



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



ARCHITECTURAL GUIDE





YOUR PARTNER IN GOING GREEN



LEED, or Leadership in Energy and Environmental Design, is an internationally-recognized green building certification system that Cal-Royal Products subscribes to.

LEED provides building owners and operators with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

LEED is flexible enough to apply to all building types – commercial as well as residential. It works throughout the building lifecycle – design and construction, operations and maintenance, tenant build out, and significant retrofit.

Diverse professionals, including architects, real estate professionals, facility managers, engineers, interior designers, landscape architects, construction managers, lenders and government officials all use LEED to help transform the building environment to sustainability.

State and local governments across the country are adopting LEED for public-owned and public-funded buildings. They are also providing financial incentives for buildings that become LEED certified, by way of discounted or fast track building permits.

Federal agencies, including the Departments of Defense, Agriculture, Energy, and State, have LEED initiatives.

And LEED projects are in progress in 41 different countries – among these Canada, Brazil, Mexico and India.

Here at Cal-Royal Products, “GOING GREEN” is not just a motto or a slogan. It’s a commitment, that’s why a majority of our products are environmentally friendly. We have required our manufacturers and suppliers to increase their utilization of green materials. We also required them to provide us information on the percentages of recyclable materials that they used in manufacturing our products so you can use this information for various LEED credits.

In conjunction with offering environmentally friendly products, we are also giving our valued customers the option to receive their invoices, purchase order confirmations, sales orders, monthly statements and other paper-based information thru e-mail.

Achieving LEED certification is a significant accomplishment, and sharing your success encourages others to follow your lead. A LEED-certified project can market itself as truly green by using the LEED logo.

See how your next building project can become LEED certified by visiting <http://usgbc.org>

The following list is a sample of the hotels and U.S. government agencies, which have used our products. These hotels and government facilities are valued in the international and domestic market.

Private, Government Organizations and Hotel List

Four Seasons Hotel	Egypt	Monte Carlo Hotel	Las Vegas, NV
JW Marriott & Marriott Hotels	Worldwide	Circus Circus Hotel	Las Vegas, NV
Sheraton Hotels	Worldwide	MGM Hotel	Las Vegas, NV
Westin Hotels	Worldwide	Sheraton Hotel	New Orleans, LA
Hilton & Double Tree Hotels	Worldwide	Oasis Hotel	Cancun, MX
Holiday Inn / Holiday Inn Exp	Worldwide	Comfort Inn Suites	Duluth, GA
Comfort Inns	Worldwide	West Side Church	Lexington, KY
Red Roof Inns	Worldwide	Comfort Inn Suites	South Bend, IN
Radison Hotels	Worldwide	Don Cesar Beach Resort	Florida
Sun Suite & Affiliates	Worldwide	Whitney Manor	Cheshire, CT
Embassy Suites	Worldwide	Sun Suites	Georgia
San Stefano Four Seasons Hotel	Egypt	Spring Hill Suites	Ft. Lauderdale, FL
Sofitel Pyramid Hotel	Egypt	Hawthorn Suites	Indianapolis, IN
Cairo Airport	Egypt	First Assembly of God	Delphi, IN
Intercontinental Hotel	Egypt	Resolute Child Development	Indianapolis, IN
Kuwait Embassy	El Gouna, Egypt	Christ the Savior Church	Indianapolis, IN
American Embassy	Cairo, Egypt	Far Best Foods	Indianapolis, IN
McGuire (Air Force Base)	Maadi, Egypt	Free Methodist Church	Murfreesboro, KY
US Federal Court Office Building	Wrightstown, NJ	Southport Christian Church	Southport, IN
IRS Office Buildings	Washington D.C.	Country Inn & Suites	Marion, IN
Dover Air Force Base	U.S.A.	Valley Mills Christian	Owensboro, KY
International Trade Offices	Dover, Delaware	First Lutheran Church	Louisville, KY
YMCA Offices	Portsmouth, ME	Universal Towers	Orlando, FL
Pentagon Office Buildings	S. Portland, NH	Andy Mohr Ford Dealership	Plainfield, IN
Fort Carson	Washington D.C.	Various Amusement Parks in FL	Florida
Camp Lejeune	Colorado Springs, CO	Philadelphia School District	JFK Center
Beals Dept. Stores	Camp Lejeune, NC	Auction Broadcasting Offices	Indianapolis, IN
US Customs Office Buildings	Florida	AMLI @ Riverbed Rehab Offices	Indianapolis, IN
Cook Building Office Buildings	Tampa, FL	Howard Johnson	Albany, GA
Ohio State University	Bloomington, IN	Columbia Park Hotel	Salt Lake City, UT
North State University	Columbus, OH	Hampton Inn	Seneca, SC
Marriott Springhill Suites	Denton, TX		
	San Antonio, TX		



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Hinges

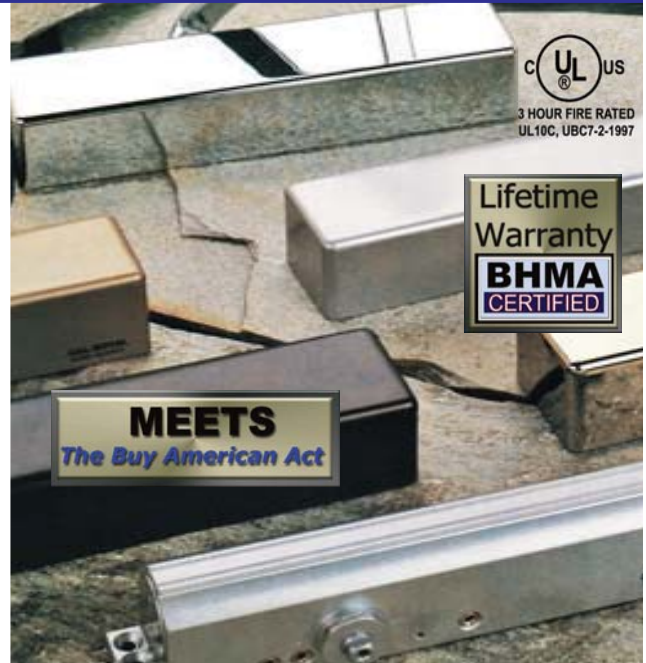
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900 Series

GRADE 1 • ANSI A.156.4 • UL LISTED
BHMA CERTIFIED • LIFETIME WARRANTY

- Universal application, non-handed for standard, top-jamb or parallel arm installation, optional heavy duty arms
- Non-sized, size 1 thru 6 adjustable power range, FACTORY PRESET SIZE 3
- UL-approved for fire doors, up to 3-hour rating
- Conforms to UL standards UL10C and UBC7-2-1997
- Cast aluminum body with standard full plastic cover
- Barrier-free meets ADA regulation, Sizes 1 thru 6, with reduced spring power to provide easier opening for handicapped or elderly
- Standard adjustable back check function
- Adjustable closing and latching speed by two separate regulating valves
- Spring tension gauge for easy adjustment
- Self-tapping screws and sex bolts standard package
- Extended long arm for top jamb mount with deep reveals
- Optional adjustable Delayed Action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0°, Delay time easily adjusted up to 1 minute
- Optional Slide Track Arm, Parallel Hold Open Adjustable Arm, Extra Heavy Duty Arm/ Hold Open Arm for potentially abusive installation
- Alum, Duro, Gold and Stainless Steel. Architectural finishes available



ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
N900-PBF	1-6	30 – 260 lbs	STANDARD	YES	YES	OPTIONAL	N/A
N900-PBFDA	1-6		STANDARD	YES	YES	OPTIONAL	YES

CR441 Series

GRADE 1 • ANSI A.156.4 • UL LISTED
BHMA CERTIFIED • LIFETIME WARRANTY

- Universal application, non-handed for standard, top-jamb or parallel arm installation, optional heavy duty arms
- Non-sized, size 1 thru 6 adjustable power range, FACTORY PRESET SIZE 3
- UL-approved for fire doors, up to 3-hour rating
- Conforms to UL standards UL10C and UBC7-2-1997
- Cast iron body with standard full plastic cover (optional metal)
- Barrier-free meets ADA regulation, engineered with reduced spring power to provide easier opening for handicapped or elderly
- Standard adjustable back check function
- Adjustable closing and latching speed by two separate regulating valves
- Spring tension gauge for easy adjustment
- Self-tapping screws and sex bolts standard package
- Optional adjustable Delayed Action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0°, Delay time easily adjusted up to 1 minute (CR441DA)
- Optional Parallel Hold Open Arm, Extra Heavy Duty Arm / Hold Open Arm for potentially abusive installation
- Alum, Duro, Gold, Stainless Steel and Architectural finishes available



ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
CR441	1-6	60 – 260 lbs	STANDARD	YES	YES	OPTIONAL	N/A
CR441DA	1-6		N/A	YES	YES	OPTIONAL	YES

CR801 Series

GRADE 1 • ANSI A.156.4 • UL LISTED
BHMA CERTIFIED • LIFETIME WARRANTY

- Universal application, non-handed for standard, top-jamb or parallel arm installation, optional heavy duty arms
- Non-sized, size 1 thru 6 adjustable power range, FACTORY PRESET SIZE 3
- UL-approved for fire doors, up to 3-hour rating
- Conforms to UL standards UL10C and UBC7-2-1997
- Cast aluminum body with standard slim plastic cover (CR801S) and standard full plastic cover (CR801)
- Standard adjustable back check function
- Adjustable closing and latching speed by two separate regulating valves
- Standard self-tapping screws and sex bolts standard package
- Barrier free, meets ADA regulation, engineered with reduced spring power to provide easier opening for handicapped or elderly
- Optional adjustable Delayed Action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0°, delay time easily adjusted up to 1 minute (CR801SDA and CR801DA)
- Optional Slide Track Arm, Parallel Hold Open Arm, Extra Heavy Duty Arm / Hold Open Arm for potentially abusive installation
- Alum, Duro and Gold finishes available



ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
CR801S	1-6	30 – 260 lbs	STANDARD	SLIM	YES	OPTIONAL	N/A
CR801SDA	1-6		STANDARD	SLIM	YES	OPTIONAL	YES
CR801	1-6		STANDARD	FULL	YES	OPTIONAL	N/A
CR801DA	1-6		STANDARD	FULL	YES	OPTIONAL	YES

300 Series

GRADE 1 • ANSI A.156.4
UL LISTED • LIFETIME WARRANTY

- Universal Hole Pattern, Size 4 body replacement
- Non-sized, size 1-4 and 3- 6 adjustable power range, Factory Preset Size 3
- Universal application, non-handed for standard, top-jamb or parallel arm installation , optional heavy duty arms
- UL-approved for fire doors, up to 3-hour rating
- Conforms to UL standards UL10C and UBC7-2-1997
- Cast aluminum body with standard full plastic cover
- Barrier-free meets ADA regulation, with reduced spring power to provide easier opening for handicapped or elderly
- Standard adjustable back check function
- Adjustable closing and latching speed by two separate regulating valves
- Self-tapping screws standard package
- Optional adjustable Delayed Action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0°, delay time easily adjusted up to 1 minute
- Optional Parallel Hold Open Arm
- Alum, Duro, Gold and Polished Brass finishes available



ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
300-PCOV	3-6	85 – 260 lbs	STANDARD	YES	YES	OPTIONAL	N/A
300-PBFCOV	1-4	30 – 185 lbs	STANDARD	YES	YES	OPTIONAL	N/A
300PBFDA COV	1-4		STANDARD	YES	YES	OPTIONAL	YES

700 Series

GRADE 1 • ANSI A.156.4 • UL LISTED
BHMA CERTIFIED • LIFETIME WARRANTY

- Universal application, non-handed, designed for all standard top-jamb or parallel arm installations
- Universal hole pattern, Size 4. Hold Open Arm (optional)
- Cast aluminum body, sized spring power 2, 3, 4 and 5
- Conforms to UL standards UL10C and UBC7-2-1997, Lifetime Warranty
- UL-approved for fire doors, up to 3-hour rating
- Dual valve, closing and latching speed controlled by two separate regulating valves
- Adjustable closing and latching speed by two separate regulating valves
- Self-tapping screws standard package
- Power adjustment bracket on regular arms (15% adjustment, $\pm 7\frac{1}{2}\%$)
- Optional Hold Open Arm, for regular and parallel installations
- Optional adjustable back check function
- Optional Slim plastic cover
- Alum, Duro, Gold finishes available



ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
720	2	55 - 100 lbs	N/A	OPTIONAL	N/A	OPTIONAL	N/A
730	3	88 - 143 lbs	N/A				
730BC	3		YES				
740	4	120 - 187 lbs	N/A				
740BC	4		YES				
750	5	176 - 265 lbs	N/A				
750BC	5		YES				

400 Series

GRADE 2 • ANSI A.156.4 • 5-YEAR WARRANTY
UL LISTED UL10C AND UBC7-2 1997

- Universal application, non-handed, designed for all standard top-jamb or parallel arm installations
- Cast aluminum body, sized spring power 2, 3 and 4
- Conforms to UL standards UL10C and UBC7-2-1997, 5-year warranty
- Factory tested to meet or exceed Grade 2 ANSI standard 156.4
- Dual valve, closing and latching speed controlled by two separate regulating valves
- Adjustable closing and latching speed by two separate regulating valves
- Streamlined design permits installation on most commercial and residential applications without adaptors
- Power adjustment bracket on regular arms (15% adjustment, $\pm 7\frac{1}{2}\%$)
- Optional adjustable back check function
- Optional Hold Open Arm, for regular and parallel installations
- Optional Full Cover, fits all sizes COV/400
- Alum, Duro and Gold finishes available

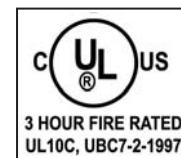
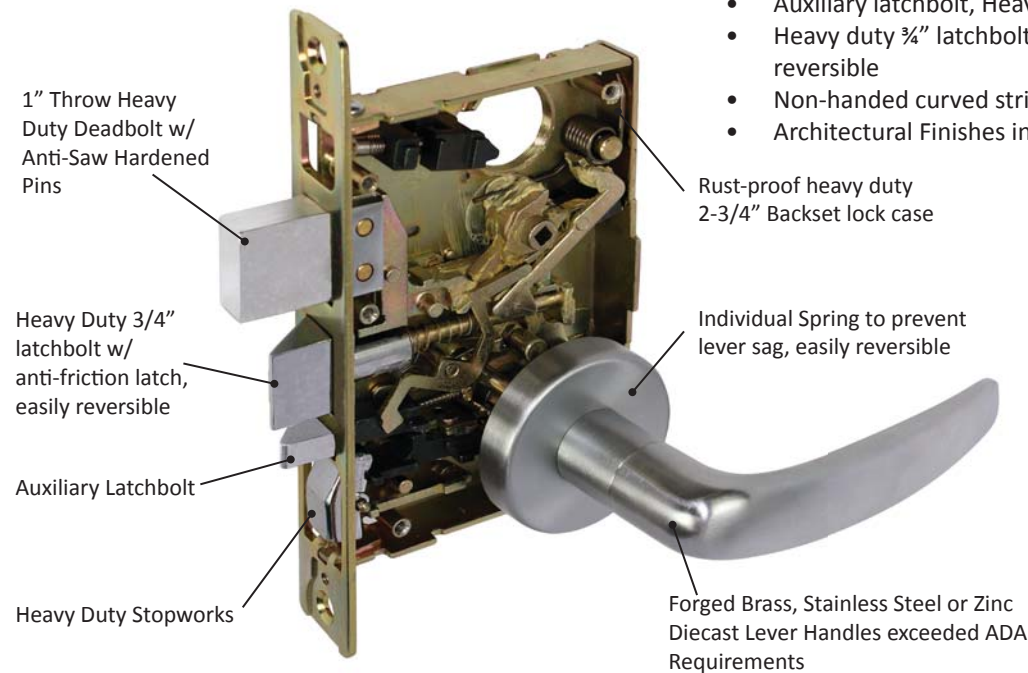


ITEM#	SIZE	DOOR WEIGHTS	BACK CHECK	FULL COVER	BARRIER FREE	HOLD OPEN	DELAYED ACTION
420P	2	55 - 100 lbs	N/A	OPTIONAL	N/A	OPTIONAL	N/A
430P	3	88 - 143 lbs	N/A				
SM430-P	3		N/A				
430-PBC	3		STANDARD				
440P	4	120 - 187 lbs	N/A				

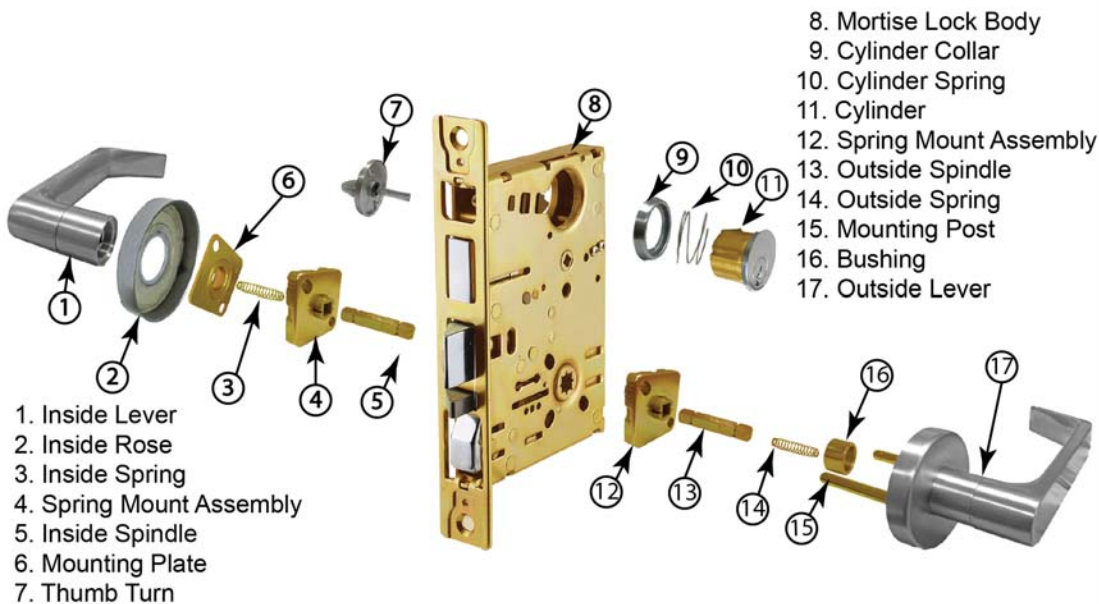
NM Series

GRADE 1 • HEAVY DUTY • ANSI A.156.13, SERIES 1000
UL 3 HOUR RATING • BHMA CERTIFIED • LIFETIME WARRANTY

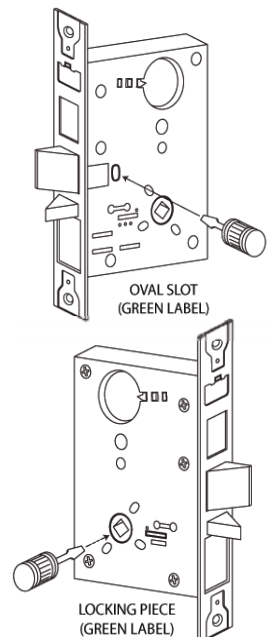
- **Grade 1**, heavy duty Mortise lockset, Meets and exceeds requirements of BHMA/ANSI A156.13, Series 1000
- UL listed "A" label (3 hour), for use on fire doors, single or pairs
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application, forged brass, zinc diecast, or stainless steel lever handle
- Individual spring on each side to prevent lever sag, maintain reliability and reduce maintenance
- Rekeyable and easily reversible For doors 1 3/4" thick. Optional up to 2" – 2 1/4" thick doors
- Rust-proof heavy duty 2 3/4" backset lock case
- Armored front plate conceals lock mounting screws
- 1" throw heavy duty deadbolt with anti-saw hardened pins
- Auxiliary latchbolt, Heavy duty stopworks
- Heavy duty 3/4" latchbolt with anti-friction latch, easily reversible
- Non-handed curved strike 4 7/8" x 1 1/4"
- Architectural Finishes including stainless steel available



NM SERIES EXPLODED VIEW








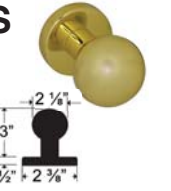






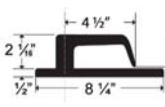





HOW TO CHANGE HANDING









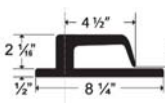






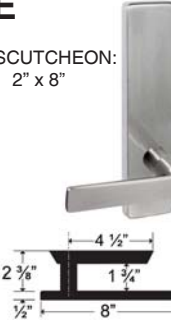



NM Series

GRADE 1 • HEAVY DUTY • ANSI A.156.13, SERIES 1000
UL 3 HOUR RATING • BHMA CERTIFIED • LIFETIME WARRANTY

SECTIONAL TRIMS

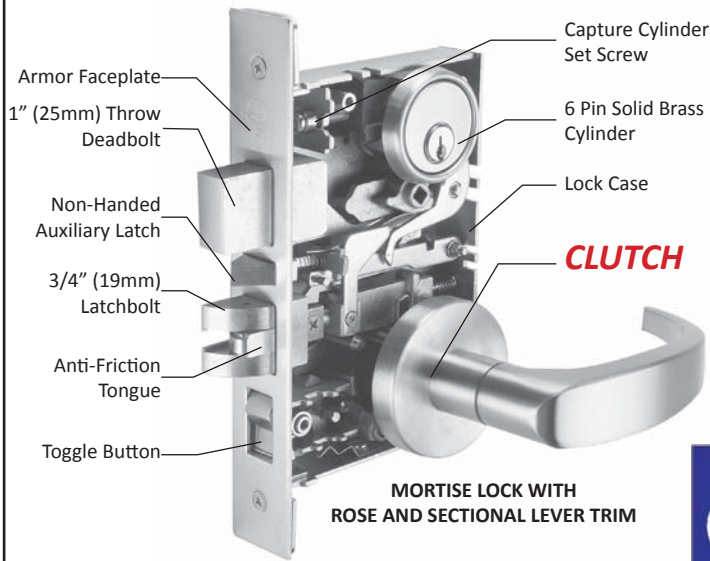
CS  5" x 2 3/8" x 2 3/8" x 1/2"	DS  4 3/8" x 1 3/4" x 2 3/8" x 1/2"	HS  5" x 2 3/8" x 2 1/4" x 1/2"	VS  3 3/4" x 2 3/8" x 2 1/4" x 1/2"	YS  4 7/8" x 2 3/8" x 2" x 1/2"	KS  2 1/4" x 3" x 1/2" x 2 3/8"
SS  4 1/2" x 2 3/8" x 1/2" x 3/8"	TS  5 1/4" x 2 3/8" x 1/2" x 3/8"	JS  4 3/8" x 3" x 2 3/8" x 3/8"	GS  4 1/2" x 2 3/8" x 2" x 1/2"	FS  4 1/2" x 2 3/8" x 1 1/8" x 1/2"	<p>WIDE ESCUTCHEON TRIM</p> <p>ESCUTCHEON : 2 1/2" x 8 1/4"</p>  
IS  4 1/2" x 2 3/8" x 2 1/8" x 1/2"	MS  4 1/2" x 2 3/8" x 1 1/8" x 1/2"	QS  4 1/2" x 2 3/8" x 1 1/8" x 1/2"	RS  4 1/2" x 2 3/8" x 2" x 1/2"	ZS  4 1/2" x 2 3/8" x 2" x 1/2"	

ESCUTCHEON TRIMS

CE ESCUTCHEON: 2" x 8"  5" x 2 3/8" x 1 3/8" x 1/2" x 8"	DE ESCUTCHEON: 2" x 8"  4 3/8" x 1 3/4" x 2 3/8" x 1/2" x 8"	HE ESCUTCHEON: 2" x 8"  5" x 2 3/8" x 1 3/4" x 1/2" x 8"	VE ESCUTCHEON: 2" x 8"  3 3/4" x 2 3/8" x 1 3/4" x 1/2" x 8"	YE ESCUTCHEON: 2" x 8"  4 7/8" x 2 3/8" x 1 1/8" x 1/2" x 8"	<p>WI Series</p> <p>TO ORDER: REPLACE "NM" WITH "WI" ON THE PART#</p>  
SE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	TE ESCUTCHEON: 2" x 8"  5 1/4" x 2 3/8" x 1 1/8" x 1/2" x 8"	JE ESCUTCHEON: 2" x 8"  4 3/8" x 3" x 2 3/8" x 1/2" x 8"	GE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	KE ESCUTCHEON: 2" x 8"  2 3/8" x 3" x 1/2" x 8"	
FE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	IE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	ME ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	QE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 3/8" x 1/2" x 8"	RE ESCUTCHEON: 2" x 8"  4 1/2" x 2 3/8" x 1 1/2" x 1/2" x 8"	

