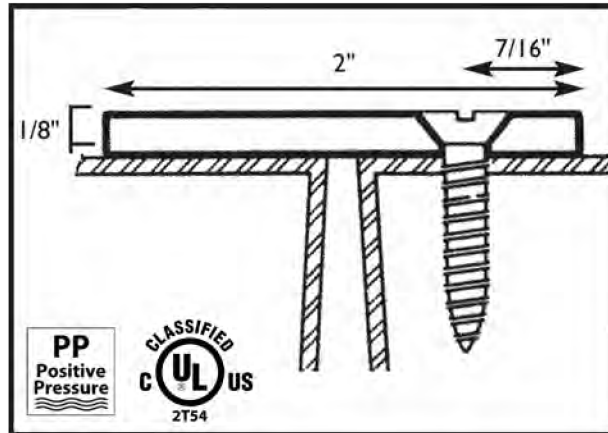
Non Stock Lengths: Other lengths available by special order

Stock Finishes: MF= Mill finish (stock)
BZ = Bronze anodized (stock)
W = White painted (special order)

Fasteners: #6 x 5/8" sheet metal screws provided

Warranty: Limited 3 Year

AS-1 OVERLAPPING MEETING STILE ASTRAGAL



Specification

Material: 6063-TS Extruded Aluminum Alloy

Applications: Used at meeting stiles on pairs of doors to help maintain NFPA 80

UL Ratings: Classified by UL and intended for application to hollow metal fire doors rated up to and including 3 hours, and wood doors rated up to 1 1/2 hours

UL Positive Pressure: Fire Rated & Tested to meet UL 10B & UL 10C, UBC7-2, Part 1 & BS476 Smoke Tested & Listed to meet the requirements of Standards UL 1784 UBC7-2, Part II and BS476

Width: 2"

Thickness: 1/8"

Stock Lengths: 84" & 96" (stock)

Non Stock Lengths: 80", 108", 120" (special order)

Stock Finishes: AA= Clear Anodized (stock)
BZ = Bronze Anodized (stock)

Fasteners: #10 x 1" sheet metal screws provided

Warranty: Limited 3 Year

ETW-BB5 ELECTRIC THRU WIRE HINGES



ETW4-BB5 4.5 x 4.5 x US26D

Electric Hinges are designed for doors that require concealed low voltage current transfer, concealed electric monitoring, or concealed low voltage current transfer with monitoring.

Specification

Features: UL Fire Rated
Provide current transfer to electric mortise or cylindrical locks, exit devices with electric latch retraction, electric strikes used on inactive leaf of a pair of doors, and locks with monitoring or request to exit switches.
UL Rated for 3.5 amp continuous and 16 amp pulse - 400 msec. 50 volts AC/DC

Hinge Weights: Standard weight or Heavy weight models both available

Finishes: US26D, US32D and US10B (other finishes available by special order)

Std. Configurations: ETW2 = 2 Wire - 22 gauge
ETW4 = 4 Wire - 28 gauge
ETW2x4 = 6 Wire (2) 22 gauge & (4) 28 gauge
ETW8 = 8 Wire - 28 gauge
Other configurations available upon request

Warranty: 1 year warranty

E-Z SERIES ELECTRIFIED CYLINDRICAL LOCKS



E-Z-86-F-US26D-24V-FSE



The electrified cylindrical lock allows remote key access and egress control for standard commercial use applications where security and safety is critical. Common applications include computer rooms, meeting rooms, classrooms and interior doors.

Specification

Operating Voltage: Accepts either 12 or 24V AC/DC (10.8V - 26.4V)

Amperage 250mA MAX Inrush, 10mA MAX Holding

Features: UL Listed
Motor driven lock/unlock
Fail Safe/Fail Secure field selectable
Low current draw

Options: REX - Request to exit switch (REX)

Warranty: 1 year warranty

E-M SERIES ELECTRIFIED MORTISE LOCKS



E-M-07-FE-US26D-24V-FSE



The electrified mortise lock allows remote key access and egress control for standard commercial use applications where security and safety is critical. Common applications include computer rooms, meeting rooms, classrooms and interior doors.

Specification

Operating Voltage: Accepts either 12 or 24V AC/DC (10.8V - 26.4V)

Amperage 250mA Max Inrush, 10mA MAX holding

Features: UL Listed
Motor driven lock/unlock
Fail Safe/Fail Secure field selectable
Low current draw

Options: REX - Request to exit switch (REX)
LM - Latch Bolt Monitor
SM - Security Monitoring of Latch bolt

Warranty: 1 year warranty

ELR-1000 ELECTRIFIED EXIT DEVICES



ELR-1 000V 33" US32D 24VDC

ELR-1 000R 33" US32D 24VDC



ELR - Electric latch retraction/hold back exit devices allow for remote keyless access in high occupancy/high traffic conditions such as hospitals, airports, schools and churches. The device may be continuously energized allowing for a push/pull condition if desired.