SC Series

GRADE 1 • HEAVY DUTY • ANSI A.156.13 - 2005
UL 3 HOUR RATING • BHMA CERTIFIED • LIFETIME WARRANTY



MORTISE LOCK WITH ROSE AND SECTIONAL LEVER TRIM



MORTISE LOCK WITH WIDE ESCUTCHEON AND LEVER TRIM

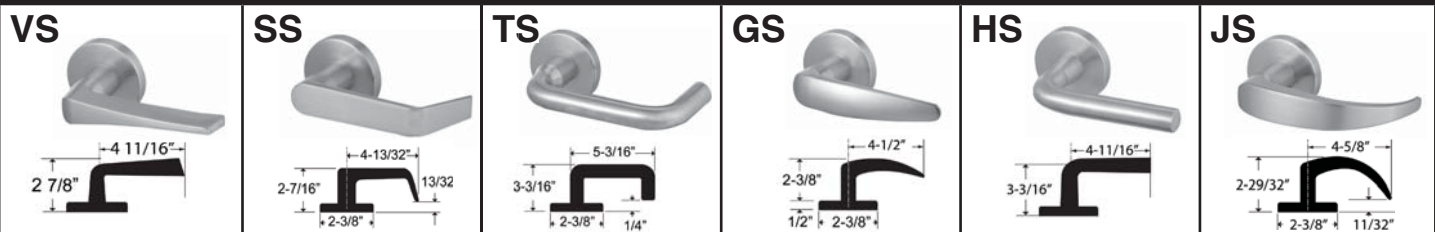


HEAVY DUTY MORTISE DEADLOCK

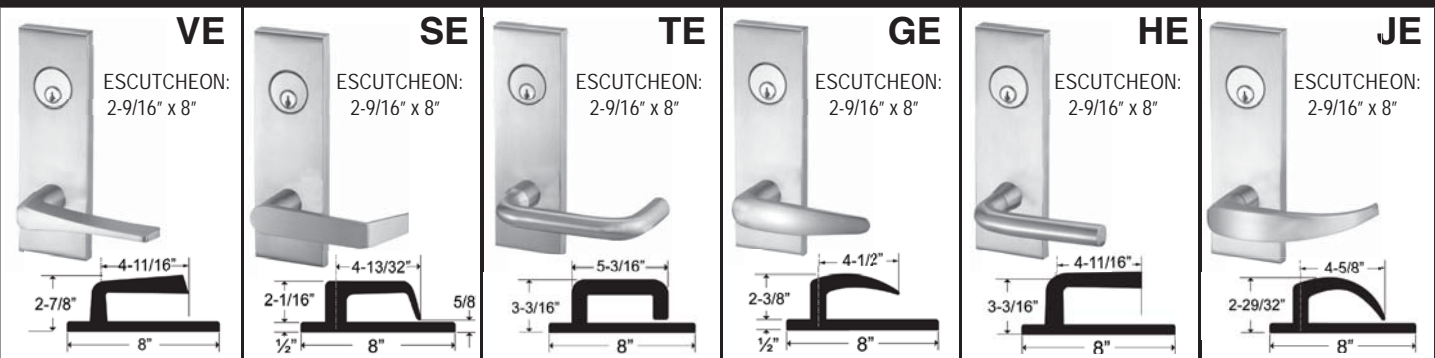


- Full reversible design
- No exposed mounting screws on outside and inside trims
- **Can retrofit Schlage L9000 Series mortise lock without drilling any additional holes on the door for sectional and escutcheon trims**
- Outside lever is **Clutch** Freewheeling design. The lever rotates when the lever is locked preventing excessive force from being applied to the horizontal lever. This design decreases the chance of the lever being broken or damaged

SECTIONAL TRIMS

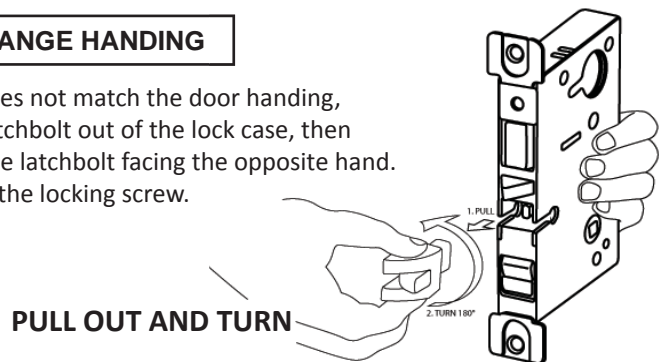
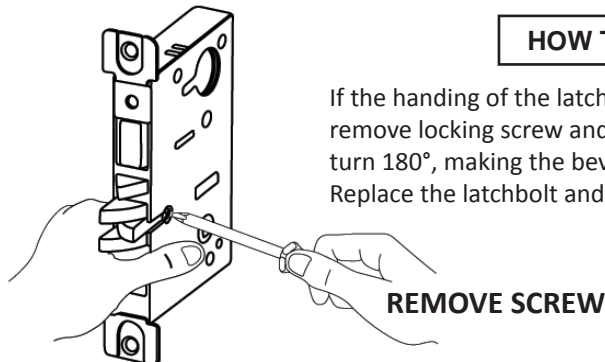


ESCUTCHEON TRIMS



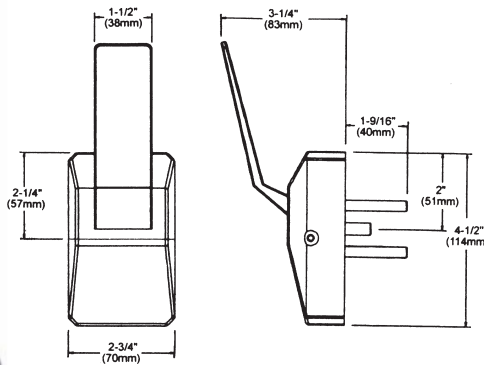
HOW TO CHANGE HANDING

If the handing of the latchbolt does not match the door handing, remove locking screw and pull latchbolt out of the lock case, then turn 180°, making the bevel of the latchbolt facing the opposite hand. Replace the latchbolt and fasten the locking screw.



SC Series

GRADE 1 • HEAVY DUTY HOPITAL LATCH PUSH-PULL TRIM WITH MORTISE LOCK



FEATURES

- The push-pull trim can be mounted in vertical (up or down) and horizontal orientations in field
- Through-bolted design for trims with lockcase in stability
- Handling is easily field reversible
- Fits 1 3/4" (44mm) thick standard RHR or LHR hollow metal doors & wood doors
Also available for other door thickness. Specify door thickness when ordering
- Push-Pull trim is non-handed, easy installation
- Mortise lock functions available (recommended): F01, F04, F05, F09, F11, F13, F14, F19 F20, F22, F30
- Handles are cast stainless steel, corrosion protected
- Patented in USA and UL Listed
- Available in BHMA finishes



FUNCTIONS FOR SC SERIES HOSPITAL LATCH TRIMS

SINGLE CYLINDER WITH DEADBOLT				DOUBLE CYLINDER WITHOUT DEADBOLT	
ANSI F20 	ANSI F13 	ANSI F21 	ANSI F04 	ANSI F09 	ANSI F30
SC8453HL	SC8456HL	SC8473HL	SC8050HL	SC8060HL	SC8082HL
Entrance	Corridor / Exit	Dormitory / Bedroom	Office	Apartment Entrance / Vestibule	Institution Lock
DOUBLE CYLINDER W/O DEADBOLT	SINGLE CYLINDER W/O DEADBOLT	DOUBLE CYLINDER WITH DEADBOLT	OTHER FUNCTIONS		
ANSI F14 	ANSI F05 	ANSI F11 	ANSI F19 F22 	ANSI F01 	 3 HOUR FIRE RATED UL10C, UBC7-2-1997
SC8466HL	SC8070HL	SC8411HL	SC8040HL	SC8010HL	
Storeroom / Utility	Classroom Lock	Dormitory / Exit Lock	Privacy Bedroom / Bath	Passage	

NM & SC SERIES ELECTRIFIED MORTISE LOCKS

ADA THUMBTURN

OTHER OPTIONS



FEATURES:

- UL and CSFM Listings
- Continuous duty solenoids for cooler operation during "continuously on" applications
- Standard plug-in rectifier allows for an AC or DC power source
- Low current draw
- Numerous switch options
- 3 year "No Hassle" warranty

OPTIONS:

- Voltage requirement -12V AC/DC or 24V AC/DC
- Amperage - 700mA @ 12V or 350mA @ 24V
- Function - available "Fail Safe" (FS) or "Fail Secure" (FSE)
- REX - Request to Exit. Available on M8080 and M8453 functions only



Optional
ADA Thumbturn

- LEAD LINING
- ANTI-MICROBIAL COATING
- TACTILE
- For 2" up to 2 1/4" Thick door Order kit

SERIES	SECTIONAL
NM	SSMKIT214
SC	SSSCKIT214
SERIES	ESCUTCHEON
NM	SEMKIT214
SC	SESSKIT214

LG Series

GRADE 1 • HEAVY DUTY • ANSI A.156.13 - 2005
ANTI-LIGATURE MORTISE LOCK



ESCUTCHEON LEVER



ESCUTCHEON KNOB



SECTIONAL LEVER



SECTIONAL KNOB

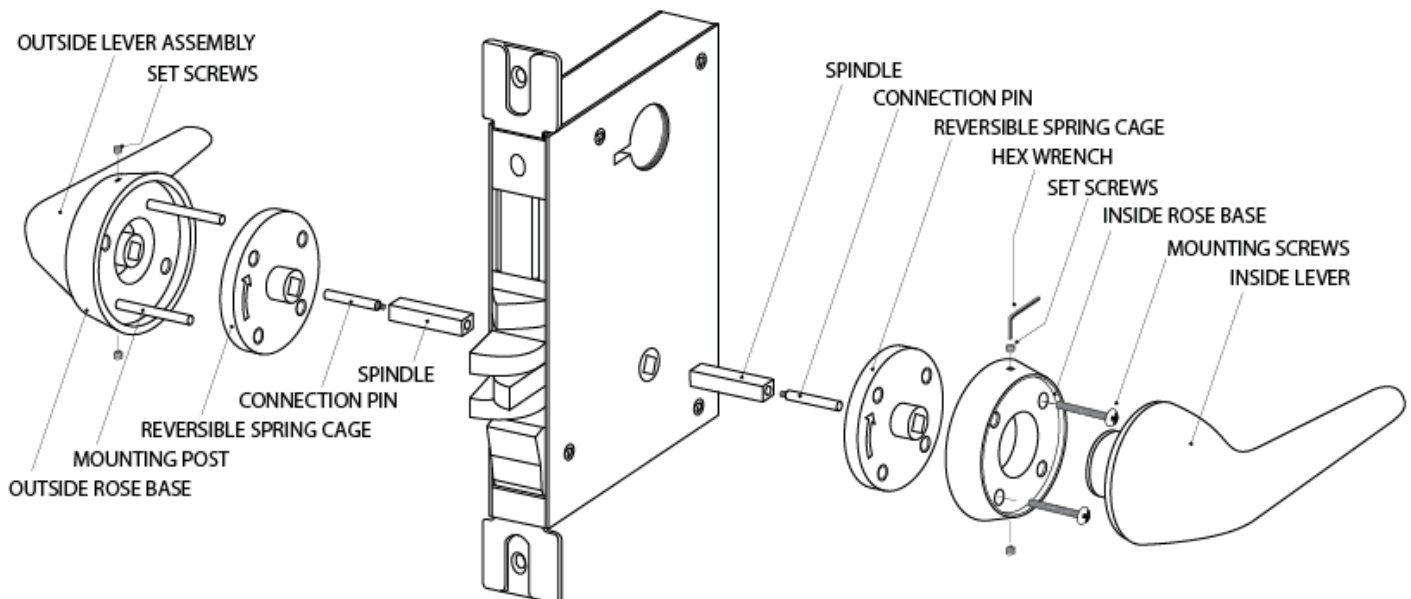
FEATURES

- ANSI A156.13-2005 Grade 1 mortise locks
- Outside lever clutch free-wheeling design. The lever rotates when the lever is locked preventing excessive force from being applied to the horizontal lever. This design decreases the chance of the lever being broken or damaged
- Anti-ligature lever design prevents intentional or accidental hanging
- Anti-vandal cylinder guard is standard, deters forcible removal of cylinder with any type of wrench or hammer
- Different functions available to satisfy individual security and safety requirements
- Tamper resistant mounting set screws
- Non-handed, fully field reversible
- Heavy duty escutcheon and sectional trim available
- No exposed mounting screws
- Can retrofit Schlage L9000 Series mortise lock bodies








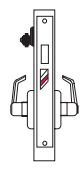
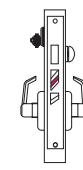
CERTIFICATIONS

- Meets ANSI/BHMA A156.13 Series 1000 Grade 1 Requirements
- UL and cUL listed to Canadian safety standard for A label (3-hour fire door); stamped letter "F" and UL symbol on armor faceplate
- Meet positive pressure requirements UL 10C and UBC 7-2 (1997)







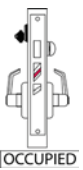


NM, SC AND AL SERIES FUNCTIONS FOR SECTIONAL AND ESCUTCHEON TRIMS

SINGLE CYLINDER WITH DEADBOLT

	ANSI F29 	ANSI F21 	ANSI F17 	ANSI F18 	ANSI F65 	
NM8056 SC8056 LG8056	NM8463 SC8463	NM8473 SC8473 LG8473	NM8460 SC8460	NM8464 SC8464	NM8465 SC8465 LG8465	NM8480 SC8480 LG8480
Office with Automatic Locking	Classroom Lock	Dormitory / Bedroom	Cylinder x Thumbturn Lock	Cylinder Lock	Closet / Storeroom	Storeroom Lock With Deadbolt







SINGLE CYLINDER WITH DEADBOLT







DOUBLE CYL W/O DEADBOLT

ANSI F20 	ANSI F13 	 OCCUPIED		 OCCUPIED	ANSI F09 	ANSI F30 
NM8453 SC8453 LG8453	NM8456 SC8456 LG8456	NM8495 SC8495 LG8495	NM8485 SC8485 LG8485	NM8486 SC8486 LG8486	NM8060 SC8060 LG8060	NM8082 SC8082 LG8082
Entrance	Corridor / Exit	Privacy with "OCCUPIED" indicator	Faculty Restroom Lock	Faculty Restroom with "OCCUPIED" indicator	Apartment Entrance / Vestibule	Institution Lock

SINGLE CYLINDER WITHOUT DEADBOLT

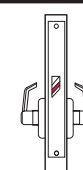
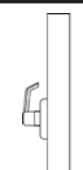

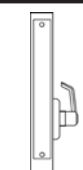
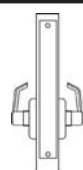


DOUBLE CYL W/O DEADBOLT

ANSI F04 	ANSI F05 	ANSI F06 	ANSI F07 		
NM8050 SC8050 LG8050	NM8070 SC8070 LG8070	NM8076 SC8076 LG8076	NM8080 SC8080 LG8080	NM8071 SC8071 LG8071	NM8077 SC8077 LG8077
Office / Entrance	Classroom	Classroom Holdback Lock	Storeroom	Classroom Security Lock	Classroom Security Holdback Lock

ANSI F02 F22 F19 			 OCCUPIED		
NM8040 SC8040 LG8040	NM8044 SC8044 LG8044	NM8444 SC8444 LG8444	NM8445 SC8445 LG8445	NM8457 SC8457 LG8457	NM8458 SC8458 LG8458
Privacy with Deadbolt	Privacy with Coin Turn Outside	Privacy with Deadbolt and Coin Turn Outside	Privacy w/ Deadbolt Coin Turn Outside "OCCUPIED" indicator	Classroom Security Lock with Deadbolt	Classroom Security Lock with Deadbolt & Auxiliary Lock

WITHOUT CYLINDER WITHOUT DEADBOLT

DOUBLE CYL W/ DEADBOLT

ANSI F01 					ANSI F14 	ANSI F16 
NM8010 SC8010 LG8010	NM8170 SC8170 LG8170	NM8172 SC8172 LG8172	NM8175 SC8175 LG8175	NM8176 SC8176	NM8466 SC8466 LG8466	NM8462 SC8462
Passage	Single Fixed Dummy	Double Fixed Dummy	Single Dummy Trim with Lock Case	Double Dummy Trim w/ Lock Case	Store / Utility	Double Cylinder Lock

HEAVY DUTY ANSI 156.5 GRADE 1 SMALL LOCK CASE	MORTISE DEADBOLTS	HEAVY DUTY ANSI 156.13 GRADE 1 FULL MORTISE
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UL US
3 HOUR FIRE RATED
UL10C, UBC7-2-1997

Lock Case:
3 15/16" x 3 3/8" x 1"
(100 mm x 92 mm x 25 mm)

Faceplate:
1 1/4" x 5 19/32" x 7/32"
(32 mm x 142 mm x 6 mm)

Strike:
1 1/8" x 3 1/2" (29 mm x 89 mm)

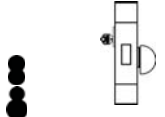
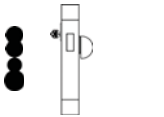
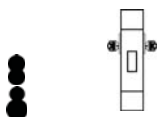
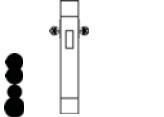
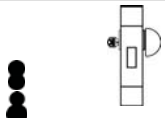
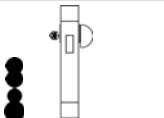
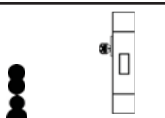
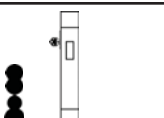
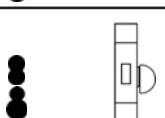
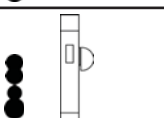
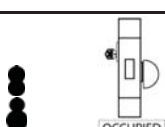
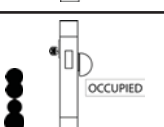
- Any door in commercial or institutional buildings where the best auxiliary Mortise deadbolt locks are required
 - Backset: 2 3/4" (70 mm)
 - Door Range: 1 3/4" (44 mm), available to 2 1/4" (57 mm). Specify thickness if other than 1 3/4"
 - Deadbolt: 1" (25 mm) throw, stainless steel, can withstand cutting or sawing
 - Cylinder: 1 1/8" Mortise cylinder Schlage "C" (standard). Otherwise specify
 - Heavy Gauge Steel Lock Case
 - Brass Deadbolt with Hardened Steel Inserts 1" Throw
 - Architectural Finishes including stainless steel available
- Mortise Cylinder
- Cylinder length is 1 1/8" (under shoulder including cam)
 - With clover leaf cam
- 



UL US
3 HOUR FIRE RATED
UL10C, UBC7-2-1997

	NM SERIES	SC SERIES
LOCK CASE	4" x 5 3/4" x 1"	4" x 6 1/32" x 1 5/16"
	102 mm x 146 mm x 25.4 mm	102 mm x 153 mm x 24 mm
FACE PLATE	1 1/4" x 8" x 1/8"	1 7/32" x 8" x 1/8"
	32 mm x 203 mm x 3.175 mm	31.3 mm x 203 mm x 3.3 mm
STRIKE	1 1/8" x 4 7/8"	1 1/8" x 4 27/32"
	29 mm x 124 mm	29 mm x 123 mm

MODEL #	FUNCTIONS	MODEL #
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<p>SM4608 ANSI E06071</p> 	<p>Cylinder and Thumbturn Deadbolt thrown or retracted by key outside or thumbturn inside</p>	<p>M8460 SC8460 ANSI F17</p> 
<p>SM4628 ANSI E06061</p> 	<p>Double Cylinder Deadbolt operated by key on either side</p>	<p>M8462 SC8462 ANSI F16</p> 
<p>SM4638 ANSI E06091</p> 	<p>Classroom Lock Deadbolt thrown or retracted by key from outside Inside cylinder turn retracts deadbolt but cannot project it. Specify handing</p>	<p>M8463 SC8463 ANSI F29</p> 
<p>SM4648 ANSI E06081</p> 	<p>Cylinder Lock Deadbolt thrown or retracted by key from one side. No trim on opposite side</p>	<p>M8464 SC8464 ANSI F18</p> 
<p>SM4808</p> 	<p>Door Bolt Deadbolt thrown or retracted by thumbturn from one side. No trim on opposite side</p>	<p>M8480 SC8480</p> 
<p>SM4968</p> 	<p>Deadbolt With "Occupied" Indicator Deadbolt thrown or retracted by key outside or thumbturn inside. When deadbolt is thrown "OCCUPIED" plate is displayed</p>	<p>M8496 SC8496</p> 

PACKAGING INCLUDES

- UL listed single point latch
- Standard "C", 6 pin cylinder
- Non-handed strike

OPTIONAL INTERCHANGEABLE CORE

- For Best, Falcon and Arrow Interchangeable Core prefix "IC" before Part#. (Mortise housing Part# ICH961387)
- For Schlage Large Format Interchangeable Core prefix "ICSC" before Part#. (Mortise housing Part# 7000ICMC)



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

HP Series

GRADE 1 • HEAVY DUTY
TUBULAR HOSPITAL LATCH • PUSH-PULL TRIM

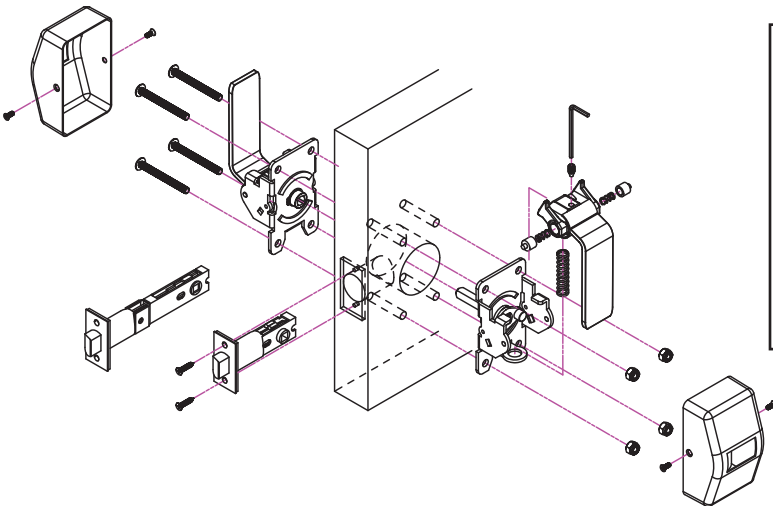
FEATURES

- UL-listed for use on all fire doors
- Meets ADA requirements
- Ideal for use in hospitals, washrooms or public buildings
- Can be installed in 6 different positions depending on the need of the opening
- Covers and paddles are made of stainless steel
- Non-Handed
- Standard ASA Strike
- 1 3/4" door thickness
- 2 3/4" backset standard, face plate 1 1/8" x 2 1/4"
- Optional 5" backsets
- 2 5/8" X 4 3/8" Covers
- 2 5/8" Handle Projection Anti-microbial coating option available
- Lead lining option available for doors with lead lining



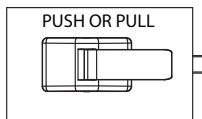
HOSPP-30

MODEL#	FUNCTION	FINISH
HOS-PP20	PRIVACY	US32D
HOS-PP30	PASSAGE	

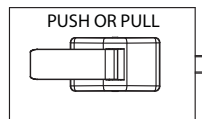


The hospital push/pull latch allows for easy opening of doors with an easy push or pull action using elbows or hips when hands are not free.

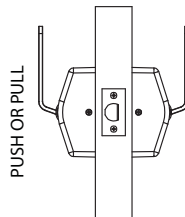
Ideal for use in commercial applications, institutions, hospitals, washrooms or public buildings.



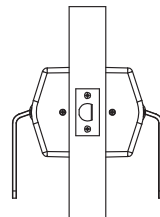
HORIZONTAL WITH 5" BACKSET



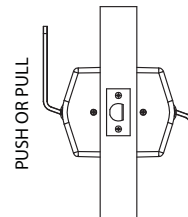
HORIZONTAL WITH 2-3/4" or 5" BACKSET



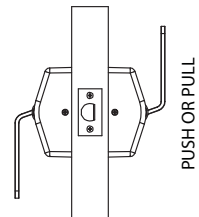
VERTICAL UP (INSIDE)
UP (OUTSIDE)



VERTICAL DOWN (INSIDE)
DOWN (OUTSIDE)



VERTICAL UP (INSIDE)
DOWN (OUTSIDE)



VERTICAL DOWN (INSIDE)
UP (OUTSIDE)

INSTALLATION OPTIONS

CRP HSK HIGH SECURITY KEY SYSTEM

The CRP Securities High Security Key (HSK) System utilizes the innovative Sidebar technology to bring superior and manageable Key Control. Together with distinct keyways and controlled means of key blank distribution, the Sidebar offers a superior level of Key Control Management. Keys can be cut on any standard duplicating and code cutting machines. All cylinders can be master keyed (MK), keyed-alike (KA) and keyed-different (KD).

The HSK System is designed for use in institutions, schools, hospitals, banks and all commercial and residential applications. The Sidebar series keyway is a proprietary design that is distributed in a controlled manner. Card control is implemented which requires authorized signature for valid duplication. We offer a cost-effective level of security comparable to other expensive high security control systems.

Maximum pick resistance is assured in HSK Systems with the utilization of anti-picking side pins and random mushroom top pins secured by cap screws. Standard cylinders are equipped with 2 hardened steel pins (up to 10 for UL-Listed) in the cylinder plug face for the ultimate in drill resistance. This protects the top and bottom pins and the sidebar from drilling attack.

EXCLUSIVE SIDE BAR TECHNOLOGY

Features:

- Unique floating side bar pins
- Exclusive Keyways
- Patented Cylinder and Key
- Pick-Resistant Spool Pins
- Anti-Drill Hardened Steel Pins
- Hardened Silver Nickel Side Bar



KEY-IN-KNOB-LEVER CYLINDERS	SMALL FORMAT IC CYLINDERS	LARGE FORMAT IC CYLINDERS	MORTISE / RIM COMBO CYLINDERS
KIKL5/KIKL6 Deadbolt/Knob/Lever, 5-pin and 6-pin, Universal tailpieces for locksets and deadbolts ULKIKL6 UL 437- Listed for 6-pin, Universal tailpieces for locksets and deadbolts	SFIC7 Small Format, 7 Pin ANSFIC7 ANSI/BHMA A156.30 Certified Small Format, 7 Pin	LFIC6 Schlage® Large Format 6 Pin ULLFIC6 UL 437- Listed Schlage® Large Format 6 Pin	MRC118 - 1 1/8", 6 pin ULMRC118 - UL 437- Listed 1 1/8", 6 pin MRC114 - 1 1/4", 6 pin ULMRC114 - UL 437- Listed 1 1/4", 6 pin Mortise-Rim combination

Optional Keyed Different (KD), Keyed Alike (KA), Master Keyed (MK) and 0-bitted (0B)

KEY BLANKS AND CONTROL KEYS	SFIC HOUSING	LFIC HOUSING
KBL5 - 5 Pin Key Blank KBL6 - 6 Pin Key Blank, Standard & Large Format KBLSF7 - 7 Pin Small Format Key Blank (SFIC) KCK6 - 6-pin Large Format IC control key (LFIC)	MRCSFIC-1 Small Format IC Housing for SFIC7 and ANSFIC7	MRCLFIC-2 Large Format IC Housing For Schlage Large Format IC LFIC6 and ULLFIC6

RXCRB800 AND RXCRB700 SERIES GRADE 1 HEAVY DUTY HIGH SECURITY DEADBOLT

Features:

- Commercial and Residential Application
- Meets ADA requirements Specially designed for Barrier Free Application Exceeds BHMA/ANSI A156.5 Series 4000, Grade 1 requirements
- ADA Ergonomic Thumbturn
- Available as Single or Double Cylinder
- Free turning, wrench-resistant tapered cylinder ring
- 1" (25mm) throw high-strength steel alloy deadbolt with anti-saw
- Steel mounting plate
- TRIM: Wrought Brass or Stainless Steel
- FACE PLATE: Standard 2 1/4" X 1 1/2"
- DOOR RANGES: Adjustable 1 1/8" (40mm) to 2" (51mm) door thickness
- BORE DIAMETER: 1" for latch, 2 1/8" for lock housing
- STRIKE: 1/8" X 2 3/4" square corner. Extra security 1" throw bolt with 3/4" free spinning anti-cut through pin. 2 pcs x 3" screws with wood frame rein-forcer greatly strengthens door frames



RXCRB800 SINGLE CYLINDER DEADBOLT



RXCRB700 DOUBLE CYLINDER DEADBOLT

ALSO AVAILABLE FOR GRADE 2 DEADBOLT CYLINDERS



RXULT360



RXULT362



RXCB160



RXCB162

RIM and MORTISE CYLINDERS

6 PIN SCHLAGE "C" KEYWAY

	CX96RIM 1 1/8" Rim Cylinder. Packed with mounting plate and screws
	AMORTCYL118 1 1/8" length Mortise Cylinder with ADAMS RITE cam
	AMORTCYL114 1 1/4" length Mortise Cylinder with ADAMS RITE cam
	CMORTCYL118 1 1/8" length Mortise Cylinder with CLOVER LEAF cam
	CMORTCYL114 1 1/4" length Mortise Cylinder with CLOVER LEAF cam

SCHLAGE LARGE FORMAT 6 PIN INTERCHANGEABLE CORE CYLINDERS

	6000ICMA 1 1/2" length Mortise Cylinder with ADAMS RITE cam
	7000ICMC 1 1/2" length Mortise Cylinder With CLOVER LEAF cam
	8000ICRIM Rim Cylinder. Packed with mounting plate and screws

SCHLAGE® LARGE FORMAT 6 PIN INTERCHANGEABLE CORE CYLINDERS

	3000ICC 6 Pin "C" Keyway combined KA#111111
	4000ICCK 6 Pin "C-K" Keyway combined KA#111111, with "E" keys
	5000ICE 6 Pin "E" Keyway combined KA#111111, with "E" keys
	1000ICC 6 Pin "C" Keyway combined KD and MK
	2000ICC 6 Pin "C" Keyway Temporary Construction Cores

Schlage® Large Format 6 Pin Interchangeable Core Cylinders operate on all Schlage locksets, deadbolts, rim and Mortise cylinders, including Cal-Royal's Commander Grade 2, Genesis GYS Grade 1 leversets and T220 Series deadbolts with Large Format IC Core.

BEST, FALCON AND ARROW SMALL FORMAT 6 / 7 PIN INTERCHANGEABLE CORE CYLINDERS

	308-602 Rim Cylinder. Packed with cylinder collar, mounting plate and screws
	307-601 1 1/4" length Mortise Cylinder with ADAMS RITE cam
	ICH961387 1 1/4" length Mortise Cylinder with CLOVER LEAF cam

BEST, FALCON AND ARROW SMALL FORMAT 6 / 7 PIN INTERCHANGEABLE CORE CYLINDERS

	6PCC-KD 6-Pin "A" Keyway Combined KD
	6PUC 6-Pin "A" Keyway Uncombined
	7PCC-KD 7-Pin "A" Keyway Combined KD
	7PUC 7-Pin "A" Keyway Uncombined

Best, Falcon and Arrow 6 / 7 Pin Interchangeable Core Cylinders operate on all of Cal-Royal's keyed lock functions as well as Best, Falcon and Arrow Interchangeable Core Locksets.

Additional Best Keyways: B,C,D,E,F,G,H,J,K,L,M. "A" is stock keyway.

MORTISE CYLINDER ACCESSORIES

	BLNKMORT100 1" blank Mortise Cylinder
	THMBMORT100 1" Mortise Cylinder with Thumbturn
	MCCR1814 Mortise Cylinder Compression Ring 1/8" to 1/4"
	MCCR3812 Mortise Cylinder Compression Ring 3/8" to 1/2"
	CGR175 Cylinder Guard Ring 1 1/4"
	MCRC-250 Free Spinning Cylinder Guard Ring 1/4"

GENESYS Series

GRADE 1 • ANSI A.156.2, SERIES 4000 • UL 3 HOUR RATING
EXTRA HEAVY DUTY • BHMA CERTIFIED • LIFETIME WARRANTY

- **Grade 1**, Extra heavy duty cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 1 (FF-H-106C)
- Exceeds 1,000,000 cycles
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application
- Featuring clutch system, free turning handle to deter breaking of the handle
- Individual spring on each side to prevent lever sag, maintain reliability and reduce maintenance
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Optional **SCHLAGE full size** format OEM Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- **Door ranges adjustable for 1 3/8" to 1 3/4". 2" to 2 1/4" door thickness available on request**
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- ANSI strike standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3 1/2", Full length 4 3/4" lever handle with 3/8" return
- 1" bore diameter for latch, 2 1/8" diameter for lock housing with thrubolts
- Electrified, Tactile and Lead Lining, Anti-Microbial Coating available



MODEL#	FUNCTION, ANSI	OTHER DESIGNS	FINISH
CGN00, ICCGN00	ICGYS00	For "AT", "SPA" and "TUB" designs replace design name as below: CGN00 entrance in "AT" design is CAT00	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog or stock finishes and functions)
CGN01, ICCGN01	ICGYS01		
GN02, ICCGN02	ICGYS02		
CGN03, ICCGN03	ICGYS03		
CGN04, ICCGN04	ICCGYS04		
CGN05, ICCGN05	ICGYS05		
CGN06, ICCGN06	ICGYS06		
CGN07, ICCGN07	ICGYS07		
CGN09, ICCGN09	ICGYS09		
CGN20	Privacy, F76		
GN30	Passage, F75		
GN40	Single Dummy		
GN50	Exit Lock, F89		

- **IC** indicates function available with Schlage full size format Interchangeable Core, available only on GN/GYS designs only
- **IC** indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available on all designs

GN DESIGN	AT DESIGN	SPA DESIGN	TUB DESIGN

GENESYS Series

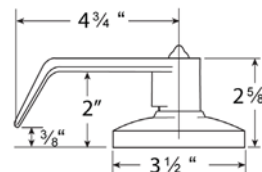
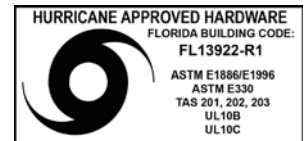
GRADE 1 • ANSI A.156.2, SERIES 4000 • UL 3 HOUR RATING
EXTRA HEAVY DUTY • BHMA CERTIFIED • LIFETIME WARRANTY

Large Format Interchangeable Core for Schlage, Corbin/Russwin, Sargent, and Yale

- **Grade 1**, Extra heavy duty cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 1 (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application
- Featuring clutch system, free turning handle to deter breaking of the handle
- Individual spring on each side to prevent lever sag, maintain reliability and reduce maintenance
- Rekeyable and easily reversible
- **Large Format Interchangeable Core**
- **Door ranges adjustable for 1 3/8" to 1 3/4". 2" to 2 1/4" door thickness available on request**
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- ANSI strike standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3 1/2", Full length 4 3/4" lever handle with 3/8" return
- 1" bore diameter for latch, 2 1/8" diameter for lock housing with thrubolts
- Electrified, Tactile and Lead Lining, Anti-Microbial Coating available



SCHLAGE



MODEL#			FUNCTION, ANSI	FINISH
CORBIN/RUSSWIN (7 or 6-pin)	SARGENT (6-pin only)	YALE (6-pin only)		
➊ RUSICCGN00	➊ SARICCGN00	➊ YALICCGN00	Entrance, F109	US26D, US3, US10B, US10, US26, US4
➋ RUSICCGN03	➋ SARICCGN03	➋ YALICCGN03	Classroom, F84	
➌ RUSICCGN04	➌ SARICCGN04	➌ YALICCGN04	Communicating, F80	
➍ RUSICCGN05	➍ SARICCGN05	➍ YALICCGN05	Storeroom, F86	
➎ RUSICCGN06	➎ SARICCGN06	➎ YALICCGN06	Vestibule, F88	
➏ RUSICCGN07	➏ SARICCGN07	➏ YALICCGN07	Classroom/ Intruder, F110	
➐ RUSICCGN09	➐ SARICCGN09	➐ YALICCGN09	Institution, F87	
➑ RUSICGN101	➑ SARICGN101	➑ YALICGN101	Dormitory, F90 (Non-Clutch)	



CALYPSO Series

GRADE 1 • ANSI A.156.2, SERIES 4000
UL 3 HOUR RATING
EXTRA HEAVY DUTY • LIFETIME WARRANTY

- **Grade 1**, Extra heavy duty cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 1 (FF-H-106C)
- Exceeds 1,000,000 cycles
- Featuring clutch system, free turning handle to deter breaking of the handle, individual spring on each side to prevent lever sag, maintain reliability, reduce maintenance
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, Specially designed for Barrier Free application
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, YALE 8, YALE GA, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A
- Door ranges adjustable for 1 3/8" to 2" door thickness
- Standard 2 3/8" backset, face plate 1 1/8" x 2 1/4"
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- ANSI strike is standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3 3/8", Full length 5" lever handle with 3/8" return
- 1" bore diameter for latch, 2 3/8" diameter for lock housing with thrubolts
- Tactile and Lead Lining, Anti-Microbial Coating available



Lifetime Warranty

MEETS
The Buy American Act

MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
CAL00, ICCAL00	Entrance Push In & Turn Button, F109	CAL07, ICCAL07	Classroom Intruder, F110	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
CAL02, ICCAL02	Storelock, F91	CAL09, ICCAL09	Institution, F87	
CAL03, ICCAL03	Classroom, F84	CAL101, ICCAL101	Dormitory, F90	
CAL04, ICCAL04	Communicating, F80	CAL20	Privacy, F76	
CAL05, ICCAL05	Storeroom, F86	CAL30	Passage, F75	
CAL06, ICCAL06	Vestibule, F88	CAL40	Dummy	

For "SAN" and "MHM" designs replace design name: e.g. CAL00 entrance in "SAN" design is SAN00

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available on all designs

CAL DESIGN	SAN DESIGN	MHM DESIGN

OMEGA Series

GRADE 1 • ANSI A.156.2, SERIES 4000
 BHMA CERTIFIED • UL 3 HOUR RATING
 EXTRA HEAVY DUTY • LIFETIME WARRANTY

- **Grade 1**, Extra heavy duty cylindrical Knobset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 1 (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 1/8" to 2" door thickness
- Standard 2 3/4" backset, face plate 1 1/2" x 2 1/4", Rose diameter: 3", Knob diameter: 2 1/2"
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- ANSI strike is standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- 1" bore diameter for latch, 2 1/2" diameter for lock housing
- Electrified, Tactile and Lead Lining, Anti-Microbial Coating available



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
GRB00, ICGRB00	Entrance Push In & Turn Button, F109	GRB09, ICGRB09	Institution, F87	US3, US4, US5, US10, US10B, US15, US26, US26D, US32D (Refer to Catalog for stock finishes and functions)
GRB02, ICGRB02	Store Lock, F91	GRB20	Privacy, F76	
GRB03, ICGRB03	Classroom, F84	GRB30	Passage, F75	
GRB04, ICGRB04	Communicating, F80	GRB40	Single Dummy	
GRB05, ICGRB05	Storeroom, F86	For G1PLY design replace design name: e.g. GRB00 entrance in "G1PLY" design is G1PLY00		

IC Indicates function available with small format Interchangeable Core Best, Falcon and Arrow, available on all designs

G1PLY DESIGN	GRB DESIGN

CR6000 Series

GRADE 1 • ANSI A.156.2, SERIES 4000
UL 3 HOUR RATING • HEAVY DUTY
CLUTCH • WITH RFID CARD

- Heavy Duty Stand-Alone Touchscreen Access Lock
- ANSI: Meets or exceeds requirements of BHMA/ANSI A156.2, Series 4000, **Grade 1** Strength and Operational requirements
- UL / CUL: UL Listed 3-hour rating
- ANSI Standards: In testing for BHMA Grade 1 A156.25
- Meets A117.1 accessibility code
- Access methods:
 - Touch pad (entered user PIN codes)
 - **RFID card (13.56mhz)**
 - Metal Key cylinder
- Master Code , 3 Manager Codes
- 3 Service Codes
- 1000 user Codes (combined RFID & User Pin Code)
- 4-6 Digit Code Combination
- Lock-out Mode, Anti-Tamper lockout
- Weather Resistant, Easy Installation and Programming
- Passage mode on keyed function, Enable and Disable users mode
- Buzzer and LED indicator, Long life battery operation
- 9V Battery Emergency Power
- Free-wheeling clutch system mechanism
- Non-handed, Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- ANSI strike is standard 4 7/8" x 1 1/4", optional T or Full Lip Strike
- Door ranges adjustable for 1 3/8" to 2" door thickness
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- 1" bore diameter for latch, 2 1/8" diameter for lock housing, 3 x 3/8" diameter through holes, 1" diameter through door for wiring
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- Anti-Microbial Coating available for US26D finish
- Wake-up/Activation Button
- User Friendly



CLUTCH



CAL ROYAL PRODUCTS, INC.
CR6000
DIGITAL TOUCH SCREEN DOOR LOCK

RFID
MIFARE TECHNOLOGY

PROXIMITY CARD
Compatible with existing MIFARE infrastructures.
Operates at 13.56MHz in accordance with ISO 14443A.
Inductive distance: up to 1-3/16"

MODEL#	FUNCTION	FINISHES
CR6000, ICCR6000 SAP6000, ICSPA6000 AT6000, ICAT6000	Entrance	US3, US4, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core

CR6000	SPA6000	AT6000

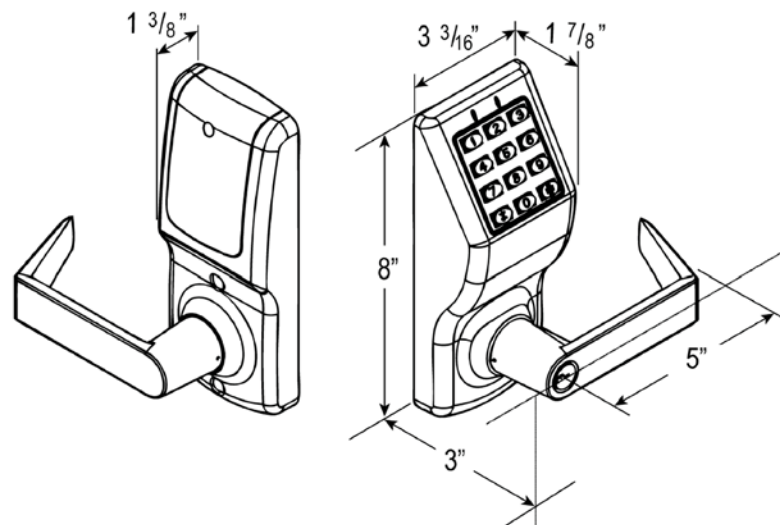
CR3000 Series

GRADE 1 • ANSI A.156.2, SERIES 4000
HEAVY DUTY • BHMA CERTIFIED • UL 3 HOUR RATING

- **Grade 1**, Heavy duty digital keypad door lock
- Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 1 (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997
- Meets A117.1 accessibility code
- 90 User Codes, 10 Manager Codes, 1 Master Code, 1 Sub-Master Code, 5 Service Codes
- Anti-Tamper Lockout, Tactile Metal Keypad, 2 Remote Switches
- Non-handed, Weather Resistant, Easy Installation & Programming
- Passage mode on keyed function, Enable and Disable users mode
- Buzzer and LED indicator, Long life battery operation
- Clutch system mechanism with individual spring on each side to prevent lever sag
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- ANSI strike is standard 4 7/8" x 1 1/4", optional T or Full Lip Strike
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- 1" bore diameter for latch, 2 1/8" diameter for lock housing
- Optional 2 3/8", 3 3/4", 5" backset, 3/4" throw anti friction dead latch for pairs of fire doors
- Additional 2 x 3/8" bore for mounting plate and 1" pass-thru bore for wiring
- Anti-Microbial Coating available



3 HOUR FIRE RATED
UL10C, UBC7-2-1997



INTERIOR TRIM



MODEL#	FUNCTION	FINISHES
IC CR3000, ICCR3000	Entrance	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
CR3030	Passage	

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core

PIONEER Series

GRADE 2 • ANSI A.156.2, SERIES 4000
UL 3 HOUR RATING • HEAVY DUTY
BHMA CERTIFIED • LIFETIME WARRANTY

- **Grade 2**, Heavy duty cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 2
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application
- **SL Series (Non-Clutch mechanism)**
- **CSL Series (Clutch Mechanism)** Featuring clutch system, free turning handle to deter breaking of the handle
- Individual spring on each side to prevent lever sag, maintain reliability, reduce maintenance
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness
- Standard 2 3/4" backset, face plate (1 1/8" x 2 1/4")
- Optional 2 3/8", 3 3/4" or 5" extension available on request
- ANSI strike is standard 4 7/8" x 1 1/4", Optional T or Round Corner Full Lip Strike: 1 3/4" x 2 1/4"
- Rose diameter: 3 5/16", Full length 4 3/4" lever handle with 3/8" return
- Optional removable thrubolt on SL and CSL series
- 1" bore diameter for latch, 2 1/2" diameter for lock housing with optional thrubolts
- Tactile and Lead lining available on request



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
SL00, RL00, AG00 ICSL00, ICRL00, ICAG00	Entrance Push In and Turn Button, F109	SL20, RL20, AG20	Privacy, F76	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
SL05, RL05, AG05 ICSL05, ICRL05, ICAG05	Storeroom, F86	SL10, RL10, AG10	Patio, F77	
SL03, RL03, AG03 ICSL03, ICRL03, ICAG03	Classroom, F84	SL30, RL30, AG30	Passage, F75	
SL01, RL01, AG01, ICSL01, ICRL01, ICAG01	Entrance Push Button, F82	SL50, RL50, AG50	Exit, F89	
SL80, RL80, AG80, ICSL80, ICRL80, ICAG80	Exit Lock/ Connecting Room with key	SL40, RL40, AG40	Single Dummy	
SL101, RL101, AG101 ICSL101, ICRL101, ICAG101	Dormitory / Assisted Living, F90	Prefix "C" before PART# for clutch mechanism		

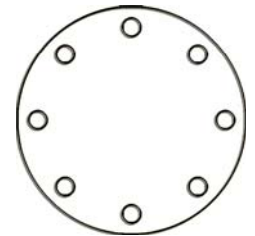
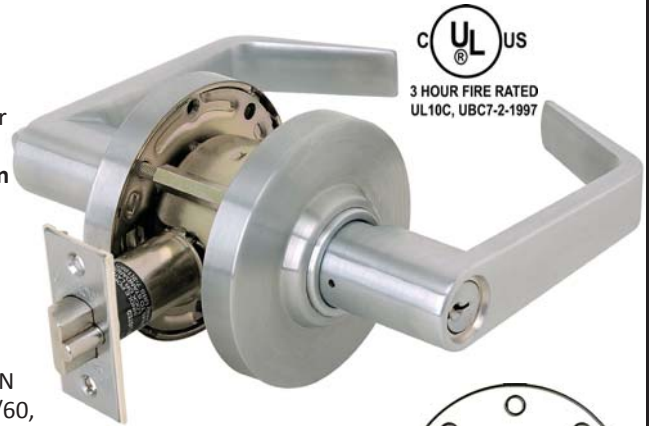
IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available on all designs

SL DESIGN	AG DESIGN	RL DESIGN

EXPLORER Series

GRADE 2 • ANSI A.156.2, SERIES 4000
 UL 3 HOUR RATING • HEAVY DUTY
 BHMA CERTIFIED • LIFETIME WARRANTY

- **Grade 2**, Heavy Duty Cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application
- **Thrubolts can be set to all major lock manufacturer's thrubolt location**
- XP and XPRL Design (non-clutch mechanism)
- CXP and CXPRL Design (clutch mechanism)
- Individual spring on each side to prevent lever sag
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 3/8" to 2" door thickness
- Standard 2 3/4" backset, Latch face: size 1" x 2 1/4", packed with latch front adapter to convert 1" face plate for 1 1/8" wide door preparations
- 2 3/8", 3 3/4" or 5" backset extension available on request
- ANSI strike is standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3 5/16", Full length 4 3/4" lever handle with 3/8" return
- 1" bore diameter for latch, 2 1/8" diameter for lock housing with thrubolts
- Optional removable thrubolts, tactile and lead lining available on request



Thrubolt can be set to all major lock manufacturer's thrubolt locations

MODEL#	FUNCTION, ANSI	FINISHES
XP00, XPRL00, CXP00, CXPRL00, ICCXPRL00, ICCXP00, ICXP00, ICXPRL00	Entrance Push In & Turn Button, F109	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
XP05, XPRL05, CXP05, CXPRL05, ICCXPRL05, ICCXP05, ICXP05, ICXPRL05	Storeroom, F86	
XP03, XPRL03, CXP03, CXPRL03, ICCXPRL03, ICCXP03, ICXP03, ICXPRL03	Classroom, F84	
XP20, XPRL20, CXP20, CXPRL20	Privacy, F76	
XP30, XPRL30	Passage, F75	
XP50, XPRL50	Exit, F89	
XP40, XPRL40	Single Dummy	
All other functions available on request		

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available on all designs

XP DESIGN	XPRL DESIGN

TUSCANY Series

GRADE 2 • ANSI A.156.2, SERIES 4000
UL 3 HOUR RATING • HEAVY DUTY

- **Grade 2**, Heavy Duty Cylindrical Leverset, Meets and exceeds requirements of BHMA ANSI A156.2, Series 4000 (FF-H 106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, 1/2" Deadlatch completely reversible for flat and beveled doors
- Meets ADA requirements specially designed for Barrier Free application
- Free turning handle in the locked position, without retracting the latch to prevent breaking of handle
- Full 2 3/4" lever handle with 3/8" return. Rose diameter 3 3/8". Key removable outside lever for fast keying. Non-handed levers. Concealed mounting screws
- Individual spring on each side to prevent lever sag, maintain reliability and reduce maintenance
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges for 1 3/8" to 1 3/4" thickness. 2" to 2 1/4" thickness also available on request
- Optional thru-bolted assembly through door with separate spring cage for each lever
- 2 3/4" standard, brass with 1/2" throw. 2 3/8", 3 3/8" and 5" backset optional. GND750 deadlatch reversible for flat and beveled door. 3/4" throw anti-friction deadlatch for pair of fire doors

MEETS
The Buy American Act



3 HOUR FIRE RATED
UL10C, UBC7-2-1997



MODEL#	FUNCTION, ANSI	FINISHES
CTUSL00, ICCTUSL00	Entrance/Office Lock, F109	US3, US4, US5, US10, US10B, US15, US26, US26D, US32D (Refer to Catalog for stock finishes and functions)
CTUSL01, ICCTUSL01	Entrance/Puch Button, F82	
CTUSL03, ICCTUSL03	Classroom, F84	
CTUSL05, ICCTUSL05	Storeroom, F86	
CTUSL10	Patio, F77	
CTUSL20	Privacy, F76	
TUSL30	Passage, F75	
TUSL40	Dummy Trim	
TUSL50, CTUSL53	Exit Latch, F89	
All other functions available on request		