Specification

Description: 1000 Series Exit Device with DH1550K-MDH kit pre-installed

Operating Voltage: 24VDC Filtered and Regulated

Amperage: 1 AMP MAX inrush, 400mA MAX Holding

Features:

- UL Listed for both Panic and Fire Exit Hardware
- On-Board diagnostic LED indicators
- Automatic retry
- Low power requirements
- Non polarized leads
- Simultaneous latch retraction and dogging (push pad depressed)
- Momentary or maintained operation
- Quiet operation

Options: REX - Request to Exit switch
LBM - Latch Bolt Monitoring

Warranty: 1 year warranty

DH1550K-MDH MOTOR DRIVE ELR KIT



Specification

Application: 1000 Series devices Panic or Fire Rated that need electric latch retraction or electric dogging function

Operating Voltage: 24VDC +/-10% Filtered and Regulated

Current: 1 AMP MAX Inrush, 400mA MAX Holding

Features:

- UL Listed for both Panic and Fire Exit Hardware
- Easily installed in the field with no modifications to exit device
- On-Board diagnostic LED indicators
- Automatic retry
- Low power requirements
- Non polarized leads
- Simultaneous latch retraction and dogging (push pad depressed)
- Momentary or maintained operation
- Quiet operation

Warranty: 1 year warranty

E-LE TRIM ELECTRIFIED LEVER ESCUTCHEON



E-LE-08 US32D-FSE-24V



Our E-LE exit device trims for the 1000 series are perfect for stairwell conditions or applications where electric pull-back of the exit device's latch bolt 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. Because the current draw is quite low there is no need for a more expensive power supply to provide the surge current.

Specification

Application: For use with all 1000 series exit devices (Note: Does not work with 2000 series exit devices)

Operating Voltage: 12 or 24VAC/DC (11V - 30V)

Amperage: 250mA MAX Inrush, 10mA MAX Holding

Features:

- Designed to work with all 1000 series exit devices
- Motor Driven lock/Unlock
- Fail Safe/Fail Secure field selectable
- Low current draw

Warranty: 1 year warranty

ALK-1000 EXIT ALARM KIT

The 1000 Series Exit Alarm Kit is a retrofit kit used to help prevent unauthorized use of an emergency exit door



Specification

- Application** 1000 series rim exit devices, panic or fire rated
- Operation:** Alarm is armed/disarmed by turning key in the mortise cylinder
LED flashes green every 30 seconds to indicate alarm is in armed position
Alarm is activated when push bar is depressed
- Bypass** Alarm can be bypassed by trim/key from the outside
- Battery** 9 Volt battery included, life approximately 1 year - Low battery alert indicated by red flash & chirp every 5 seconds
- Decibel Rating:** Approximately 90 decibels at 15 feet
- Part Numbers:** ALK-1000 33" for standard length devices & ALK-1000 42" for long devices
- Included Parts:** New Slide Cover with LED indicator, Alarm Board, Mounting Plate, Mortise Cylinder, Cylinder Collar, Back Plate, Cylinder Retaining Ring 9 Volt Battery, "Emergency Exit" Sticker for touchpad or door face
- Cylinders:** 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys
1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)
- Finishes:** US3, US4 , US10B, US26, US32D
- Warranty:** Limited lifetime warranty

ALK-2000 EXIT ALARM KIT

The 2000 Series Exit Alarm Kit is a retrofit kit used to help prevent unauthorized use of an emergency exit door



Specification

- Application** 2000 series rim exit devices, panic or fire rated
- Operation:** Alarm is armed/disarmed by turning key in the mortise cylinder
LED flashes green every 30 seconds to indicate alarm is in armed position
Alarm is activated when push bar is depressed
- Bypass** Alarm can be bypassed by trim/key from the outside
- Battery** 9 Volt battery included, life approximately 1 year - Low battery alert indicated by red flash & chirp every 5 seconds
- Decibel Rating:** Approximately 90 decibels at 15 feet
- Part Numbers:** ALK-2000 33" for standard length devices & ALK-2000 42" for long devices
- Included Parts:** New Slide Cover with LED indicator, Alarm Board, Mounting Plate, Mortise Cylinder, Cylinder Collar, Back Plate, Cylinder Retaining Ring
9 Volt Battery, "Emergency Exit" Sticker for touchpad or door face
- Cylinders:** 1 1/8" Mortise cylinder with std. cam (included) - 6 Pin Brass, C Kwy, with 2 Keys
1 3/8" Mortise cylinder housing for 6 or 7 pin Small format IC core (less core)
- Finishes:** AL, BZ and GLD Painted & US32D
- Warranty:** Limited lifetime warranty

EDH ELECTROMAGNETIC DOOR HOLDER



EDH-F Flush Mount x US32D



DH-R Surface Mount x US2



Specification

Application: Designed for use with self-closing fire doors

Voltage: Tri-voltage 12V DC, 24V AC/DC or 120V AC

Amperage: .040 amp @ 12VDC, .020 amp @ 24V AC/DC, .020 amp @ 120V AC

Features:

- UL Listed
- 35lb holding force
- Swivel armature plate with 360 degree adjustability
- Fits standard outlet box (not included - surface mount outlet box sold separately)
- (1) 1" extension included to increase armature projection

Options: EDH Extension set (includes 1 each 1/2", 3/4" & 1" extension)
EDH Surface mount outlet box

Warranty: 1 year warranty



EDH Extension Set 1 each
1": 3/4" & 1/2"



EDH Surface Mount Outlet Box
2 3/4" x 4 1/2" x US28 finish

DHAL125ULX

1 AMP POWER SUPPLY/CHARGER



Batteries Sold Separately

AL125ULX is a Two (2) Output Switching power Supply/Charger that converts a 115VAC 50/60Hz input, into a two (2) individually PTC protected 12VDC or 24VDC outputs.



Specification

- Input:** 115VAC, 50Hz/60Hz, 0.6 amp
Access control trigger input
- Output:** 12VDC or 24VDC selectable output @ 1 amp
- Output Type:** Two (2) Class 2 Rated power limited outputs
1. Fail-Safe/Fail-Secure lock output (switched).
2. Auxiliary power output (unswitched).
- Features**
- Filtered and electronically regulated output
 - PTC protected outputs
 - Short circuit and thermal overload protection
 - Supervised Fire Alarm Disconnect (latching w/ reset or non-latching)
 - AC power and unit status indicator on front panel
- Enclosure:** 13.5"H x 13"W x 3.25"D
Grey painted steel with key lockable cam lock
Accommodates (2) 12VDC/7 AH batteries
- Battery Backup:** Built-in charger for sealed lead acid or gel type batteries (batteries sold separately)
Automatic switch over to stand-by battery when AC fails
Maximum charge current 0.4 amp
- Warranty:** Limited Lifetime warranty

DHEFLOW4NA8D

4 AMP POWER SUPPLY/CHARGER



Batteries Sold Separately

AL125ULX is a Two (2) Output Switching power Supply/Charger that converts a 115VAC 50/60Hz input, into a two (2) individually PTC protected 12VDC or 24VDC outputs.



Specification

Input: 120VAC, 60Hz, 3.5 amp, ACM8CB board is rated at 10A

PS input options: a) (1) common power input for ACMBCB and lock power
b) (2) isolated power inputs-(1) to power the ACM8CB and (1) for lock power (external power supply is required) Current is determined by the power supply connected, not to exceed a maximum of 10 total
(8) Access Control System trigger inputs

Input options: (8) normally open (NO) inputs or (8) open collector inputs or any combination of the above
12VDC or 24VDC outputs @ 4A supply current
Power-limited outputs

Output: (8) independently trigger control outputs
(8) Fail-Safe filtered power output or (8) Fail-Secure filtered power outputs or any combo of the above
(8) unswitched filtered auxiliary power outputs (outputs are rated @ 2A)

Output Options: Over voltage protection & short circuit and thermal overload protection

Fire Alarm Disconnect: (latching or non-latching) is individually selectable for any or all of the eight (8) outputs

FA Disconnect Options: a) Normally open (NO) or normally closed (NC) dry contact Input
b) Polarity reversal input from FACP signaling circuit
Alarm output relay indicates that FACP input is triggered (form "C" contact rated @ 1A 28VDC (not UL)

Supervision: AC fail supervision (form "C" contacts)
Battery fail & presence supervision (form "C" contacts)

Low Power Shutdown: Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

Visual Indicators: Red LEDs indicate outputs are triggered (relays energized)
Green LED indicates FACP disconnect is triggered

Battery backup: Built-In charger for sealed lead acid or gel type batteries (batteries sold separately)
(batteries sold separately) Automatic switch over to stand-by battery when AC fails, no interruption instantaneous switch over
Zero voltage drop when unit switches over to battery backup (AC failure condition)

BTU/Hr.: 12VDC: 25 BTU/Hr. or 24VDC: 50 BTU/Hr.

Warranty: Limited Lifetime