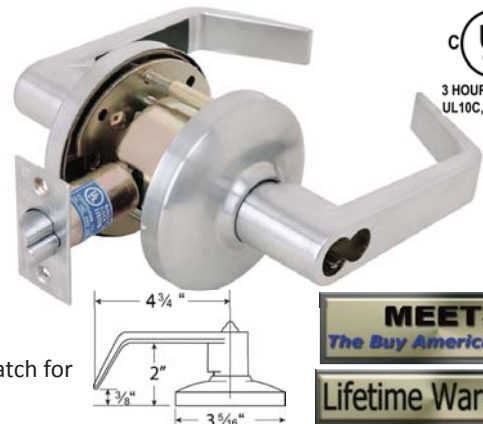
IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available on all designs

COMMANDER Series

GRADE 2 • ANSI A.156.2 • SCHLAGE LARGE FORMAT IC
UL 3 HOUR RATING • LIFETIME WARRANTY

Accepts Schlage Full Size Format OEM Interchangeable Core

- **Grade 2**, Heavy Duty Cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Featuring **clutch** system, free turning handle to deter breaking of the handle
- Individual spring on each side to prevent lever sag, maintain reliability
- Meets A117.1 accessibility code, Specially designed for Barrier Free application
- Interchangeable Core Schlage 6 pin Cylinders available
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- ANSI strike is standard 4 3/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3 5/16", Full length 4 3/4" lever handle with 3/8" return
- 1" bore diameter for latch, 2 1/8" diameter for lock housing with thrubolts
- Optional 2 3/8", 5" and 3 3/4" backset extension and 3/4" throw anti friction dead latch for pairs of fire doors
- Optional removable thrubolts, Tactile and Lead lining available on request



3 HOUR FIRE RATED
UL10C, UBC7-2-1997

MEETS
The Buy American Act
Lifetime Warranty

MODEL#	FUNCTION	FINISHES
ICCOM00	Entrance Push In & Turn Button/Office, F109	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
ICCOM03	Classroom, F84	
ICCOM05	Storeroom, F86	
All other functions available on request		

IC Indicates function available with Schlage full size Interchangeable Core

CHALLENGER Series

GRADE 2 • ANSI A.156.2, SERIES 4000
UL 3 HOUR RATING • STANDARD DUTY
BHMA CERTIFIED • LIFETIME WARRANTY

- **Grade 2**, Standard Duty Cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2, (FF-H-106C)
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Meets A117.1 accessibility code, BHMA Certified, Specially designed for Barrier Free application (Non-Clutch Mechanism)
- Individual spring on each side to prevent lever sag, maintain reliability, reduce maintenance
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness
- Standard 2 3/4" backset, Latch face: size 1" x 2 1/4", packed with latch front adapter to convert 1" face plate for 1 1/8" wide door preparations
- Optional 2 3/8", 3 3/4" or 5" backset extension available on request
- ANSI strike is standard 4 7/8" x 1 1/4"
- Optional T or Round Full Lip Strike: 1 3/4" x 2 1/4"
- **Rose diameter: 3"**, Full length 4 1/4" lever handle with 3/8" return
- 1" bore diameter for latch, 2 1/8" diameter for lock housing with thrubolts
- Optional removable thrubolts, tactile and lead lining available on request



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
SG00, AST00, DOV00, MAN00 ICSG00, ICDOV00, ICMAN00	Entrance Push In and Turn Button Lock /Office, F109	SG10, AST10, DOV10, MAN10	Patio, F77	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
SG03, AST03, DOV03, MAN03 ICSG03, ICDOV03, ICMAN03	Classroom, F84	SG30, AST30, DOV30, MAN30	Passage, F75	
SG05, AST05, DOV05, MAN05 ICSG05, ICDOV05, ICMAN05	Storeroom, F86	SG50, AST50, DOV50, MAN50	Exit, F89	
SG20, AST20, DOV20, MAN20	Privacy, F76	SG40, AST40, DOV40, MAN40	Dummy	

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available for all designs

SG DESIGN	ASTOR DESIGN	DOVER DESIGN	MANHATTAN DESIGN

HIL and JHIL Series

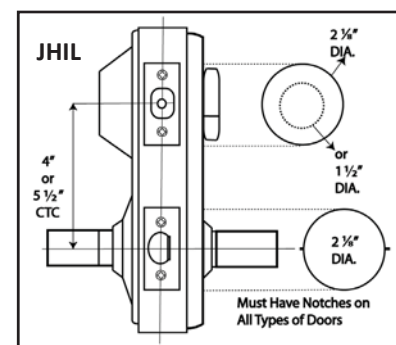
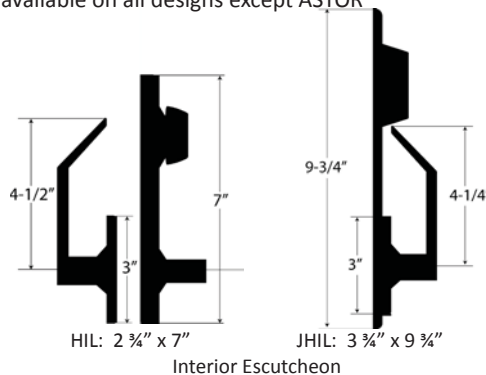
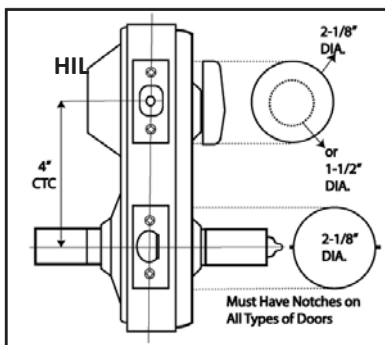
GRADE 2 • ANSI A.156.2 • UL 3 HOUR RATING
MEDIUM DUTY • BHMA CERTIFIED (HIL)

- **Grade 2**, Medium duty, Meets and exceeds requirements of BHMA / ANSI A156.12
- UL Listed, 3-hour rating, UL10C, UBC 7-2-1997, Lifetime Warranty BHMA Certified (HIL)
- **HIL is fixed 4" CTC and JHIL is optional 4" or 5 1/2" CTC door prep**
- **Simultaneous retraction on both latch and deadbolts from Inside by turning the lever in a panic-proof exit situation**
- Top lock is heavy duty deadbolt with a double locking point using the keyed lock function with 1" throw and hardened steel pin
- Ergonomic ADA Thumbturn
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness
- 2 3/4" standard backset, 1/2" throw. Front 2 1/4" X 1 1/8". 2 3/8" backset is optional
- Standard T-strike furnished with lockset, 2 3/4" x 1 1/8" square strike deadbolt
- Optional outside escutcheon available
- Storeroom function available upon request



HIL and JHIL DESIGN	JHILMAN and HILMAN MANHATTAN DESIGN	JHILAST and HILAST ASTOR DESIGN	JHILDOV and HILDOV DOVER DESIGN	Optional HILESC-1 Exterior Escutcheon Plate
MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	
HIL00, JHIL00 or ICHIL00, ICJHIL00	Entrance, Double Locking, F97	JHIL30, HIL30 or ICHIL30, ICJHIL30	Entrance, Single Locking, F95	
JHILAST00, HILAST00		JHILAST30, HILAST30		
JHILDOV00, HILRL00 or ICHILRL00, ICJHILDOV00		JHILDOV30, HILRL30 or ICHILRL30, ICJHILDOV30		
JHILMAN00, HILMAN00 or ICHILMAN00, ICJHILMAN00		JHILMAN30, HILMAN30 or ICHILMAN30, ICJHILMAN30		
FINISHES: US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)				

Interchangeable Core on deadbolt and lever, available on all designs except ASTOR



BARRINGTON Series

GRADE 2 • ANSI A.156.2, SERIES 4000 •
UL 3 HOUR RATING • STANDARD DUTY
LIFETIME WARRANTY

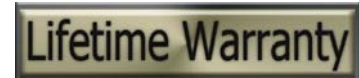
- **Grade 2**, Standard Duty Cylindrical Knobset, Meets and exceeds requirements of BHMA/ANSI A156.2, Series 4000 for Grade 2 (FF-H-106C)
- UL Listed, 3-hour rating, Lifetime Warranty
- Rekeyable and easily reversible
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 3/8" to 1 3/4" door thickness (optional 2 1/4")
- Standard 2 3/4" backset, face plate 1 1/8" x 2 1/4"
- Optional 2 3/8", 3 3/4" or 5" backset available on request
- ANSI strike is standard 4 7/8" x 1 1/4", Optional T or Full Lip strike
- Rose diameter: 3"
- 1" bore diameter for latch, 2 1/8" diameter for lock housing
- Quality designed and engineered for commercial buildings



BA DESIGN



PLG DESIGN



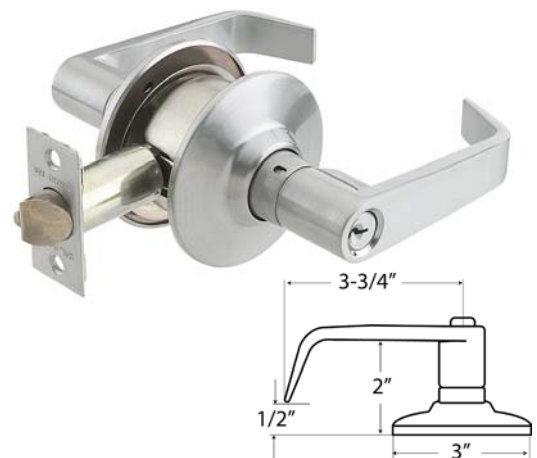
MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
BA00, PLG00, ICBA00	Entrance Push In & Turn Button, F109	BA80, PLG80, ICBA80	Exit Lock	US3, US4, US5, US10, US10B, US15, US26, US26D, US32D (Refer to Catalog for stock finishes)
BA01, PLG01, ICBA01	Entrance Push Button, F82	BA101, PLG101, ICBA101	Corridor/ Dormitory, F90-2	
BA02, PLG02, ICBA02	Store Lock, F91	BA10, PLG10	Patio Lock, F161P/160P	
BA03, PLG03, ICBA03	Classroom, F84	BA20, PLG20	Privacy, F76	
BA04, PLG04, ICBA04	Communicating, F80	BA30, PLG30	Passage, F75	
BA05, PLG05, ICBA05	Storeroom, F86	BA40, PLG40	Single Dummy	
BA06, PLG06, ICBA06	Vestibule, F88	BA50, PLG50	Exit, F89	
BA09, PLG09, ICBA09	Institution, F87			

IC Indicates function available with small format Best, Falcon and Arrow Interchangeable Core, available only for Barrington design

EPIC Series

GRADE 3 • ANSI A.156.2 • STANDARD DUTY

- **Grade 3**, Standard Duty Cylindrical Leverset, Meets and exceeds requirements of BHMA/ANSI A156.2 Series 4000
- For Residential or Light Commercial Application
- Cylindrical Leverset with push button
- **Turning inside lever or closing door releases push button on privacy function**
- 5-pin Solid Brass Schlage "C" keyway
- For doors 1 3/8" to 2" thick, 7/16" throw latchbolt
- Rose Diameter: 3", Lever: 3 3/4", 1" bore dia. for latch, 2 1/8" dia. for lock housing
- Commercial Packaging: 2 3/4" backset with 1 1/8" x 2 1/4" square corner face plate 4 7/8" ASA strike for entrance and T-Strike for privacy and passage
- Residential Packaging: Prefix "RES" before PART# 2 3/8" backset with 1" x 2 1/4" round corner face plate, Full Lip Strike for privacy and passage



MODEL#	FUNCTION, ANSI	FINISHES
800	Entrance, F82	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
802, RES802	Privacy, F76	
803, RES803	Passage, F75	
805	Dummy	

CRB800 Series

GRADE 1 • ANSI A.156.5 • UL 3 HOUR RATING
BHMA CERTIFIED • HEAVY DUTY
LIFETIME WARRANTY

- **Grade 1**, Heavy duty commercial quality and maximum security deadbolts
- Meets and exceeds requirements of BHMA / ANSI A156.5
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- BHMA Certified, Ergonomic ADA Thumbturn
- *Cylinder recesses into the door to resist blows attempting to move the lock*
- *Extra security 1" throw bolt with ¼" free spinning anti-cut through pin*
- *3" screws with wood frame reinforcer greatly strengthens door frames*
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN L4, RUSSWIN D1-D2-D3-D4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Adjustable 1 9/16" to 2" door thickness
- 2 ¾" standard, optional 2 ¾" Backset
- Standard 2 ¼" x 1 ½" face plate
- 1 ½" x 2 ¾" Square corner strike
- 2 ½" Base Diameter
- 1" bore diameter for latch, 2 ½" diameter for lock housing



CRB800 Single Cylinder
Dead Latch



3 HOUR FIRE RATED
UL10C, UBC7-2-1997



CRB700 Double Cylinder
Dead Latch



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
CRB800, ICCRB800	Single Cylinder Deadbolt, E0152	ID900	One sided Deadbolt (no plate), E0193	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
CRB700, ICCRB700	Double Cylinder Deadbolt, E0142	ID901	One sided Deadbolt with blank plate outside, E01113	
CRB600, ICCRB600	Classroom Deadbolt lock, E0171			

IC Indicates functions available with Interchangeable Cores compatible with 6 or 7 pin cores with Best, Falcon and Arrow, available for all keyed functions

T300 Series

GRADE 2 • ANSI A.156.5 • UL 3 HOUR RATING
HEAVY DUTY • LIFETIME WARRANTY

- **Grade 2**, Heavy duty commercial quality and maximum security deadbolts
- Meets and exceeds requirements of BHMA / ANSI A156.5
- UL Listed 3-hour rating, ULC10C, UBC 7-2-1997, Lifetime Warranty
- Ergonomic ADA Thumbturn
- *Cylinder recesses into the door to resist blows attempting to move the lock*
- *Extra security 1" throw bolt with ¼" free spinning anti-cut through pin*
- *3" screws with wood frame reinforcer greatly strengthens door frames*
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Adjustable 1 ¾" to 1 ¾" door thickness (conversion kit available for 2 ¼" door thickness)
- 2 ¾" or 2 ¾" Adjustable Backset, Standard 2 ¼" x 1" face plate, packed with latch front adapter to convert 1" face plate for 1 ½" wide door preparations
- 1 ½" x 2 ¾" Square corner strike
- 1" bore diameter for latch, 2 ½" diameter for lock housing, 2 ½" Base Diameter



ULT360 Single Cylinder
Dead Latch



3 HOUR FIRE RATED
UL10C, UBC7-2-1997



ULT362 Double Cylinder
Dead Latch



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
ULT360, ICULT360	Heavy duty single cylinder Deadbolt, E0152	ULID363	One sided Deadbolt (no plate), E0193	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
ULT362, ICULT362	Heavy duty double cylinder Deadbolt, E0142	ULID365	One sided Deadbolt with blank plate outside, E01113	
CL600, ICCL600	Classroom Deadbolt lock, E0172	ULT700, ICULT700	One-Way Deadbolt Lock, E1161	

IC Indicates functions available with Interchangeable Cores compatible with 6 or 7 pin cores with Best, Falcon and Arrow, available for all keyed functions

CB160 Series

GRADE 2 • ANSI A.156.5 • STANDARD DUTY
LIFETIME WARRANTY

- **Grade 2**, Standard Duty Commercial/Residential deadbolts
- Meets and exceeds requirements of BHMA/ANSI A156.5
- **Extra security 1" throw bolt with ¼" free spinning anti-cut through pin**
- Ergonomic ADA Thumbturn
- 2 ½" diameter adapter ring for 2 ½" bore door preparation included in package
- Standard Solid Brass "C" 6-pin cylinder
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Door ranges adjustable for 1 ⅜" to 1 ¾" door thickness
- **Gatelatch deadbolt available**
- Adjustable 2 ¾" and 2 ⅝" backset
- Latch: Backset latch size 1" x 2 ¼" faceplate, packed with latch front adapter to convert 1" face plate for 1 ½" wide door preparations
- Strike: 1 ⅝" x 2 ¾" square corner
- 1" or ⅞" bore for latch, 1 ½" or 2 ⅝" diameter for lock housing



CB160 Single Cylinder Dead Latch



GL160 Single Cylinder Gate Latch



ADA Ergonomic Thumbturn



GL-238 (2 ⅜") / GL-234 (2 ¾") Gatelatch
Face Plate: 1 ½" W x 2 ¼" H

Lifetime Warranty

MODEL#	FUNCTION	FINISHES
CB160	Single Cylinder Deadbolt, E0152	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
CB162	Double Cylinder Deadbolt, E0142	
GL160	Single Cylinder Gatelatch	
GL162	Double Cylinder Gatelatch	

T400 Series

GRADE 2 • ANSI A156.5 • DEADBOLTS
COMMERCIAL / RESIDENTIAL APPLICATION
HEAVY DUTY

- **Grade 2**, Maximum Security Heavy duty commercial and residential applications deadbolts
- Meets and exceeds requirements of BHMA / ANSI A156.5
- Optional 6 pin solid brass "C" or 5 pin Kwikset KW1 keyways standard
- Additional keyways: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Corbin-Russwin L4, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8 and Yale GA
- Adjustable 1 ⅝" to 2" door thickness, Adjustable 2 ¾" or 2 ⅝" latchbolt
- Gatelatch available in 2 ⅝" and 2 ¾"
- Latchbolt: Standard 2 ¼" x 1" packed with 1 ⅝" plastic filler to convert 1" face plate to 1 ½" wide door preparations
- Gate latch: 2 ¼" X 1 ⅝" face plate for both 2 ⅝" and 2 ¾"
- Strike: 1 ⅝" X 2 ¾" square corner
- 3" screws with wood frame reinforcer greatly strengthens door frames
- Extra Security 1" throw bolt
- Ergonomic ADA Thumbturn
- 1" bore diameter for latch, 1 ½" or 2 ⅝" diameter for lock housing



T400 Single Cylinder Dead Latch



GL462 Double Cylinder Gate Latch

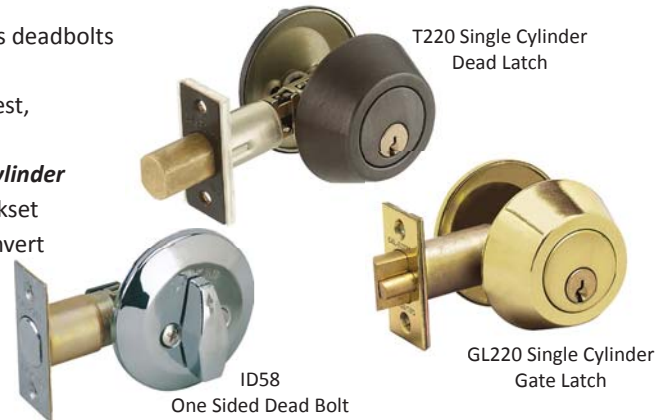
Lifetime Warranty

MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
T460	Single Cyl Deadbolt, E0152	KWT460	Single Cyl 5pin KW1, E0152	US3, US5, US10B, US15, US26D, VB (Venetian Bronze)
T462	Double Cyl Deadbolt, E0142	KWT462	Double Cyl 5pin KW1, E0142	
GL460	Single Cyl Gatelatch, 2 ⅝", E0152	GLKW460	Single Cyl 5pin KW1 Gatelatch, 2 ⅝", E0152	
GL460/234	Single Cyl Gatelatch, 2 ⅝", E0152	GLKW460/234	Single Cyl 5pin KW1 Gatelatch, 2 ⅝", E0152	
GL462	Double Cyl Gatelatch, 2 ⅝", E0142	GLKW462	Double Cyl 5pin KW1 Gatelatch, 2 ⅝", E0142	
GL462/234	Double Cyl Gatelatch, 2 ⅝", E0142	GLKW462/234	Double Cyl 5pin KW1 Gatelatch, 2 ⅝", E0142	

T220 Series

GRADE 3 • ANSI A.156.5
STANDARD DUTY DEADBOLTS

- **Grade 3**, Standard duty light commercial and residential applications deadbolts
- Meets and exceeds requirements of BHMA / ANSI A156.5
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- **Optional Schlage "C" full size format OEM Interchangeable Core Cylinder**
- Adjustable 1 3/8" to 1 3/4" door thickness, Adjustable 2 3/4" or 2 7/8" Backset
- Standard 2 1/4" x 1" face plate, packed with latch front adapter to convert 1" face plate for 1 1/2" wide door preparations
- 1 1/2" x 2 3/4" Square corner strike
- 2 1/2" Base Diameter, Ergonomic ADA Thumbturn
- 1" bore diameter for latch, 1 1/2" or 2 1/8" diameter for lock housing



MODEL#	FUNCTION, ANSI	MODEL#	FUNCTION, ANSI	FINISHES
T220, ICT220	Single Cylinder, E0152	GL220, ICGL220	Single Cylinder, E0152	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
T330, ICT330	Double Cylinder, E0142	GL330, ICGL330	Double Cylinder, E0142	
SCICT220	Schlage IC Core, Single Cylinder	SCICGL220	Schlage IC Core Single Cylinder, E0152	
SCICT330	Schlage IC Core, Double Cylinder	SCICGL330	Schlage IC Core Double Cylinder, E0142	
ID58	One sided (No outside Trim)	GL58	One Sided, (No outside Trim), E0193	
ID60	One sided (Blank plate outside)	GL60	One Sided, (Blank Plate Outside), E01113	
		GL58234	One Sided, 2 3/4" Backset, E0193	
		GL60234	One Sided (Blank Plate), 2 3/4" Backset, E01113	
		GL220234	Single Cylinder, 2 3/4" Backset, E0152	
		GL330234	Double Cylinder, 2 3/4" Backset, E0142	

ICT Indicates functions available with Interchangeable Cores compatible with 6 or 7 pin cores with Best, Falcon and Arrow, available for all keyed functions

SCIC Indicates functions available with Schlage full size format Interchangeable Core

LSD / IND84 Series

GRADE 3 • ANSI A.156.5 • LIGHT COMMERCIAL / RESIDENTIAL STANDARD DUTY DEADBOLTS

- **Grade 3**, Standard duty light commercial and residential applications
- Meets and exceeds requirements of BHMA / ANSI A156.5
- Ergonomic ADA Thumbturn
- **Extra security 1" throw bolt with double free spinning anti-cut-through pins**
- 6-pin solid brass "C" keyway standard, with optional small format Best, Falcon and Arrow Interchangeable Core
- Additional keyways: SCHLAGE "E" and C-K, SARGENT LA-LB-LC, RUSSWIN D1-D2-D3-D4, RUSSWIN L4, FALCON/WEISER "E", KWIKSET, CORBIN 59/60, ARROW A, YALE 8, YALE GA
- Adjustable 1 3/8" (35mm) to 1 3/4" (45mm) door thickness
- Adjustable 2 3/8" or 2 3/4" Backset, 1 1/2" x 2 3/4" strike
- Standard 2 1/4" x 1" packed with 1/8" plastic filler to cover 1" face plate to 1 1/2" wide door preparations
- 1" for latch, 1 1/2" or 2 1/8" for lock housing bore diameters



MODEL#	FUNCTION, ANSI	MODEL#
LSD01	Standard Duty Single Cylinder Deadbolt, E0152	US3, US4, US5, US10, US10B, US15, US26, US26D (Refer to Catalog for stock finishes and functions)
LSD88	Standard Duty Double Cylinder Deadbolt, E0142	
IND-84	Indicator Deadbolt	

ELDB-89 Series

GRADE 2 • DIGITAL KEYPAD DEADLOCK
COMMERCIAL / RESIDENTIAL APPLICATION
HEAVY DUTY

- **Grade 2**, Heavy duty digital keypad deadlock
- UL Listed 45-minute fire rating, ULC10C, UBC 7-2-1997
- Meets A117.1 accessibility code, BHMA Certified
- 4-6 digit codes with over 1 million possible combinations
- 10 user codes
- Non-handed design
- Stand alone unit. No wiring needed
- Illuminated keypad
- Weather resistant
- 1 min lockout after 4 invalid input
- Easy installation & programming
- Long-life battery operation
- Auto-locking function (option)
- Low-battery warning indicator
- Back-up key cylinder override
- User friendly
- Additional Keyways: 6 pin solid brass "C" keyway standard. Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Corbin-Russwin L4, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa and Kaba High Security Cylinders



MEETS
The Buy American Act

MODEL#	FUNCTION, ANSI	FINISHES
ELDB-89	Single Cylinder	US26D, US3, US15, US10B, US11P (Refer to Catalog for stock finishes and functions)

CLIPPER Series

GRADE 3 • ANSI A.156.2 • TUBULAR DEADBOLTS
OPTIONAL UL

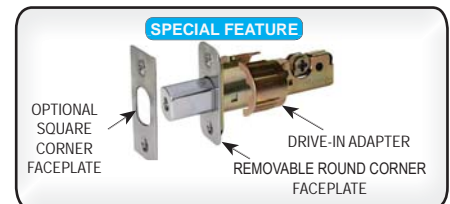
- ANSI Standard A156.2 **Grade 3**
- Meets ADA requirements. Specially designed for Barrier Free Applications
- Weiser and Schlage "C" keyway available
- Optional 3 Hour Fire Rated UL Listed latch
- Reversible for right and left hand doors
- **2-3/8" or 2-3/4" 4-way adjustable backset, size 1" x 2-1/4" round corner standard, convertible to drive-in latch. Square corner face plate and 5" round corner backsets optional**
- All metal body & cylinder construction



- Kwikset keyway. Re-keyable for master and construction keying
- Full 1" throw deadbolt with hardened steel pin to prevent saw cutting
- Fits 1-3/8" to 1-3/4" wood or metal doors
- 1" x 2-1/4" square corner strike standard, optional round corner full lip strike. Optional 1-1/4" x 3-5/8" Security Strike with 3" screws also available
- Easy installation



MEETS
The Buy American Act



MODEL#				FINISHES
CLP-500	CLP-400	CLP-701	CLP-801	
Single Cylinder Deadbolt	Double Cylinder Deadbolt	One Sided Deadbolt	One Sided Deadbolt with Cover	US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)

ENTERPRISE Series

DIGITAL TOUCHPAD LOCK
RESIDENTIAL/COMMERCIAL APPLICATION

- Touchpad entry with key override
- 1 Master/ Programming Code
- Accommodates 6 sets of user codes
- Backlight automatically lights up when hand gets close to built-in sensor
- **Random pre-entry code prevents code deciphering**
- Auto-locking function enhances security and convenience
- One-time user code available for providing the visitor limited access authority
- Keypad automatically locks up if entering wrong user code over 5 times
- Battery powered
- Power Supply: DC6V, four AA alkaline batteries
- Zinc alloy die-casting and polycarbonate material
- For 1-3/8" ~ 2" (35~51mm) thick doors
- 2-3/8" or 2-3/4" (60/70mm) adjustable latch, Stainless steel powder metallurgy latch bolt with 1/2" (12.7mm) throw
- 5-pin Kwikset keyway standard
- **Retrofits to existing 161 cutout**



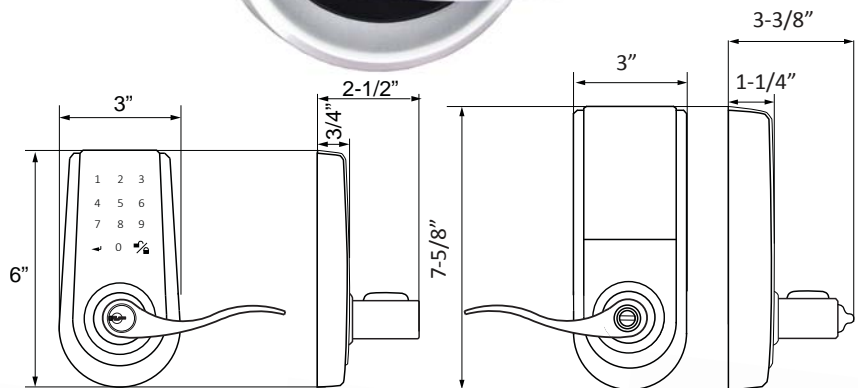
TO UNLOCK
STEP 1: Put your hand in front of the touchpad to activate



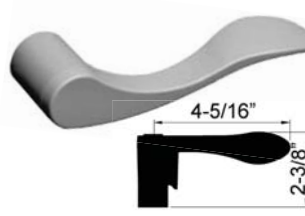
STEP 2: Press random pre-entry code



STEP 3: Enter user code and press # button
TO LOCK
Activate touchpad and press # button.



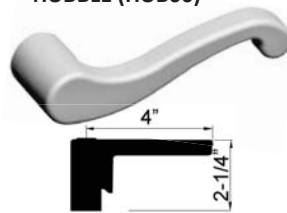
HUBBLE (HUB00)



DARWIN (DAR00)



MARINER (MAR00)



CASSINI (CASS00)



VOYAGER (VOY00)



ORION (ORN00)

MODEL#	FUNCTION	FINISHES
ORN00, VOY00, MAR00, CASS00, HUB00, DAR00	Entrance	US15 (Satin Nickel) US12P (Tuscany Bronze)

LEGACY Series

GRADE 3 • ANSI A.156.2 • TUBULAR LEVERSETS
WITH PUSH BUTTON • OPTIONAL UL

- ANSI Standard A156.2 **Grade 3**
- Meets ADA requirements. Specially designed for Barrier Free Applications
- Keyed entry with lever / lever for exterior & interior
- Kwikset keyway. Re-keyable for master and construction keying
- Weiser and Schlage "C" keyway available
- Brass and stainless steel trims. Levers are plated
- **Screw Guiding Posts for easy screw alignment and tightening making installation fast and easy**
- Full lip round corner strike is standard
- Fits 1-3/8" to 1-3/4" wood or metal doors

- **Push button release on entrance & privacy from inside by turning lever**
- **2-3/8" or 2-3/4" 4-way adjustable backset, size 1" x 2-1/4" round corner standard, convertible to drive in latch. Square corner face plate and 5" round corner backsets optional**
- Optional 3 Hour Fire Rated UL Listed Latch



SPECIAL FEATURES

REMOVABLE ROUND CORNER FACEPLATE



OPTIONAL SQUARE CORNER FACEPLATE



DRIVE-IN ADAPTER



4-WAY LATCH





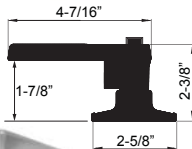
PUSH BUTTON



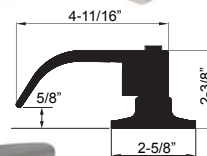
SCREW GUIDE POST



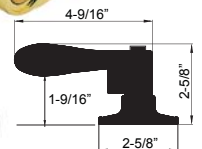
VIARGENTO



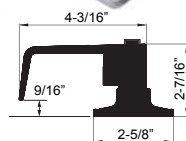
DENMARK



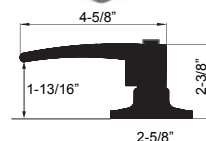
NAPA



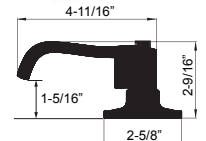
CABERNET



ZULATTI



DUCATI

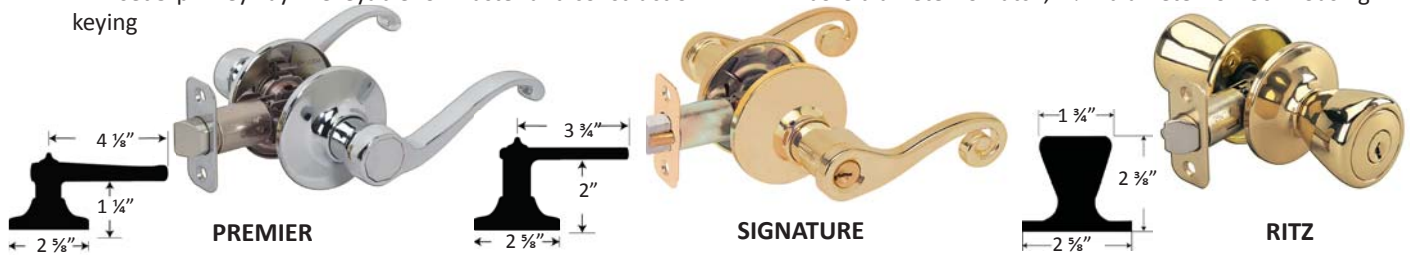


MODEL#						FUNCTION	FINISHES
CABERNET	DENMARK	DUCATI	NAPA	VIARGENTO	ZULATTI		
CAB-00	DEN-00	DUC-00	NAP-00	VIA-00	ZUL-00	Entrance	US3, US5, US10B, US11P, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
CAB-05	DEN-05	DUC-05	NAP-05	VIA-05	ZUL-05	Storeroom	
CAB-20	DEN-20	DUC-20	NAP-20	VIA-20	ZUL-20	Privacy	
CAB-30	DEN-30	DUC-30	NAP-30	VIA-30	ZUL-30	Passage	
CAB-40	DEN-40	DUC-40	NAP-40	VIA-40	ZUL-40	Dummy	

ASHLEY Series

GRADE 3 • ANSI A.156.2 • TUBULAR LOCKSETS

- **Grade 3**, ANSI standard A156.2
- Tubular body, Exposed screws, Easy installation
- Brass trim and knob. Levers and handles are zinc plated
- Keyed entry comes with lever/lever for exterior and interior
- 5 Year Finish Warranty, 25 Year Mechanical Warranty
- Easily reversible
- Kwikset 5-pin keyway. Rekeyable for master and construction keying
- For wood and metal doors, Fits 1 3/8" to 1 3/4" thick doors
- 2 3/8" or 2 3/4" adjustable backset, size 1" x 2 1/4" round corner standard. Square corner option and drive-in latchbolt also available on special factory order
- Round Corner Full Lip Strike: 1 3/4" x 2 1/4", Optional T-strike
- Rose Diameter: 2 5/8"
- 1" bore diameter for latch, 2 1/8" diameter for lock housing



MODEL#			FUNCTION	FINISHES
PREMIER SERIES	SIGNATURE SERIES	RITZ SERIES		
LEPRE-00	LESIG-00	RIZ-00	Entrance	US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
N/A	N/A	RIZ-05	Storeroom	
PRE-20	SIG-20	RIZ-20	Privacy	
PRE-30	SIG-30	RIZ-30	Passage	
PRE-40	SIG-40	RIZ-40	Dummy	

CHELSIE Series

GRADE 3 • ANSI A.156.2 • TUBULAR KNOBSETS
OPTIONAL UL

- **Grade 3**, ANSI standard A156.2, Optional 1 1/2 hour UL latch
- Tubular body, Exposed screws, Easy installation
- Brass trim and knob
- 5 Year Finish Warranty, 25 Year Mechanical Warranty
- Kwikset 5-pin keyway. Rekeyable for master and construction keying
- Weiser and Schlage "C" 5-pin keyway available on special factory request
- **For optional UL, prefix "UL" before PART#**
- For wood and metal doors
- Fits 1 3/8" to 1 3/4" thick doors
- 2 3/8" or 2 3/4" adjustable backset, size 1" x 2 1/4" round corner standard. Square corner option and drive-in latchbolt also available on special factory order
- Round Corner Full Lip Strike: 1 3/4" x 2 1/4", optional T-strike
- Rose Diameter: 2 5/8"
- 1" bore diameter for latch, 2 1/8" diameter for lock housing

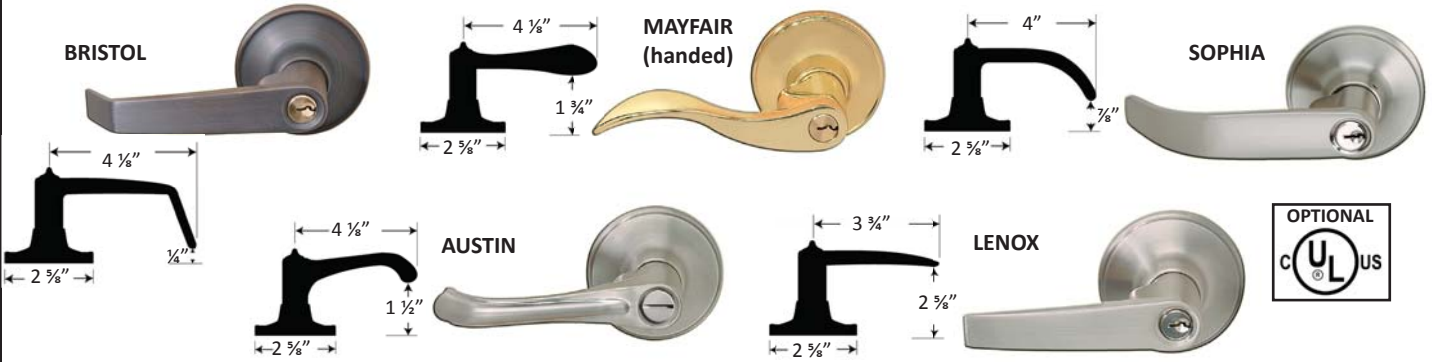


MODEL#			FUNCTION	FINISHES
RENO SERIES	ASPEN SERIES	BERMUDA SERIES		
REN-00	ASP-00	BER-00	Entrance	US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
REN-05	ASP-05	BER-05	Storeroom	
REN-20	ASP-20	BER-20	Privacy	
REN-30	ASP-30	BER-30	Passage	
REN-40	ASP-40	BER-40	Dummy	

CHELSIE Series

GRADE 3 • ANSI A.156.2 • TUBULAR LEVERSETS
OPTIONAL UL

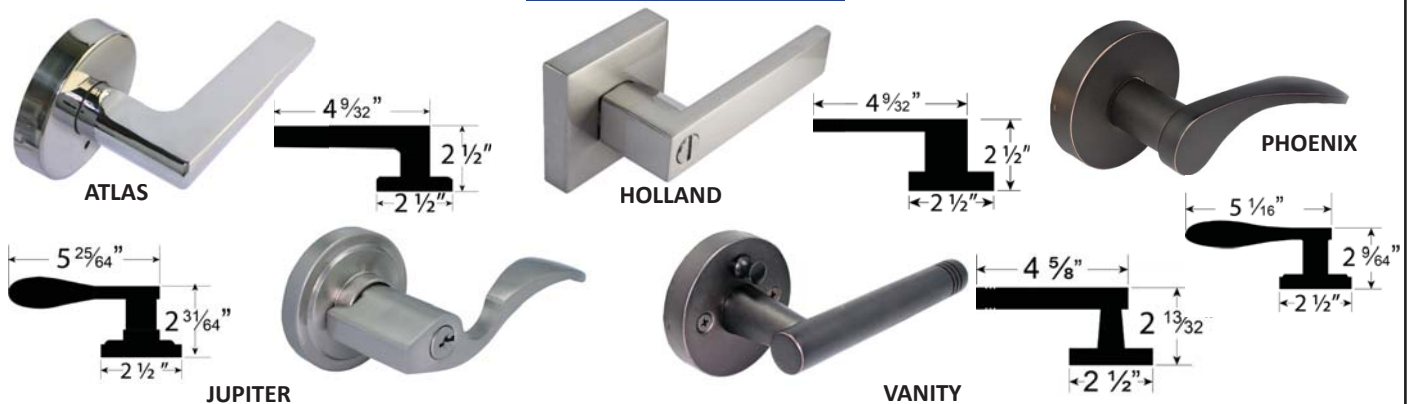
- **Grade 3**, ANSI standard A156.2, Optional 1 ½ hour UL latch
- 5 Year Finish Warranty, 25 Year Mechanical Warranty
- Brass trim. Levers and handles are zinc plated
- Tubular body, Exposed screws, Easy installation
- Reversible for right and left handed doors (**except Mayfair**)
- Kwikset 5-pin keyway. Rekeyable for master and construction keying
- Weiser and Schlage "C" keyway available on special factory request
- For wood and metal doors, Fits 1 ⅝" to 1 ¾" thick doors
- 2 ⅜" or 2 ¾" adjustable backset, size 1" x 2 ¼" round corner standard. Square corner option and drive-in latchbolt also available on special factory order
- Round Corner Full Lip Strike: 1 ¾" x 2 ¼", Optional T-strike
- Keyed entry comes with lever/lever for exterior and interior, Rose Diameter: 2 ⅝"
- 1" bore diameter for latch, 2 ⅝" diameter for lock housing
- **For optional UL, prefix "UL" before PART #**



MODEL#					FUNCTION	FINISHES
MAYFAIR	AUSTIN	BRISTOL	SOPHIA	LENOX		
MAY-00	AUS-00	BRI-00	SOP-00	LEN-00	Entrance	US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
MAY-05	AUS-05	BRI-05	SOP-05	LEN-05	Storeroom	
MAY-20	AUS-20	BRI-20	SOP-20	LEN-20	Privacy	
MAY-30	AUS-30	BRI-30	SOP-30	LEN-30	Passage	
MAY-40	AUS-40	BRI-40	SOP-40	LEN-40	Dummy	

CONTEMPORARY Series

GRADE 3 • ANSI A.156.2
TUBULAR LOCKSETS



MODEL#					FUNCTION	FINISHES
ATLAS	JUPITER	HOLLAND	VANITY	PHOENIX		
-	JUP-00 *H	HOL-00 *NH	-	PHO-00 *R	ENTRANCE	PVD, US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
ATL-20 *R	JUP-20 *R	HOL-20 *NH	VAN-20 *R	PHO-20 *R	PRIVACY	
ATL-30 *NH	JUP-30 *R	HOL-30 *NH	VAN-30 *NH	PHO-30 *R	PASSAGE	
ATL-40 *NH	JUP-40 *H	HOL-40 *NH	VAN-40 *NH	PHO-40 *H	DUMMY	

*H - Handed *NH - Non-Handed *R - Reversible

CHELSIE Series GRADE 3 • ANSI A.156.2 • TUBULAR DEADBOLTS OPTIONAL UL

- **Grade 3**, ANSI standard A156.2, Optional 1 ½ hour UL latch
- 5 Year Finish Warranty, 25 Year Mechanical Warranty
- Full 1" throw deadbolt with hardened steel pin to prevent saw cut
- All metal body and cylinder construction
- All exterior parts are brass or stainless steel
- For wood and metal doors
- Easy installation
- Reversible for right and left handed doors
- Kwikset 5-pin keyway. Rekeyable for master and construction keying
- Weiser and Schlage "C" keyway available on special factory request
- Fits 1 3/8" to 1 3/4" doors, Rose Diameter: 2 1/2"
- 2 3/8" or 2 3/4" adjustable backset, size 1" x 2 1/4" round corner standard. Square corner and drive-in adjustable backset option also available on special factory order
- **For optional UL, prefix "UL" before PART#**



MODEL#						FINISHES
ED-500	EDD-400	ID-701	ID-801	ESQ-101	ESQ-102	
Single Cylinder Deadbolt	Double Cylinder Deadbolt	One Sided Deadbolt	One Sided Deadbolt with Cover	Single Cylinder Deadbolt	Double Cylinder Deadbolt	US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)

CHELSIE Series GRADE 3 • ANSI A.156.2 • LIGHT DUTY HANDLESETS

- **Grade 3**, ANSI standard A156.2, Light Duty Handlesets
- 5 Year Finish Warranty, 25 Year Mechanical Warranty
- All metal body and parts
- All solid brass forged body
- Solid filled handle grip
- Non locking knob or lever operates latch from interior
- Thumb piece operates handleset latch from exterior
- Interior Leverset see Chelsie series
- Strikes and latchbolts same as Knob & Leversets
- Reversible for right and left handed doors except Mayfair
- "KW" 5-pin kwikset keyway standard
- Rekeyable for master and construction keying
- Weiser and Schlage "C" keyway available on special factory request
- For wood and metal doors
- 2 3/8" or 2 3/4" backset, size 1" x 2 1/4" round corner standard. Square corner and drive-in adjustable backset option also available on special factory order
- Round Corner Full Lip Strike: 1 3/4" x 2 1/4", Optional T-strike
- Round Corner Deadbolt Strike: 1" x 2 1/4"
- 1" bore diameter for latch, 2 3/8" diameter for lock housing
- Architectural Finishes



MODEL#					FUNCTION	FINISHES
DEERFIELD	BAYBRIDGE	CAMBRIDGE	SAVANNAH	MERIDIAN		
DEE-00	BAB-00	CAM-00	SAV-00	MER-00	Handle with Single Cylinder Deadbolt	PVD, US3, US5, US10B, US15, US15A, US26, US26D (Refer to Catalog for stock finishes and functions)
DEE-40	BAB-40	CAM-40	SAV-40	MER-40	Complete Dummy Trim	

7700 & F7700 Series

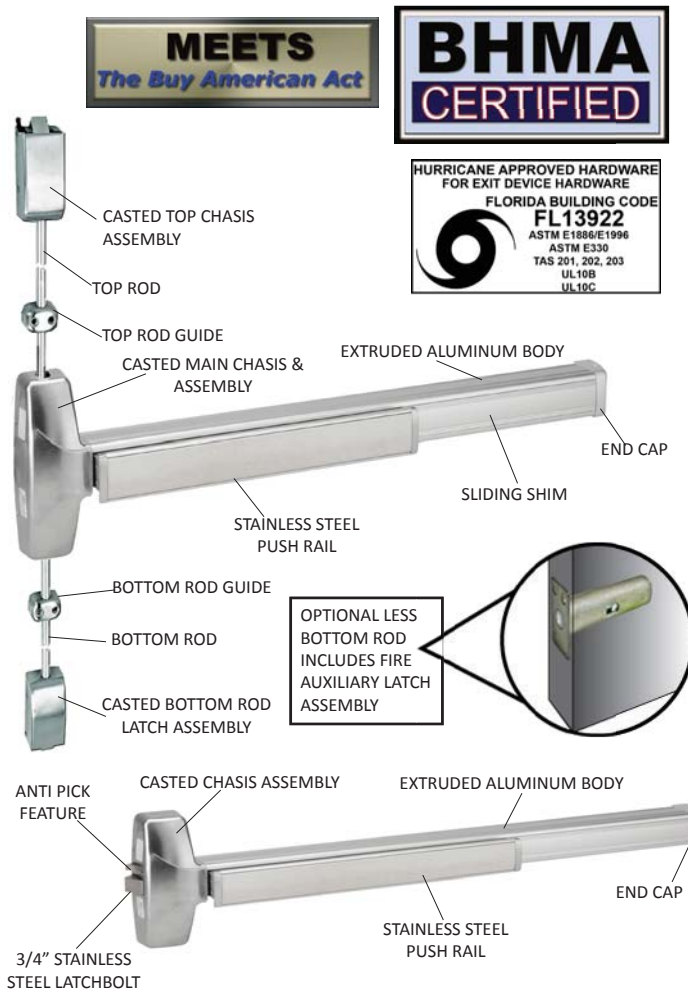
Lifetime Warranty



RIM TYPE PANIC AND FIRE EXIT DEVICES VERTICAL ROD PANIC AND FIRE EXIT DEVICES (OPTIONAL LESS BOTTOM ROD) GRADE 1 • ANSI A.156.3 • UL LISTED UBC 7-2-1997 • 3 HOUR RATING

- ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs
- Rail assemblies are made from heavy duty extrusions. Both touch pad and end cap are made from brass or stainless steel. Rail travels in direction of the door swing
- Trims are thrubolted for additional security
- Conforms and Meets ADA Regulations
- UL Listed for Panic and ULC10C, UBC 7-2-1997 codes
- UL Listed for Fire Exit Hardware. 3 hours
















- (A) Fire label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions
- Uncompromising security and safety in 4'0" x 8'0" single and double fire exit doors
- Chassis mounted unit construction. Rim and vertical rod devices are non-handed and easily reversible
- Available in many different functions. Lever and escutcheon trims are Grade 1 construction with optional clutch free-wheeling mechanism. Rose and escutcheon covers 161 cut out



SPECIFICATIONS

For Doors.....	1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width required for single or double door application using 938 strike and pull lever, thumbpiece and escutcheon trims
Chassis.....	Nonferrous alloy
Head Cover.....	Nonferrous material, plated to match finish. Covers stock hollow metal doors with 161 cut out
Mounting.....	Furnished standard with wood and machine screws. Thrubolts are standard packaging on fire rated devices
End Cap.....	Brass or stainless steel
Hand.....	Non-handed on Rim only. Handed Vertical Rod, field reversible. Order LHR, RHR for convenience. 2 3/4" backset
Latchbolt.....	Stainless steel 3/4" throw with anti-pick feature
Spring.....	Stainless steel throughout
ANSI Standard.....	A156.3, Grade 1
Rail Assembly.....	Heavy gauge extruded aluminum body. Brass or stainless steel push pad
Dogging Feature.....	Allen-type key furnished standard on non-fire labeled devices
Mullion.....	Available
UL and ULC Listed...	7700 Series for panic. F7700 Series for fire exit hardware for all types 4' x 8' single doors and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
LBR.....	Optional Less Bottom Rod includes Fire Auxiliary Latch Assembly
Finish.....	Architectural plated finishes
Door Size.....	7700EO36 and F7700EO36 for 36" doors 7700EO48 and F7700EO48 for 48" doors 7760V3694 and F7760V3684 for 36" x 84" doors 7790V4896 and F7796V4896 for 48" x 96" doors 7790V3696 and F7790V3696 for 36" x 96" doors 7750V36120 for 36" x 120" doors 7740V48120 for 48" x 120" doors

MODEL #	TYPE	FUNCTION	DOOR WIDTH/HEIGHT	ALARM	FINISH
7700	Panic Hardware	Rim exit device	36" or 48" Width 84", 96" or 120" Height	OPTIONAL	US3, US4, US10, US10B, US32D (Refer to catalog for available stock finishes)
7700V		Surface vertical rod exit device			
LBR7700		Surface vertical rod less bottom rod			
F7700	Fire Exit Hardware Rated 3 hrs	Rim exit device	36" or 48" Width 84" or 96" Height		
F7700V		Surface vertical rod exit device			
LBRF7700		Surface vertical rod less bottom rod			
MR7700		Mortise lock rim exit device			
CVR7700		Concealed vertical rod			

LEVER TRIM SELECTIONS	PULL DESIGNS	ESCUTCHEON LEVER DESIGNS
 <p>CLUTCH FREE-WHEELING MECHANISM</p> <p>Functions:</p> <ul style="list-style-type: none"> Entrance / Classroom (ENT00L), Storeroom (STR05L), Passage (PAS30L) and Dummy (DUM40L) <p>When ordering "AT" and "SPA" designs, prefix design name before part #. EX: ENT00L in "AT" is ATENT00L</p>	 <p>7700NL Night Latch</p> <p>7700DTP Pull Only</p> <p>7700EOP Cover Plate</p>	 <p>RIGID LEVER MECHANISM</p> <p>Functions:</p> <ul style="list-style-type: none"> Entrance / Classroom (ESC7700), Storeroom (ESC7705), Passage (ESC7730) and Dummy (ESC7740)
For 2 1/4" thick door use TAIL1 KIT	For 2 1/4" thick door use TAIL7 KIT	For 2 1/4" thick door use TAIL3 KIT
KNOB TRIM	THUMBPIECE TRIMS	ALARM
 <p>8000K ENTRANCE</p>	 <p>77TP00</p> <p>77TP40</p> <p>Functions:</p> <ul style="list-style-type: none"> Entrance / Classroom (77TP00), Storeroom (77TP05), Passage (77TP30) and Dummy (77TP40) 	<p>EMERGENCY EXIT ONLY ALARM WILL SOUND</p> <p>DECAL</p>  <p>Small and Large Format IC available</p> <p>RIM TYPE EXIT DEVICES ALRM7700EO36, ALRM7700EO48, ALF7700EO36 and ALF7720EO48</p> <p>VERTICAL ROD EXIT DEVICES Prefix "ALRM" before PART#</p> <p>KITS: 36ALARM77, 48ALARM77</p>
CYLINDER DOGGING KIT	<p>INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE</p> <ul style="list-style-type: none"> (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core 	
 <p>Small and Large Format IC available 36CD7700 for 36" and 48CD7700 for 48"</p>		
HEAVY DUTY DIGITAL EXIT TRIMS	ELECTRIFIED TRIMS AND ACCESSORIES	
<p>CLUTCH FREE-WHEELING MECHANISM</p>  <p>CR5000 TRILOGY © (ELECTRONIC)</p>  <p>CRCODE007 (ELECTRONIC)</p>  <p>CRCODE101 (MECHANICAL)</p> <p>RIGID LEVER MECHANISM</p>	<p>POWER SUPPLIES</p> <p>CRPS1N For single latch retracting exit device</p>  <p>CRPS2 For two latch retracting exit devices</p>  <p>CRPS2BB For two latch retracting exit devices with audible power failure sensor</p>  <p>CRSW3 Regulated switching power supply</p> 	<p>ELECTRIFIED LEVER TRIM</p> <p>RIGID LEVER MECHANISM</p>  <p>Small and Large Format IC available</p> <p>FS12ESC77 - Fail Safe Option 12V AC/DC FS24ESC77 - Fail Safe Option 24V AC/DC FSE12ESC77 - Fail Secure Option 12V AC/DC FSE24ESC77 - Fail Secure Option 24V AC/DC</p> <p>ELR-Electric Latch Retraction Available on rim, vertical rod, fire and non-fire rated devices</p> <p>SIGNAL SWITCH RX and LX RX7700 (Request to Exit) and LX7700 (Latchbolt monitoring signal) switches are available</p> <p>LXRX7700 - Latchbolt monitoring & Request to Exit Combination</p>

MR7700 & FMR7700 Series

Lifetime Warranty



MORTISE EXIT DEVICE

GRADE 1 • ANSI A.156.3 • UL LISTED UL10C and UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED

- Grade 1, heavy duty exit device mortise lock design
- UL Listed for panic and UL10C, UBC 7-2-1997 codes
- ANSI A.156.3, Grade 1
- Conforms and meets ADA regulations
- (A) Fire Label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions

- Chassis mounted unit construction
- Can be used for wood or metal type doors
- Non-ferrous alloy chassis
- Easily field reversible
- Optional Electrical Latch Retraction (ELR) and RX and LX Signal Switch
- Uncompromising security and safety in single and double fire exit doors

SPECIFICATIONS

For Doors.....	Wood / Metal. 1 3/4" (44.5mm) minimum thickness, 4 1/2" (114mm) minimum stile width. 2 3/4" backset
Chassis.....	Nonferrous alloy
Head Cover.....	Nonferrous material, plated to match finish
EndCap.....	Brass or stainless steel
Handing.....	Handed. Reversible. Specify RHR or LHR for convenience
ANSI Standard.....	A156.3, Grade 1
Mounting.....	Furnished standard with wood and machine screws
Strikes.....	Standard ANSI Strike
Mortise Lock.....	Grade (1) for 1 3/4"(44.5mm) thick doors. Reversible. Fits doors prepared for ANSI standard A115.1
Fire Exit hardware...	FMR7700 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2 1997 codes
Rail Assembly.....	Heavy gauge extruded aluminum body. Brass / stainless steel push pad
Trim.....	See trim designs below
Electric Function.....	(ELR) Electrical Latch Retraction and RX and LX Signal Switch available
Alarm.....	Prefix "ALRM" before PART#



MODEL	TYPE	FUNCTION	DOOR WIDTH	ALARM	FINISH
MR7700EO36	Non-Fire Rated	Mortise Lock Exit Device	36" or 48"	OPTIONAL	US10B, US32D
MR7700EO48					
FMR7700EO36	Fire Exit Hardware Rated 3 hrs				
FMR7700EO48					

TRIM SELECTIONS ESCUTCHEON LEVER DESIGN

MODEL	FUNCTION
MRESC7700 or ICMRESC7700 ICSCMRESC7700	Entrance / Classroom
MRESC7705 or ICMRESC7705 ICSCMRESC7705	Storeroom
MRESC7730	Passage
MRESC7740	Dummy

RIGID LEVER MECHANISM

NON-HANDED



Small and Large Format IC Available

ELECTRIFIED MORTISE LOCK BODY



FS12MRESC77 - Fail Safe Option 12V AC/DC

FS24MRESC77 - Fail Safe Option 24V AC/DC

FSE12MRESC77 - Fail Secure Option 12V AC/DC

FSE24MRESC77 - Fail Secure Option 24V AC/DC

Small and Large Format IC Available

ELR- Electric Latch Retraction
Available on rim, vertical rod, fire and non-fire rated devices.
SIGNAL SWITCH RX and LX
RX7700 (Request to Exit) and **LX7700** (Latchbolt monitoring signal) switches are available
LXRX7700 - Latchbolt monitoring and Request to Exit Combination

CYLINDER DOGGING KIT



DOGGING KIT

Cylinder Dogging kit for non-fire rated 36" and 48" width door applications

ALARM KIT

EMERGENCY EXIT ONLY
ALARM WILL SOUND

DECAL



ALARM KIT

Alarm kit with micro switch for 36" and 48" width door applications

INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE

- (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW
- (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core

MCVR7700 & WCVR7700 Series

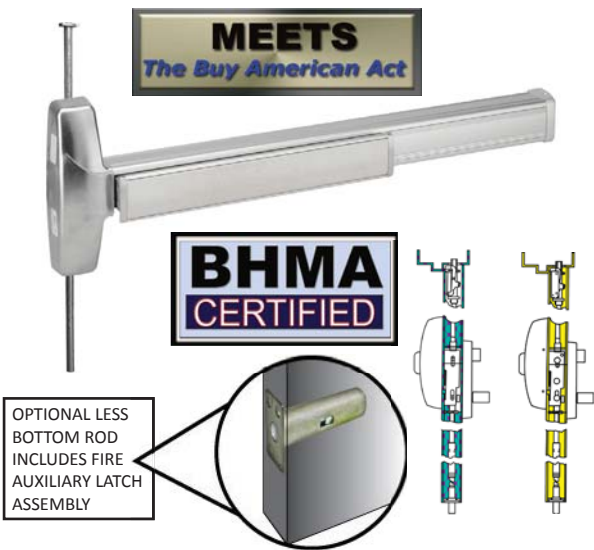
Lifetime Warranty



**CONCEALED VERTICAL ROD EXIT DEVICE (OPTIONAL LESS BOTTOM ROD)
GRADE 1 • ANSI A.156.3 • UL LISTED UL10C and UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED**

- Grade 1, heavy duty exit device in concealed vertical rod design
- ANSI A.156.3, Grade 1
- Conforms and meets ADA regulations
- For fire exit hardware for all types 4' x 8' single and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes

- Chassis mounted unit construction
- Can be used for wood or metal type doors
- Non-ferrous alloy chassis
- Easily field reversible
- Optional Electrical Latch Retraction (ELR) and RX and LX Signal Switch
- Uncompromising security and safety in single and double fire exit doors



SPECIFICATIONS

- For Doors..... Wood / Metal. 1 3/4" (44.5mm) minimum thickness, 4 1/2" (114mm) minimum stile width. 2 3/4" backset
- Chassis..... Nonferrous alloy
- Head Cover..... Nonferrous material, plated to match finish
- End Cap..... Brass or stainless steel
- Handing..... Handed. Field Reversible. Specify RHR or LHR for convenience
- ANSI Standard..... A156.3, Grade 1
- Mounting..... Furnished standard with wood and machine screws
- LBR..... Optional Less Bottom Rod (LBR) includes Fire Auxiliary Latch Assembly
- Top & Bottom Bolts..... Stainless Steel. Top and bottom bolt travel 7/16" (11mm). Projection adjustable up to 1" (25mm)
- Fire Exit hardware... FWCVR7700 and FMCVR7700 Series for fire exit hardware for all types of 4' x 8' single and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2 1997 codes
- Rail Assembly..... Heavy gauge extruded aluminum body. Brass or stainless steel push pad
- Trim..... See Trim designs below
- Electric Functions.. (ELR) Electrical Latch Retraction and RX and LX Signal Switch available
- Alarm..... Prefix "ALRM" before PART#

MODEL	TYPE	FUNCTION	DOOR WIDTH/ HEIGHT	ALARM	FINISH
M77CVR	Non-Fire Rated Exit Hardware	Concealed Vertical Rod Exit Device Metal Doors	36" or 48" Width 84" or 96" Height	OPTIONAL	US10B US32D
W77CVR		Concealed Vertical Rod Exit Device Wood Doors			
LBRM77CVR		Concealed Vertical Rod Less Bottom Rod Exit Device for Metal and Wood Doors			
LBRW77CVR		Concealed Vertical Rod Less Bottom Rod Exit Device for Metal and Wood Doors			
FM77CVR	Fire Exit Hardware Rated 3 hrs	Concealed Vertical Rod Exit Device Metal Doors	36" or 48" Width 84" or 96" Height	OPTIONAL	US10B US32D
FW77CVR		Concealed Vertical Rod Exit Device Wood Doors			
LBRFM77CVR		Concealed Vertical Rod Less Bottom Rod Exit Device for Metal and Wood Doors			
LBRFW77CVR		Concealed Vertical Rod Less Bottom Rod Exit Device for Metal and Wood Doors			

OPTIONAL ACCESSORIES: MCVROD96, WCVROD96 - Top Rod for 96"Height

TRIM SELECTIONS ESCUTCHEON LEVER DESIGN

MODEL #	FUNCTION
CVRESC7700	Entrance / Classroom
CVRESC7705	Storeroom
CVRESC7730	Passage
CVRESC7740	Dummy

ELECTRIFICATION

ELR - Electric Latch Retraction
Available on rim, vertical rod, fire and non-fire rated devices

SIGNAL SWITCH RX and LX RX7700 (Request to Exit) and **LX7700** (Latchbolt monitoring) signal switches are available

LRRX7700 - Latchbolt monitoring and Request to Exit Combination

ALARM KIT

Alarm kit with micro switch for 36" width door applications.

CYLINDER DOGGING KIT

INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE

- (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW
- (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core

GLS7700 & GLSCVR7700 Series

Lifetime Warranty



**NARROW STILE RIM CONCEALED VERTICAL ROD (OPTIONAL LESS BOTTOM ROD)
GRADE 1 • ANSI A.156.3 • UL LISTED FOR PANIC AND SAFETY**



MEETS
The Buy American Act

SPECIFICATIONS

- For Doors..... Glass doors with a minimum stile of 1 1/4" width, required for single or double door application
- Chassis..... Nonferrous alloy
- Head Cover..... Nonferrous material, plated to match finish
- End Cap..... Brass or stainless steel construction
- Handing..... Rim Device Non-Handed. Concealed Vertical Rod Handed. Specify RHR or LHR
- ANSI Standard.... A156.3, Grade 1
- Mounting..... Furnished standard with wood and machine screws
- Strikes..... Packed standard for rim panic
- Top & Bottom Bolts Steel. Top and bottom bolt travel 7/16" (11mm). Projection adjustable up to 1" (25mm)
- Rail Assembly..... Heavy gauge extruded aluminum body. Brass or stainless steel push pad
- Trim..... See Trim designs below
- Electric Functions... (ELR) Electrical Latch Retraction and RX and LX Signal Switch available
- Alarm..... Prefix "ALRM" before PART#
- Dogging Feature.... Cylinder dogging available
- Door Sizes..... 36" door for GLS77E036, 48" door for GLS77E048, GLSCVR773684 for 36" x 84", GLSCVR774884 for 48" x 84"

MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
GLS77E036	Non-Fire Rated Panic Hardware	Rim Exit Device	24" to 36" Door Size	OPTIONAL	US32D, US10B
GLS77E048			34" to 48" Door Size		
GLSCVR773684, LBRGLSCVR773684		Concealed Vertical Rod, Less Bottom Rod	36" Width 84" Height	OPTIONAL	US32D, US10B
GLSCVR774884, LBRGLSCVR774884			48" Width 84" Height		

REVERSIBLE LEVER TRIM SELECTIONS

MODEL #	FUNCTION
GLSRIM9800 (RIM)	Entrance
GLSCVR9800 (CVR)	
GLSRIM9805	Storeroom
GLSCVR9805	
GLSRIM9830	Passage
GLSCVR9830	
GLSRIM9840	Dummy
GLSCVR9840	



ELECTRIFICATION

ELR - Electric Latch Retraction Available on rim and concealed vertical rod devices

SIGNAL SWITCH RX and LX

RXGLS7700 (Request to Exit) and **LXGLS7700** (Latchbolt monitoring) signal switches are available

LXRXGLS7700 - Latchbolt monitoring and Request to Exit Combination

REVERSIBLE AND HANDED PULL TRIM SELECTIONS

98GLSNL	U-Pull Trim with Cylinder (Handed)
98GLSNL-1	Cylinder Trim for Narrow Stile
98GLSUP	U-Pull Trim without Cylinder (Non-Handed)
OFSTPUL-10	Stainless Steel/Aluminum Pull Bar Trim 10" CTC
GLSCVREOP	Cover Plate (For Rim Only)

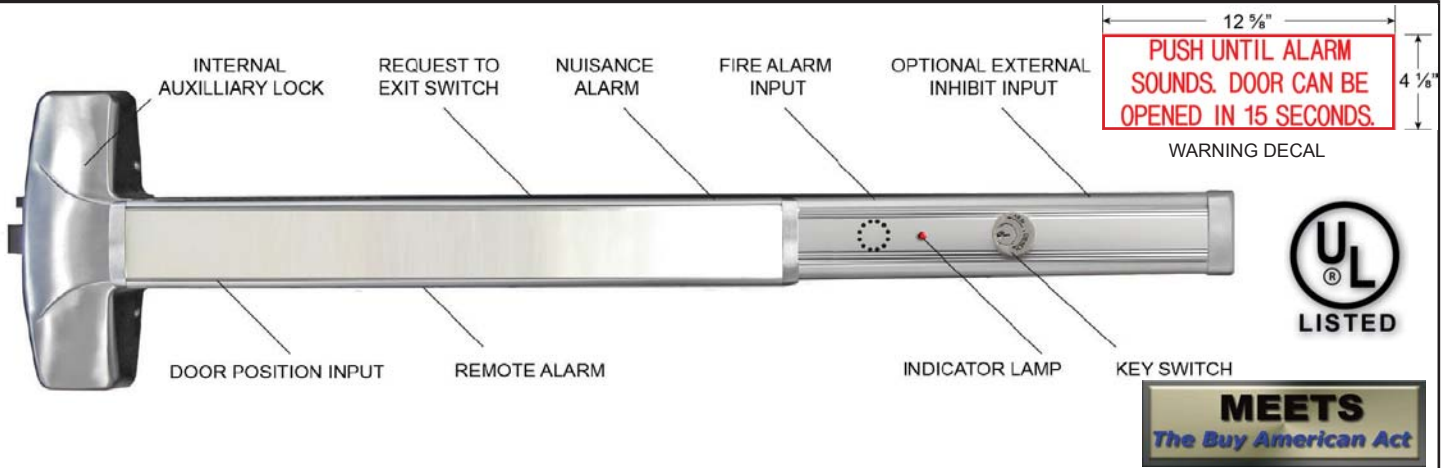


OPTIONAL ACCESSORIES: MCVROD96 - Top Rod for Narrow Stile 96" Height

ALARM	DOGGING KIT	INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE
<p>EMERGENCY EXIT ONLY ALARM WILL SOUND</p> <p>DECAL</p> <p>Small and Large Format IC Available</p> <p>Alarm kit with micro switch for 36" and 48" width door applications.</p>	<p>Small and Large Format IC Available</p> <p>Cylinder Dogging kit for non-fire rated 36" and 48" width door applications</p>	<p>(IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW</p> <p>(ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core</p>

DEG7700 SERIES DELAYED EGRESS EXIT DEVICE

DELAYED EGRESS ALL IN ONE DEVICE



FEATURES

EGRESS DELAY	BUILT-IN ANNUNCIATION	CODE COMPLIANCE
<ul style="list-style-type: none"> All in One Device 15 or 30 second exit delay (factory set to 15 secs) 1 or 2 second nuisance delay Alarm and Lock reset 1 to 30 second momentary bypass Sustained bypass 	<ul style="list-style-type: none"> Armed mode Nuisance mode Irreversible egress mode Release mode <p><u>Optional External Inhibit Input</u></p> <ul style="list-style-type: none"> Remote override Remote reset 	<ul style="list-style-type: none"> IFC International Fire Code IBC International Building Code NFPA 101 Life Safety Code NFPA 1 Uniform Fire Code California Building Code Field selectable automatic or manual power up after emergency release or power loss
CONTROL INPUTS	TRIGGER MODES	MONITORING OUTPUTS
<ul style="list-style-type: none"> 1 to 30 second request-to-exit and bypass input with anti-tailgate and jumper selectable door prop alarm Reset 	<ul style="list-style-type: none"> Egress Alarm triggered by Push Bar Trigger input from external device field selectable (N/O) or N/C) 	<ul style="list-style-type: none"> Armed mode Nuisance mode Release status

TECHNICAL SPECIFICATIONS

- 24VDC @ 430mA
- 24VDC@250mA Slave

Power Supply CR602RF 1 Amp / CR631RF 1.5 Amp



- Field selectable 12 or 24V DC, regulated and filtered
- Auto resetting output circuit protection
- Isolated 13.5/27V DC battery charger
- Low battery disconnect
- Emergency release input
- Field selectable UBC & California compliant manual power up
- Input, output and battery status LED's
- 11 1/4" x 11 1/4" x 3 1/2" enclosure
- Choice of output and door control modules

APPLICATION

When unauthorized egress is initiated the device delays egress through the door for 15 seconds (or 30 seconds). Meanwhile, the person exiting must wait while personnel or security responds. The door unlocks after 15 seconds have elapsed permitting egress. When powered by a fire control supervised power supply, the lock will release immediately in an emergency.

FOR USE WITH: (FIRE AND NON-FIRE)

- DE7700 Rim Panic Exit Device
- DEF7700 Rim Panic Exit Device
- DEMCVR7700 Concealed Vertical Rod (metal doors)
- DEWCVR7700 Concealed Vertical Rod (wood doors)
- DEFMVCVR7700 Concealed Vertical Rod (metal doors)
- DEFWCVR7700 Concealed Vertical Rod (wood doors)
- DE7700V Surface Vertical Rod Exit Device¹
- DEF7700V Surface Vertical Rod Exit Device¹
- DEMR7700 Mortise Exit Device
- DEFMR7700 Mortise Exit Device

¹Recommends use of rod and latch guards and strike monitor for surface vertical rods

9800 & F9800 Series

Lifetime Warranty

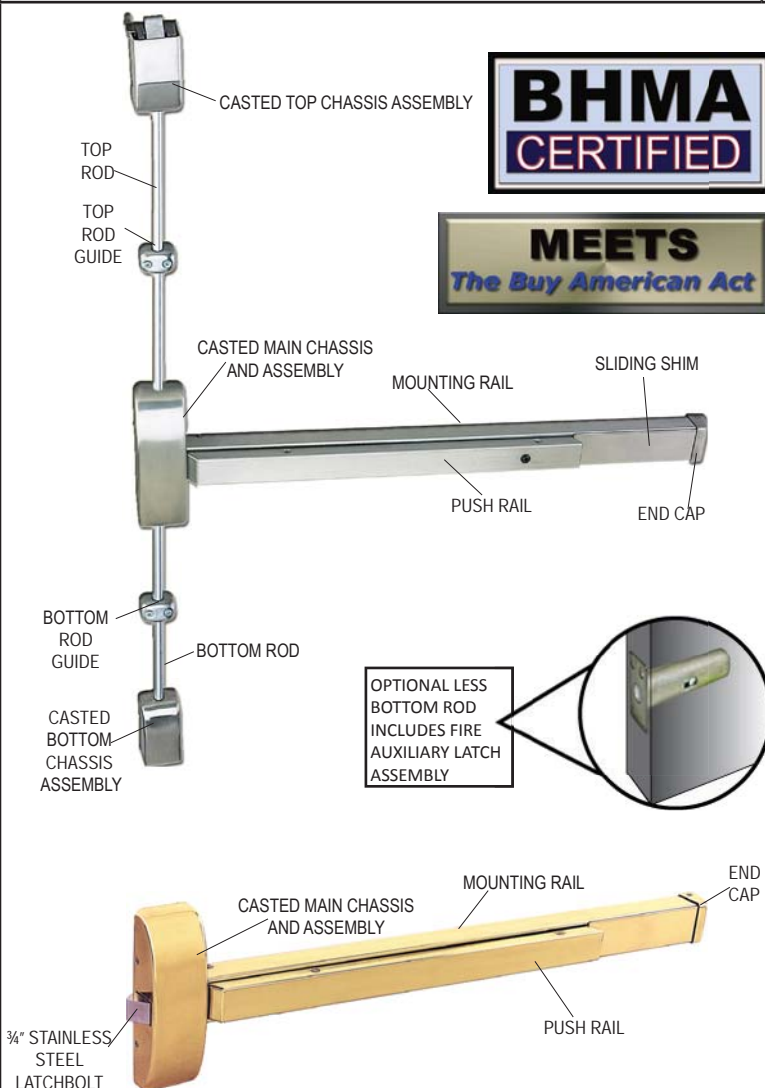


RIM TYPE PANIC AND FIRE EXIT DEVICES

VERTICAL ROD PANIC AND FIRE EXIT DEVICES (OPTIONAL LESS BOTTOM ROD)

GRADE 1 • ANSI A.156.3 • UL LISTED UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED











- ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs
- Conforms and meets ADA regulations
- For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement
- For fire exit hardware for all types 4' x 8' single and 8' x 8' double doors up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
- Uncompromising security and safety in single and double fire exit doors
- Chassis mounted unit construction. Rim and vertical rod devices are non-handed and easily field-reversible
- Available in many different functions. Lever and escutcheon trims are Grade 1 construction with optional clutch free-wheeling mechanism
- Rose and escutcheon covers 161 cut out



SPECIFICATIONS

- For Doors..... 1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width required for single or double door application using 239 strike and pull lever, thumbpiece and escutcheon trims
- Chassis..... Nonferrous alloy (Panic Grade), steel (Fire Grade)
- Head Cover..... Brass, bronze or stainless steel. Covers stock hollow metal doors with 161 cut out
- Mounting..... Furnished standard with wood and machine screws. Thrubolts are included in standard packaging on fire rated devices
- End Cap..... Brass, bronze or stainless steel construction
- Hand..... Non-handed on Rim only. Handed Vertical Rod, field reversible. Order LHR, RHR for convenience. 2 3/4" backset. Optional 2 3/8" with additional strike
- Latchbolt..... Stainless steel 3/4" throw with anti-pick feature
- Spring..... Stainless steel throughout
- ANSI Standard..... A156.3, Grade 1
- Rail Assembly..... Heavy gauge stainless steel or brass
- LBR..... Optional Less Bottom Rod includes Fire Auxiliary Latch Assembly
- Dogging Feature.. Allen-type key furnished standard on non-fire labeled device
- Mullion..... Available
- UL & ULC Listed.. 9800 Series for panic. F9800 Series for fire exit hardware for all types 4' x 8' single doors and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
- Finish..... Architectural plated finishes
- Door Size..... 9800EO36 and F9800EO36 for 30" to 36" doors
9800EO48 and F9800EO48 for 36" to 48" doors
9860V3694 and F9860V3684 for 36" x 84" doors
9890V4896 and F9896V4896 for 48" x 96" doors
9890V3696 and F9890V3696 for 36" x 96" doors
9850V36120 for 36" x 120" doors
9840V48120 for 48" x 120" doors

MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
9800	Panic Hardware	Rim exit device	36" or 48" Width 84", 96" or 120" Height	OPTIONAL	US3, US4, US10, US10B, US32D
9800V		Surface vertical rod exit device			
LBR9800		Surface vertical rod less bottom rod			
F9800	Fire Exit Hardware Rated 3 hrs	Rim exit device	36" or 48" Width 84" or 96" Height		(Refer to catalog for available stock finishes)
F9800V		Surface vertical rod exit device			
LBRF9800		Surface vertical rod less bottom rod			

LEVER TRIM SELECTIONS	PULL DESIGNS	ESCUTCHEON LEVER DESIGNS
 <p>Functions: ●● Entrance / Classroom (ENT00L), Storeroom (STR05L), Passage (PAS30L) and Dummy (DUM40L) When ordering "AT" and "SPA" designs, prefix design name before part #. EX: ENT00L in "AT" is ATENT00L</p> <p>CLUTCH FREE-WHEELING MECHANISM</p>	 <p>●● 9800NL Night Latch ●● 9800DTP Pull Only ●● 9800EOP Cover Plate</p>	 <p>RIGID LEVER MECHANISM</p> <p>Functions: ●● Entrance / Classroom (NESCE9800), Storeroom (NESCE9805), Passage (NESCE9830) and Dummy (NESCE9840) For "AT" and "RL" Design, replace "NESCE" with required Design</p>
For 2 1/4" thick door use TAIL1 KIT	For 2 1/4" thick door use TAIL7 KIT	For 2 1/4" thick door use TAIL3 KIT
KNOB TRIM	THUMBPIECE TRIMS	ALARM
 <p>8000K ENTRANCE</p>	 <p>Functions: ●● Entrance / Classroom (98TP00), Storeroom (98TP05), Passage (98TP30) and Dummy (98TP40)</p>	<p>EMERGENCY EXIT ONLY ALARM WILL SOUND</p> <p>DECAL</p>  <p>●● Small and Large Format IC available</p> <p>RIM TYPE EXIT DEVICES ALRM9800EO36, ALRM9800EO48, ALF9800EO36 and ALF9820EO48</p> <p>VERTICAL ROD EXIT DEVICES Prefix "ALRM" before PART#</p> <p>KITS: 36ALARM98, 48ALARM98, V36ALARM98, V48ALARM98</p>
CYLINDER DOGGING KIT		
 <p>●● Small and Large Format IC available 36CD9800 for 36" and 48CD9800 for 48"</p>		
INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE		
<p>●● (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW ●● (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core</p>		
HEAVY DUTY DIGITAL EXIT TRIMS	ELECTRIFIED TRIMS AND ACCESSORIES	
<p>CLUTCH FREE-WHEELING MECHANISM</p>  <p>●● CR500 TRILOGY © (ELECTRONIC)</p>  <p>CRCODE007 (ELECTRONIC)</p>  <p>CRCODE101 (MECHANICAL)</p> <p>RIGID LEVER MECHANISM</p>	<p>POWER SUPPLIES</p> <p>CRPS1N For single latch retracting exit device ●●</p> <p>CRPS2 For two latch retracting exit devices ●●</p> <p>CRPS2BB For two latch retracting exit devices with audible power failure sensor ●●</p> <p>CRSW3 Regulated switching power supply ●●</p>	<p>ELECTRIFIED LEVER TRIM</p> <p>RIGID LEVER MECHANISM</p> <p>●● Small and Large Format IC available FS12ESC98 - Fail Safe Option 12V AC/DC FS24ESC98 - Fail Safe Option 24V AC/DC FSE12ESC98 - Fail Secure Option 12V AC/DC FSE24ESC98 - Fail Secure Option 24V AC/DC</p> <p>ELR-Electric Latch Retraction Available on rim, vertical rod, fire and non-fire rated devices</p> <p>SIGNAL SWITCH RX and LX RX9800 (Request to Exit) and LX9800 (Latchbolt monitoring signal) switches are available</p> <p>LXR9800 - Latchbolt monitoring & Request to Exit Combination</p>

MR9800 & FMR9800 Series

Lifetime Warranty



MORTISE EXIT DEVICE

GRADE 1 • ANSI A.156.3 • UL LISTED UL10C AND UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED

- Grade 1, heavy duty exit device mortise lock design
- ANSI A.156.3, Grade 1
- Conforms and meets ADA regulations
- For fire exit hardware for all types 4' x 8' single and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes

- Chassis mounted unit construction
- Can be used for wood or metal type doors
- Non-ferrous alloy chassis
- Bronze or stainless steel chassis cover
- Easily field reversible
- Optional Electrical Latch Retraction (ELR) and RX and LX Signal Switch
- Uncompromising security and safety in single and double fire exit doors



SPECIFICATIONS

For Doors.....	Wood / Metal. 1 3/4" (44.5mm) minimum thickness, 4 1/2" (114mm) minimum stile width. 2 3/4" backset
Chassis.....	Nonferrous alloy (Panic) Grade, steel (Fire Grade)
Head Cover.....	Bronze or Stainless Steel
End Cap.....	Brass, bronze or stainless steel
Handing.....	Handed. Reversible. Specify RHR or LHR for convenience
ANSI Standard.....	A156.3, Grade 1
Mounting.....	Furnished standard with wood and machine screws
Strikes.....	Standard ANSI Strike
Mortise Lock.....	Grade (1) for 1 3/4"(44.5mm) thick doors. Reversible. Fits doors prepared for ANSI standard A115.1
Fire Exit hardware...	FMR9800 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2 1997 codes
Rail Assembly.....	Heavy gauge stainless steel or brass
Trim.....	See trim designs below
Electric Functions....	(ELR) Electrical Latch Retraction and RX and LX Signal Switch available
Alarm.....	Prefix "NALRM" before PART#

MODEL #	TYPE	FUNCTION	DOOR WIDTH	ALARM	FINISH
MR9800EO36	Non- Fire Rated	Mortise Lock Exit device	36" or 48"	OPTIONAL	US10B, US32D
MR9800EO48					
FMR9800EO36	Fire Exit Hardware Rated 3 hrs				
FMR9800EO48					

TRIM SECTIONS ESCUTCHEON LEVER DESIGN

MODEL #	FUNCTION
MRESC9800 or ICMRESC9800 ICSCMRESC9800	Entrance / Classroom
MRESC9805 or ICMRESC9805 ICSCMRESC9805	Storeroom
MRESC9830	Passage
MRESC9840	Dummy



ELECTRIFIED MORTISE LOCK BODY



- FS12MRESC98** - Fail Safe Option 12V AC/DC
 - FS24MRESC98** - Fail Safe Option 24V AC/DC
 - FSE12MRESC98** - Fail Secure Option 12V AC/DC
 - FSE24MRESC98** - Fail Secure Option 24V AC/DC
- Small and Large Format IC Available

CYLINDER DOGGING KIT



ELR- Electric Latch Retraction
Available on rim, vertical rod, fire and non-fire rated devices.

SIGNAL SWITCH RX and LX
RX9800 (Request to Exit) and **LX9800** (Latchbolt monitoring signal) switches are available

LXRX9800 - Latchbolt monitoring and Request to Exit Combination

ALARM KIT



INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE

- (IC) INTERCHANGEABLE CORE** Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW
- (ICSC) INTERCHANGEABLE CORE** Indicates function available with Schlage Full Size Format Interchangeable Core

MCVR9800 & WCVR9800 Series

Lifetime Warranty

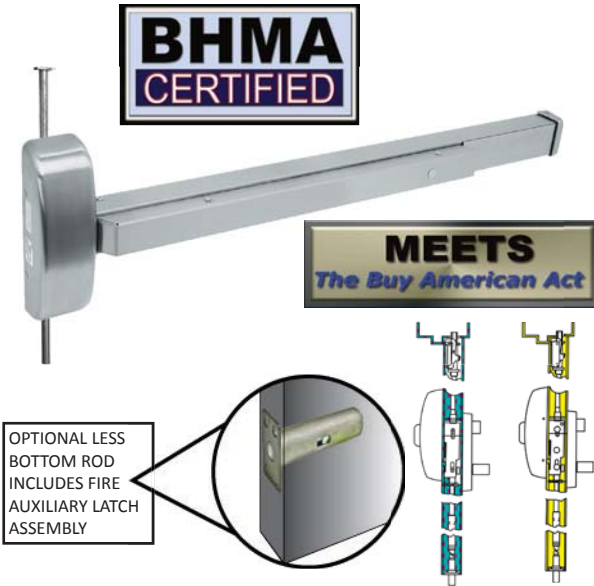


CONCEALED VERTICAL ROD EXIT DEVICE (OPTIONAL LESS BOTTOM ROD)

GRADE 1 • ANSI A.156.3 • UL LISTED UL10C and UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED

- Grade 1, heavy duty exit device in concealed vertical rod design
- UL Listed for panic and UL10C, UBC 7-2-1997 codes
- ANSI A.156.3, Grade 1
- Conforms and meets ADA regulations
- For fire exit hardware for all types 4' x 8' single and 8' x 8' double doors for up to 3 hour fire labeled installations

- Chassis mounted unit construction
- Can be used for wood or metal type doors
- Non-ferrous alloy chassis
- Easily field reversible
- Optional Electrical Latch Retraction (ELR) and RX and LX Signal Switch
- Uncompromising security and safety in single and double fire exit doors



SPECIFICATIONS

- For Doors..... Wood / Metal. 1 3/4" (44.5mm) minimum thickness, 4 1/2" (114mm) minimum stile width. 2 3/4" backset
- Chassis..... Nonferrous alloy (Panic Grade), steel (Fire Grade)
- Head Cover..... Nonferrous material, plated to match finish
- End Cap..... Brass or stainless steel
- Handing..... Handed. Field Reversible. Specify RHR or LHR for convenience
- ANSI Standard..... A156.3, Grade 1
- Mounting..... Furnished standard with wood and machine screws
- LBR..... Optional Less Bottom Rod (LBR) includes Fire Auxiliary Latch Assembly
- Top & Bottom Bolts.... Stainless Steel. Top and bottom bolt travel 7/16" (11mm). Projection adjustable up to 1" (25mm)
- Fire Exit hardware..... FWCVR9800 and FMCVR9800 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2 1997 codes
- Rail Assembly..... Heavy gauge stainless steel or brass
- Trim..... See Trim designs below
- Electric Functions..... (ELR) Electrical Latch Retraction and RX and LX Signal Switch available
- Alarm..... Prefix "NALRM" before PART#

OPTIONAL LESS BOTTOM ROD INCLUDES FIRE AUXILIARY LATCH ASSEMBLY

MODEL	TYPE	FUNCTION	DOOR WIDTH/ HEIGHT	ALARM	FINISH
M98CVR	Non-Fire Rated Exit Hardware	Concealed Vertical Rod Exit Device Metal Doors	36" or 48" Width 84" or 96" Height	OPTIONAL	US10B US32D
W98CVR		Concealed Vertical Rod Exit Device Wood Doors			
LBRM98CVR		Concealed Vertical Less Bottom Rod Exit Device for Metal and Wood Doors			
LBRW98CVR		Concealed Vertical Less Bottom Rod Exit Device for Metal and Wood Doors			
FM98CVR	Fire Exit Hardware Rated 3 hrs	Concealed Vertical Rod Exit Device Metal Doors	36" or 48" Width 84" or 96" Height	OPTIONAL	US10B US32D
FW98CVR		Concealed Vertical Rod Exit Device Wood Doors			
LBRFM98CVR		Concealed Vertical Less Bottom Rod Exit Device for Metal and Wood Doors			
LBRFW98CVR		Concealed Vertical Less Bottom Rod Exit Device for Metal and Wood Doors			

TRIM SELECTIONS ESCUTCHEON LEVER DESIGN

MODEL #	FUNCTION
CVRESC9800	Entrance / Classroom
CVRESC9805	Storeroom
CVRESC9830	Passage
CVRESC9840	Dummy



ELECTRIFICATION

ELR – Electric Latch Retraction Available on rim, vertical rod, fire and non-fire rated devices
SIGNAL SWITCH RX and LX RX9800 (Request to Exit) and **LX9800** (Latchbolt monitoring) signal switches are available
LXRX9800 – Latchbolt monitoring and Request to Exit Combination

ALARM KIT



CYLINDER DOGGING KIT



OPTIONAL ACCESSORIES: MCVROD96, WCVROD96 - Top Rod for Narrow Stile 96" Height

INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE

- (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW
- (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core

GLS9800 & GLSCVR9800 Series

Lifetime Warranty



**NARROW STILE RIM CONCEALED VERTICAL ROD (OPTIONAL LESS BOTTOM ROD)
GRADE 1 • ANSI A.156.3 • UL LISTED FOR PANIC AND SAFETY**



MEETS
The Buy American Act

SPECIFICATIONS

For Doors.....	Glass doors with a minimum stile of 1 ¼" width, required for single or double door application
Chassis.....	Nonferrous alloy
Head Cover.....	Brass, bronze or stainless steel construction
End Cap.....	Brass, bronze or stainless steel construction
Handing.....	Rim Device Non-Handed. Concealed Vertical Rod Handed. Specify RHR or LHR
ANSI Standard....	A156.3, Grade 1
Mounting.....	Furnished standard with wood and machine screws
LBR.....	Optional Less Bottom Rod includes Fire Auxiliary Latch Assembly
Top & Bottom Bolts	Steel. Top and bottom bolt travel 7/16" (11mm). Projection adjustable up to 1" (25mm)
Rail Assembly.....	Heavy gauge stainless steel or brass
Trim.....	See Trim designs below
Electric Functions.	(ELR) Electrical Latch Retraction and RX and LX Signal Switch available
Alarm.....	Prefix "NALRM" before PART#
Dogging Feature.	Cylinder dogging available
Door Sizes.....	36" door for GLS98EO36, 48" door for GLS98EO48, GLSCVR983684 for 36" x 84", GLSCVR984884 for 48" x 84"

MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
GLS98EO36	Non-Fire Rated Panic Hardware	Rim Exit Device	24" to 36" Door Size	OPTIONAL	US32D, US10B
GLS98EO48			34" to 48" Door Size		
GLSCVR983684, LBRGLSCVR983684	Concealed Vertical Rod, Less Bottom Rod	Concealed Vertical Rod, Less Bottom Rod	36" Width 84" Height	OPTIONAL	US32D, US10B
GLSCVR984884, LBRGLSCVR984884			48" Width 84" Height		

LEVER TRIM SELECTIONS

MODEL #	FUNCTION
GLSRIM9800 (RIM)	Entrance
GLSCVR9800 (CVR)	
GLSRIM9805	Storeroom
GLSCVR9805	
GLSRIM9830	Passage
GLSCVR9830	
GLSRIM9840	Dummy (Rigid)
GLSCVR9840	



ELECTRIFICATION

ELR – Electric Latch Retraction
Available on rim and concealed vertical rod devices

SIGNAL SWITCH RX and LX
RXGLS9800 (Request to Exit) and **LXGLS9800** (Latchbolt monitoring) signal switches are available

LXRGLS9800 – Latchbolt monitoring and Request to Exit Combination

REVERSIBLE AND HANDED PULL TRIM SELECTIONS

98GLSNL	U-Pull Trim with Cylinder (Handed)
98GLSCYL-1	Cylinder Trim for Narrow Stile
98GLSUP	U-Pull Trim without Cylinder (Non-Handed)
OFSTPUL-10	Stainless Steel/Aluminum Pull Bar Trim 10" CTC
GLSRIM98EOP	Cover Plate (For Rim Exit Device Only)



OPTIONAL ACCESSORIES: MCVROD96 - Top Rod for Narrow Stile 96" Height

ALARM KIT	CYLINDER DOGGING KIT	INTERCHANGEABLE CORE
<p>EMERGENCY EXIT ONLY ALARM WILL SOUND</p> <p>DECAL Small and Large Format IC Available</p> <p>Alarm kit with micro switch for 36" and 48" width door applications.</p>	<p> Small and Large Format IC Available</p> <p>Cylinder Dogging kit for non-fire rated 36" and 48" width door applications</p>	<p> (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW</p> <p> (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core</p>

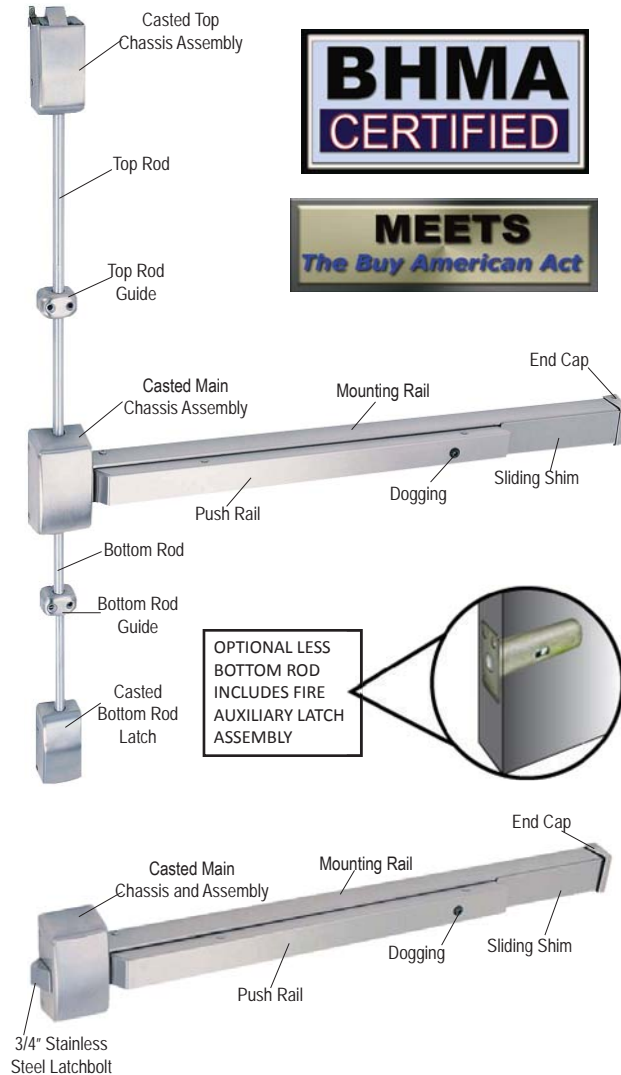
2200 & F2200 Series

Lifetime Warranty



**RIM TYPE PANIC AND FIRE EXIT DEVICES
VERTICAL ROD PANIC AND FIRE EXIT DEVICES (OPTIONAL LESS BOTTOM ROD)
GRADE 1 • ANSI A.156.3 • UL LISTED UBC 7-2-1997 • 3 HOUR RATING • BHMA CERTIFIED**










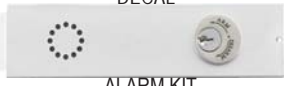














- ANSI A.156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs
- Conforms and meets ADA regulations
- UL Listed for panic and UL10C, UBC 7-2-1997 codes
- UL Listed for Fire Exit Hardware, 3-hour rating
- (A) Fire Label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions
- Uncompromising security and safety in single and double fire exit doors
- Lever trim is grade 1 construction and rose covers 161 cutout



SPECIFICATIONS

- For Doors..... 1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width required for double door application on rim device and 3 1/2" for vertical rod
- Chassis..... Nonferrous alloy (Panic Grade), steel (Fire Grade)
- Head Cover..... Nonferrous alloy. Covers stock hollow metal doors with 161 cutout
- Mounting..... Furnished standard with wood and machine screws. Thrubolts are standard packaging on fire rated devices
- Alarm..... Available. Prefix "ALRM" before part #
- End Cap..... Steel Construction
- Hand..... Non-handed on Rim only. Handed Vertical Rod, field reversible. Order LHR, RHR for convenience. 2 3/4" backset. Optional 2 3/8" with additional strike
- Latchbolt, Spring... Stainless steel, 3/4" throw
- ANSI Standard..... A156.3, Grade 1
- Rail Assembly..... Heavy gauge steel, painted
- LBR..... Optional Less Bottom Rod includes Fire Auxiliary Latch Assembly
- Dogging Feature.... Allen-type key furnished standard on non-fire labeled devices
- UL & ULC Listed.... 2260 Series panic. F2200 Series for fire exit hardware for all types 4' x 8' single and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
- Finish..... Aluminum (alum), dark bronze duranodic (duro), gold
- Door Size..... 2260V3684 and F2260V3684 for 36" x 84" doors
2280V4896 and F2280V4896 for 48" x 96" doors
2290V3696 and F2290V3696 for 36" x 96" doors
2250V36120 for 36" x 120" doors
2240V48120 for 48" x 120" doors

MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
2200	Panic Hardware	Rim exit device	36" or 48" Width 84", 96" or 120" Height	OPTIONAL	Aluminum, Gold, Dark Bronze
2200V		Surface vertical rod exit device			
LBR2200		Surface vertical rod less bottom rod			
F2200	Fire Exit Hardware Rated 3 hrs	Rim exit device	36" or 48" Width 84" or 96" Height		
F2200V		Surface vertical rod exit device			
LBRF2200		Surface vertical rod less bottom rod			

LEVER TRIM SELECTIONS	PULL DESIGNS	ESCUTCHEON LEVER DESIGNS
 <p>Functions:  Entrance / Classroom (ENT00L), Storeroom (STR05L), Passage (PAS30L) and Dummy (DUM40L) When ordering "AT" and "SPA" designs, prefix design name before part #. EX: ENT00L in "AT" is ATENT00L</p>	 <p> 2200NL  2200DTP 2200DTP 2200EOP Night Latch Pull Night Latch Pull Only Cover Plate</p>	 <p>RIGID LEVER MECHANISM</p> <p>NON-HANDED</p> <p>Functions:  Entrance / Classroom (NESEC2200), Storeroom (NESEC2205), Passage (NESEC2230) and Dummy (NESEC2240)</p>
For 2 1/4" thick door use TAIL1 KIT	For 2 1/4" thick door use TAIL7 KIT	For 2 1/4" thick door use TAIL3 KIT
KNOB TRIM	THUMBPIECE TRIMS	ALARM
 <p>8000K ENTRANCE</p>	 <p>THP00/05/30 THP40</p>	<p>EMERGENCY EXIT ONLY ALARM WILL SOUND</p> <p>DECAL</p>  <p>ALARM KIT</p>
<p>CYLINDER DOGGING KIT</p>  <p> Small and Large Format IC available 36CD2200 for 36" and 48CD2200 for 48"</p>	<p>Functions:  Entrance / Classroom (THP00), Storeroom (THP05), Passage (THP30) and Dummy (THP40)</p>	<p> Small and Large Format IC available RIM TYPE EXIT DEVICES ALRM2200EO36, ALRM2200EO48, FALRM22EO36 and FALRM22EO48 VERTICAL ROD EXIT DEVICES Prefix "ALRM" before PART# KITS: 36ALARM22, 48ALARM22, V36ALARM22, V48ALARM22</p>
INTERCHANGEABLE CORE FOR ALL KEYED FUNCTIONS ABOVE		
<p> (IC) INTERCHANGEABLE CORE Interchangeable Core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW  (ICSC) INTERCHANGEABLE CORE Indicates function available with Schlage Full Size Format Interchangeable Core</p>		
ELECTRIFIED TRIMS AND ACCESSORIES		
POWER SUPPLIES	ELECTRIFIED LEVER TRIM	
<p>CRPS1N For single latch retracting exit device</p>   <p>CRPS2 For two latch retracting exit devices</p>   <p>CRPS2BB For two latch retracting exit devices with audible power failure sensor</p>   <p>CRSW3 Regulated switching power supply</p> 	<p>RIGID LEVER MECHANISM</p> <p> Small and Large Format IC available</p> <p>FS12NESEC22 - Fail Safe Option 12V AC/DC FS24NESEC22 - Fail Safe Option 24V AC/DC FSE12NESEC22 - Fail Secure Option 12V AC/DC FSE24NESEC22 - Fail Secure Option 24V AC/DC</p>  <p>ELR-Electric Latch Retraction Available on rim, vertical rod, fire and non-fire rated devices</p> <p>SIGNAL SWITCH RX and LX RX2200 (Request to Exit) and LX2200 (Latchbolt monitoring signal) switches are available</p> <p>LXRX2200 - Latchbolt monitoring and Request to Exit Combination</p>	

4400 Series

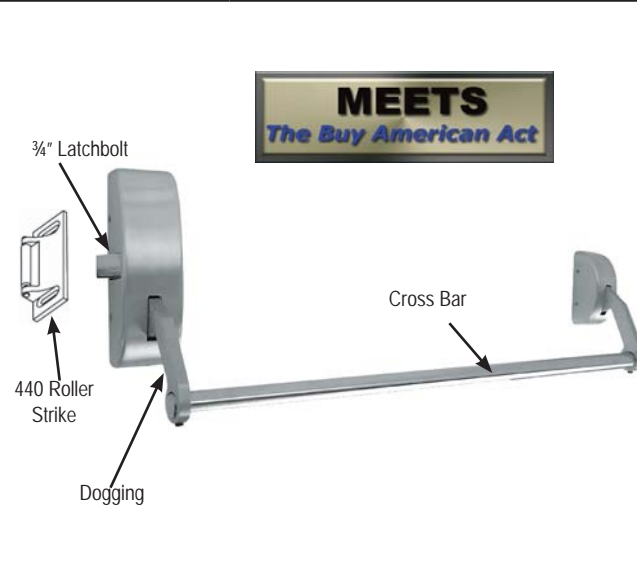
Lifetime Warranty



RIM TYPE EXIT DEVICE GRADE 2 • ANSI A.156.3 • UL LISTED FOR PANIC AND SAFETY

- Grade 2, standard duty rim type exit device
- UL Listed for panic and safety

- ANSI A.156.3, Grade 2
- Conforms and meets ADA regulations



SPECIFICATIONS











For Doors.....	1 3/4" thick standard. 4 1/2" minimum stile width required for single or double door application using standard 440 strike and pull lever, thumbpiece and escutcheon trims
Chassis.....	Non-ferrous alloy. (Panic Grade)
Head Cover.....	Non-ferrous alloy. Covers stock hollow metal doors with 161 cut out
Mounting.....	Furnished with wood and machine screws. Available thru bolts on request
Hand.....	Handed (specify handing), center hub for 2 3/4" or 2 5/8" backset
Latchbolt.....	Stainless steel 3/4" throw
Spring.....	Stainless steel throughout
ANSI Standard.....	A156.3, Grade 2
Cross Bar.....	1" Diameter Aluminum, 0.062" thick for 36" or 48" wide doors
Strike.....	Roller type
Dogging Feature.....	Allen-type key furnished standard
Mullion.....	Available
UL and ULC Listed.....	4400 Series for panic
Finish.....	US26D Satin Chrome, Dark Bonze Duranodic (DURO)
Door Size.....	4400EO36 for 36" doors 4420EO48 for 48" doors

MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
4400EO36	Panic Hardware	Rim Exit Device	36" or 48" Width	N/A	US26D, Duranodic
4420EO48					

TRIM SELECTIONS

ESCUTCHEON LEVER TRIM DESIGN

THUMBPIECE TRIM DESIGN

 <p>NON-HANDED</p> <p>RIGID LEVER MECHANISM</p>	<p>CONSTRUCTION:</p> <ul style="list-style-type: none"> • Rigid, non-clutch mechanism • Thru bolted design • Non-Handed design. Easily field-reversible • Hardened steel heavy duty tailpiece 		<p>THUMBPIECE DIMENSIONS:</p> <p>3 1/2" W x 16" L x 1 3/4" D</p>														
	<table border="1"> <thead> <tr> <th>FUNCTION</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>  ESC4400 ENTRANCE / CLASSROOM </td> <td>Rigid Entrance, key locks or unlocks escutcheon trim ANSI FUNCTION (63)</td> </tr> <tr> <td>ESC4430 PASSAGE</td> <td>Trim always operable and free ANSI FUNCTION (62)</td> </tr> <tr> <td>ESC4440 DUMMY</td> <td>Dummy Escutcheon Trim ANSI FUNCTION (10)</td> </tr> </tbody> </table>		FUNCTION	DESCRIPTION	 ESC4400 ENTRANCE / CLASSROOM	Rigid Entrance, key locks or unlocks escutcheon trim ANSI FUNCTION (63)	ESC4430 PASSAGE	Trim always operable and free ANSI FUNCTION (62)	ESC4440 DUMMY	Dummy Escutcheon Trim ANSI FUNCTION (10)	<table border="1"> <thead> <tr> <th>FUNCTION</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>  THP4400 ENTRANCE / CLASSROOM </td> <td>Key locks or unlocks thumbpiece. (Operates as classroom function) ANSI FUNCTION (63)</td> </tr> <tr> <td>THP4430 PASSAGE</td> <td>Trim always operable and free ANSI FUNCTION (62)</td> </tr> </tbody> </table>	FUNCTION	DESCRIPTION	 THP4400 ENTRANCE / CLASSROOM	Key locks or unlocks thumbpiece. (Operates as classroom function) ANSI FUNCTION (63)	THP4430 PASSAGE	Trim always operable and free ANSI FUNCTION (62)
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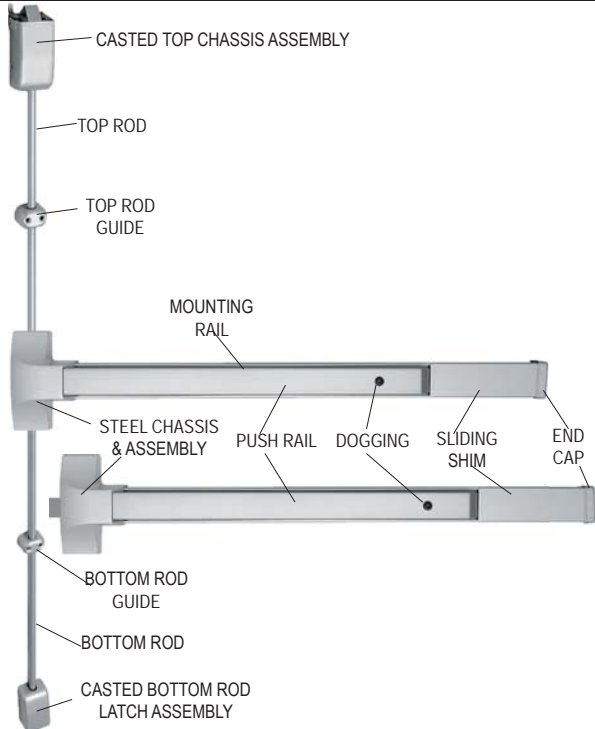
5000 & F5000 Series

Lifetime Warranty



**RIM TYPE PANIC AND FIRE EXIT DEVICES
VERTICAL ROD PANIC AND FIRE EXIT DEVICES
GRADE 2 • ANSI A.156.3 • UL LISTED UBC 7-2-1997 • 3 HOUR RATING**

- Grade 2 ANSI A156.3, heavy duty exit device in surface vertical rod and rim designs
- UL listed for Panic and UL10C, UBC 7-2-1997 codes
- UL listed for Fire Exit Hardware, 3 hours
- Conforms and Meets ADA Regulations
- Chassis mounted unit construction
- Available in standard functions. Lever and knob trims are Grade 2 construction with optional clutch free-wheeling mechanism
- (A) Fire Label rating on pairs of doors up to 6'0" x 7'0" swinging in same or opposite directions and 3'0" x 7'0" single door
- Rose covers 161 cutout



SPECIFICATIONS

For Doors..... 1 3/4" thick standard. 3 3/4" minimum stile width required for single door application. 3 1/2" minimum stile width required for double door application. Lever and knob trims available

Chassis..... Nonferrous alloy (Panic Grade), steel (Fire Grade)

Head Cover..... Covers stock hollow metal doors with 161 cutout

Mounting..... Furnished standard with wood and machine screws. Thrubolts are standard packaging on fire rated devices

End Cap..... Steel Construction

Hand..... Non-Handed. 2 3/4" backset

Latchbolt, Spring.... Stainless steel, 3/4" throw

ANSI Standard..... A156.3, Grade 2

Rail Assembly..... Heavy gauge steel, painted

Strike..... Packed with standard 240 strike

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

UL and ULC Listed... 5000V Series panic. F5000V Series for fire exit hardware for all types 3' x 7' single doors and 6' x 7' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes

Finish..... Aluminum (alum), US32D Stainless Steel

Door Size..... 5000V3684 and F5000V3684 for 36" x 84" doors
5000EO36 and F5000EO36 for 30" to 36" doors
5000EO48 and F5000EO48 for 31" to 48" doors

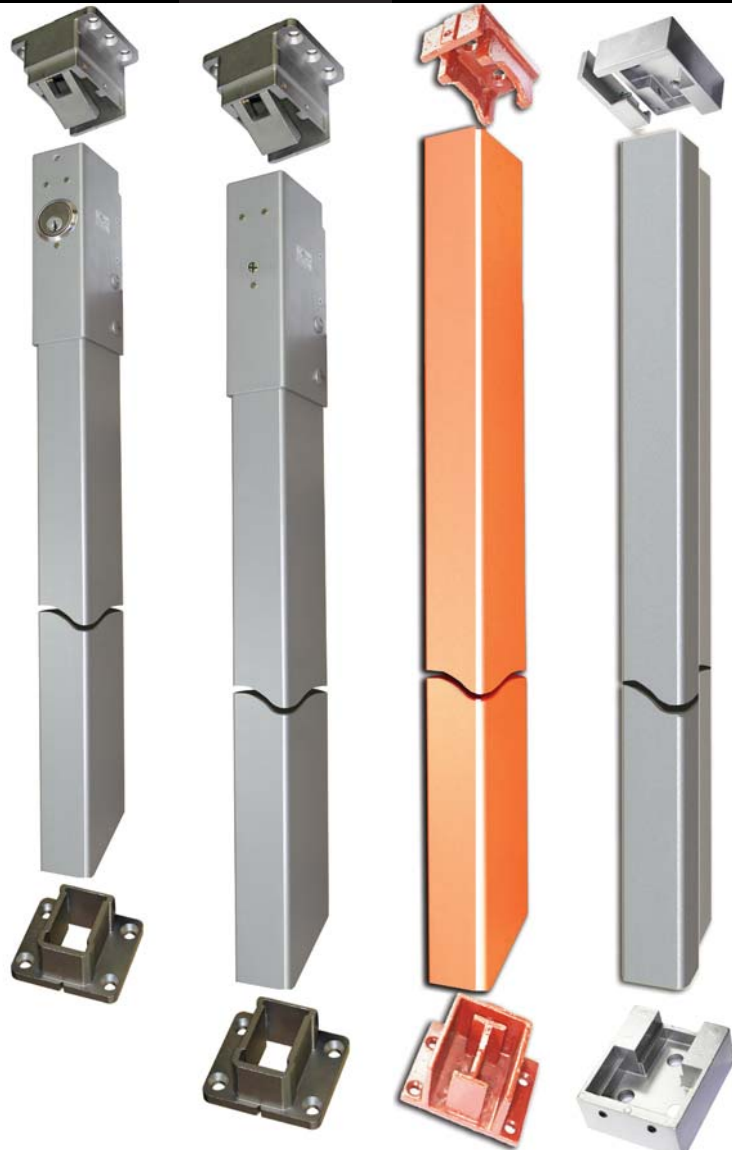
MODEL #	TYPE	FUNCTION	DOOR WIDTH / HEIGHT	ALARM	FINISH
5000	Non-Fire Rated Panic Hardware	Rim exit device	36" or 48" Width 84" Height	N/A	Aluminum, Stainless Steel
5000V		Surface vertical rod exit device			
F5000	Fire Exit Hardware Rated 3 hrs	Rim exit device			
F5000V		Surface vertical rod exit device			

TRIM SELECTIONS

LEVER DESIGN		KNOB DESIGN		PULL DESIGN		
	Non handed. Grade 2 (Optional clutch). Tubular body hardened steel heavy duty tailpiece					
FUNCTION	DESCRIPTION	FUNCTION	DESCRIPTION	FUNCTION	DESCRIPTION	
8000/L ENTRANCE	Rigid. Key locks and unlocks lever. Operates as classroom function. ANSI FUNCTION 08	8000K ENTRANCE	Key locks and unlocks knob. Operates as classroom function. ANSI FUNCTION 08	5000NL NIGHT LATCH	Outside by Pull and Key. Key retracts latchbolt. ANSI FUNCTION 03	
CLU5000L ENTRANCE	Clutch free-wheeling. Key locks and unlocks lever. Operates as classroom function. ANSI FUNCTION 08			5000DTP PULL ONLY	Outside by pull only. Pull when dogged. ANSI FUNCTION 02	
8000/S STOREROOM	Key retracts latchbolt, otherwise always locked. ANSI FUNCTION 04			5000EOP COVER PLATE	Outside by plate only. Covers 161 cutout. ANSI FUNCTION 10	
8000/PAS PASSAGE	Lever always operable and free. ANSI FUNCTION 15					
8000/DUM DUMMY	Dummy trim. One sided. ANSI FUNCTION 10					

REMOVABLE AND LOCKABLE MULLIONS

MODEL #	DESCRIPTION
NON-FIRE RATED APPLICATIONS	
418	Removable mullion includes top and bottom retainer supplied as a stock 96" for non-fire rated applications.
FIRE-RATED APPLICATIONS	
424	Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings.
UL424	UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings.
LCKUL424	Lockable. UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Schlage C keyway.
ICLCKUL424	Lockable. UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Interchangeable core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW.
ICSLCKUL424	Lockable. UL - Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Function available with Full size format, Schlage Interchangeable Core.



LCKUL424
ICLCKUL424
ICSLCKUL424

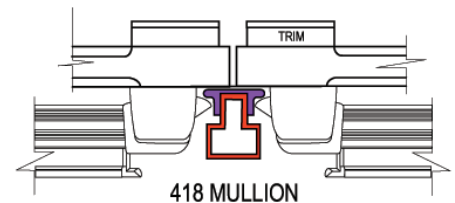
UL424

424

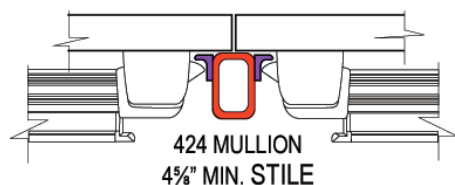
418

DOUBLE DOOR

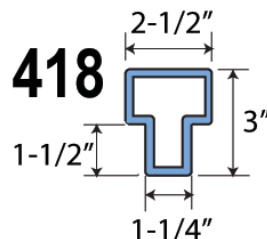
4 1/2" MIN. STILE



418 MULLION



424 MULLION
4 5/8" MIN. STILE



FULL MORTISE BALL BEARING HINGES							
STANDARD WEIGHT				HEAVY WEIGHT			
		Standard weight doors receiving average frequency service (standard weight hinges) and high frequency service (heavy weight hinges). Designed to have both leaves mortised into the door and the jamb. The hinge sits flush with the surface of the door and frame.					
2-Ball Bearing				4-Ball Bearing			
ITEM #	SIZE	Rad.	Ga.	ITEM #	SIZE	Rad.	Ga.
BB-55	5" x 5"	SC	.146	BB-5500	5" x 5"	SC	.190
BB-545	5" x 4 1/2"			BB-5210	5" x 4 1/2"		
BB-54	5" x 4"			BB-5254	5" x 4"		
BB-31	4 1/2" x 4 1/2"	.134		BB-5200	4 1/2" x 4 1/2"		.180
BB-454	4 1/2" x 4"			BB-52454	4 1/2" x 4"		
RCBB454		1/8"		Other sizes available up to 8" x 8" on request "SC" – square corner			
BB SC-56		SC					
BB RC-45	4" x 4"	1/4"	.130				
BB RC-5844		3/8"					
BB SC-77	3 1/2" x 3 1/2"	SC					
BB RC-5835	3 1/2" x 3 1/2"	3/8"	.123				
BBSC-33	3" x 3"	SC					

FULL MORTISE PLAIN BEARING HINGES							
SQUARE CORNER			ROUND CORNER				
		For standard weight doors receiving low frequency service. Designed to have both leaves mortised into the door and the jamb. The hinge sits flush with the surface of the door and frame when installed, leaving a smooth finished appearance.					
Square Corner			Round Corner				
ITEM #	SIZE	Ga.	ITEM #	SIZE	Rad.	Ga.	
TBH-55	5" x 5"	.146	TBH RC-44	4" x 4"	1/4"	.130	
TBH-30	4 1/2" x 4 1/2"	.134	BBRC 5844		3/8"		
TBH-454	4 1/2" x 4"	.134	TBHRC-5844		5/8"		
TBH SC-55	4" x 4"	.130	TBHRC-66	3 1/2" x 3 1/2"	1/4"	.123	
TBH SC-77	3 1/2" x 3 1/2"	.123	Other sizes available up to 8" x 8" on request				
TBH SC-33	3" x 3"	.123					

ELECTRIFIED HINGES							
STANDARD WEIGHT				HEAVY WEIGHT			
		Electrified Hinges are intermediate connectors which pass a constant flow of current between the power source and the actuated device in the door. Available in 4, 6 & 8 wire configuration. 12V or 24V DC. Standard and heavy weight.					
2-Ball Bearing				4-Ball Bearing			
ITEM #	SIZE	WIRE	Ga.	ITEM #	SIZE	WIRE	Ga.
ELE4BB31, ELELR4BB31	4 1/2" x 4 1/2"	4	.134	ELE4BB5200, ELELR4BB5200	4 1/2" x 4 1/2"	4	.180
ELE6BB31, ELELR6BB31	4 1/2" x 4 1/2"	6		ELELR6BB5200	4 1/2" x 4 1/2"	6	
ELE8BB31, ELELR8BB31	4 1/2" x 4 1/2"	8		ELELR8BB5200	4 1/2" x 4 1/2"	8	
(ELR) Energy Transfer Hinges for Electrified Panic Bar				ELE4BB5210	5" x 4 1/2"	4	.190
Consult factory for electrification of hinges for other sizes.							

DECORATIVE TIPS FOR COMMERCIAL HINGES					
STEEPLE TIP			BALL TIP		
	ITEM #	SIZE		ITEM #	SIZE
	STP33KIT	3" x 3"		BALL33KIT	3" x 3"
	STP35KIT	3 1/2" x 3 1/2"		BALL35KIT	3 1/2" x 3 1/2"
	STP44KIT	4" x 4"		BALL44KIT	4" x 4"
	STP45KIT	4 1/2" x 4 1/2"		BALL45KIT	4 1/2" x 4 1/2"
	STP55KIT	5" x 5"		BALL55KIT	5" x 5"



SPRING HINGES						
COMMERCIAL			RESIDENTIAL			
		Single acting reverse action. Full mortise. Spring butt hinges are used anywhere you need a door to self-close.				
Square Corner			Round Corner			
ITEM #	SIZE	Ga.	ITEM #	SIZE	Rad.	Ga.
NEWSH-140	4 1/2" x 4 1/2"	.134	NEWSH-44R	4" x 4"	1/4"	.110
NEWSH-454	4 1/2" x 4"		NEWSH-4458R (Non-Template)		5/8"	
NEWSH-35	3 1/2" x 3 1/2"		.110			
Commercial Gauge (.134) thickness available on 4" x 4". Consult factory.			NEWSH-3558R	3 1/2" x 3 1/2"	5/8"	
			NEWSH-35R		1/4"	

		Single acting reverse action. Full mortise. Spring butt hinges are used anywhere you need a door to self-close.				
Castlegate Combination Square-Round Corner			Benchmark Round Corner			
ITEM #	SIZE	Ga.	ITEM #	SIZE	Ga.	
CASSH4458SQLH (Left Hand)	4" x 4"	.110	NBENSH4458R	4" x 4"	.110	
CASSH4458SORH (Right Hand)						



CONCEALED BALL BEARING HINGES						
STANDARD WEIGHT			HEAVY WEIGHT			
		For medium frequency (standard) and high frequency (heavy) use. Concealed bearing for maintenance free, long life application.				
Standard Weight			Heavy Weight			
ITEM #	SIZE	Ga.	ITEM #	SIZE	Ga.	
BB-2255	5" x 5"	.145	BB-7755	5" x 5"	.190	
BB-2200	4 1/2" x 4 1/2"	.134	BB-3300	4 1/2" x 4 1/2"		
BB22454	4 1/2" x 4"		BB-1000	4 1/2" x 4"		

Other sizes are available upon request. Refer to catalog for stock availability. Hinges are available in Steel, Stainless Steel and Solid Brass base. Refer to catalog for stock material. Hinges are available in a variety of finishes: US3, US4, US5, US10, US10A, US10B, US15, US15A, US26, US26D, US32 and US32D. Refer to catalog for stock finishes.



FULL MORTISE WIDE THROW HINGES

STANDARD WEIGHT			HEAVY WEIGHT		
		Full mortise. The wide throw hinge sets the pivot point out away from the door allowing the door to open 180 degrees. Plain bearing is recommended for average frequency doors while 2-ball bearing for high frequency usage.			
					
Plain Bearing			2-Ball Bearing		
ITEM #	SIZE	Ga.	ITEM #	SIZE	Ga.
Available upon request	3 1/2" or 4 1/2" x 5" to 5" x 8"	0.119 to 0.145	WTHBB-456	4 1/2" x 6"	.146
			Available upon request	3 1/2" or 4 1/2" x 5" to 5" x 8"	0.119 to 0.145


HOSPITAL TIP HINGES

STANDARD WEIGHT			HEAVY WEIGHT		
		Rounded tips at barrel's end to help prevent hanging objects on the hinge. The hinge pin is non-removable. Hospital tips are used in medical or security areas and mental institutions to prevent tampering and / or injury. 2-ball bearing is recommended for average frequency doors while 4-ball bearing for high frequency usage.			
					
2-Ball Bearing			4-Ball Bearing		
ITEM #	SIZE	Ga.	ITEM #	SIZE	Ga.
HOSBB31	4 1/2" x 4 1/2"	.134	HOSBB5200	4 1/2" x 4 1/2"	.180

SWING CLEAR BALL BEARING HINGES

STANDARD WEIGHT				HEAVY WEIGHT			
		Use in hospitals or other institutional type buildings. Swings door completely clear of opening when door is opened 95°. Swing clear hinges are designed so that when the door is opened to 90 degrees, the door itself is completely out of the opening. 2-ball bearing is recommended for average frequency doors while 4-ball bearing for high frequency usage.					
							
2-Ball Bearing				4-Ball Bearing			
ITEM #	SIZE	RADIUS	Ga.	ITEM #	SIZE	RADIUS	Ga.
BB350	3 1/2"	-	.123	BB800	4 1/2"	-	.180
BB35058	3 1/2"	5/8"	.123	BB550	5"	-	.190
BB400	4"	-	.130				
BB40058	4"	5/8"	.130				
BB600	4 1/2"	-	.134				
BB500	5"	-	.140				


FULL SURFACE BALL BEARING HINGES

STANDARD WEIGHT 2-BALL BEARING			
		Both leaves are applied to the surface, one to the door and the other to the frame. Use with hollow metal or wood doors. Full surface Standard Weight, 5 knuckle 2-ball bearing hinge with Non- Removable Pin (NRP).	
ITEM #	SIZE	Ga.	
FSHBB 45 NRP (Non-Removable Pin)	4 1/2"	.134	







HALF SURFACE BALL BEARING HINGES

STANDARD WEIGHT 2-BALL BEARING		
		One leaf is mortised to the frame and the other is surface applied to the face of the door. Use on hollow metal or wood composite doors with hollow metal frames. Two-ball bearing hinge with Non-Removable Pin (NRP).
ITEM #	SIZE	Ga.
HSBB 4900 NRP (Non-Removable Pin)	4 1/2"	.134

HALF MORTISE BALL BEARING HINGES


STANDARD WEIGHT 2-BALL BEARING		
		Half mortise hinges are hinges that have one leaf mounted to the visible front of the frame and the other leaf mounted in a hinge prep, or mortise, on the edge of the door. Two-ball bearing hinge with Non-Removable Pin (NRP).
ITEM #	SIZE	Ga.
HMBB 4100 NRP (Non-Removable Pin)	4 1/2"	.134

RESIDENTIAL HINGES


STANDARD WEIGHT				HEAVY WEIGHT			
		For use on internal or external doors with average frequency (plain bearing) to high frequency (ball bearing) use. Available Decorative Tips add elegance and class to any application. 4" x 4" Hinges are Non-template unless specified.					
							
Plain Bearing				2-Ball Bearing			
ITEM #	SIZE	RADIUS	Ga.	ITEM #	SIZE	RADIUS	Ga.
RH-60	4" x 4"	1/4"	.097	BBRH60	4" x 4"	1/4"	.097
RH-60B ²				5/8"			
TBHRC 33 ¹ (Template)				3 1/2" x 3 1/2"	1/4"		
RH-40					5/8"		
RH-40B ²				DECORATIVE TIPS FOR RESIDENTIAL HINGES			
RH-91		SC		ITEM #		SIZE	
RH-35	3 1/2" x 3 1/2"	5/8"	.085	BALL TIP			
RH-35B ²					RESBLTP35KIT	3 1/2" x 3 1/2"	
RH-61					RESBLTP44KIT	4" x 4"	
RH-61B ²		1/4"		STEEPLE TIP			
TBHRC 45 ¹ (Template)					RESSTP35KIT	3 1/2" x 3 1/2"	
RH-90		SC			RESSTP44KIT	4" x 4"	
RH-33	3" x 3"						

¹ for hollow metal frames & wood doors (Packed with wood and machine screws) ² Bulk Packed. 6 Knuckles available upon request, suffix "6" after part numbers.




SOLID BRASS PARLIAMENT HINGES

		Parliament hinges for shutters, windows, or doors with clearance from a wall. Reversible, stainless steel removable pins with ball tips.
ITEM #	SIZE	Ga.
PARH-3A	3" x 2 1/4"	.093
PARH-4B	4" x 2 1/2"	
PARH-458C	4 5/8" x 2 1/2"	


CASTLEGATE PLAIN BEARING HINGES

COMBINATION SQUARE-ROUND CORNER		
		For use on internal or external doors with average frequency (plain bearing) use.
ITEM #	SIZE	Ga.
CASRH44RH (Right Hand)	4" x 4"	.098
CASRH44LH (Left Hand)	4" x 4"	.098

EXTRUDED SOLID BRASS HINGES

PLAIN BEARING			2-BALL BEARING			
 <p>These hinges are sturdy and well crafted. Plain bearing is recommended for average frequency doors while 2-ball bearing for high frequency usage. Making it more elegant are the choices of its Decorative Tips, adding more touch on the desired trims.</p>						
Plain Bearing			2-Ball Bearing			
ITEM #	SIZE	Ga.	ITEM #	SIZE	FINISH	Ga.
SBH-45	4 1/2" x 4 1/2"	.134	LIFSBBH45	4 1/2" x 4 1/2"	Life Time	.134
SBH-44	4" x 4"	.130	LIFSBBH44	4" x 4"		.130
SBH-35	3 1/2" x 3 1/2"	.123	LIFSBBH35	3 1/2" x 3 1/2"		.123
DECORATIVE TIPS FOR EXTRUDED BRASS HINGES (ADD ELEGANCE AND CLASS TO ANY APPLICATION)						
 <p>STEEPLE TIP "ST" ACORN TIP "AC" BALL TIP "BL" URN TIP "UR"</p>						
			SBBH-45	4 1/2" x 4 1/2"	Standard	.134
			SBBH-44	4" x 4"		.130
			SBBH-35	3 1/2" x 3 1/2"		.123

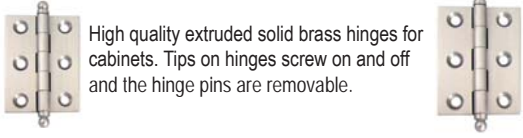
REINFORCING PIVOT HINGES



Full surface reinforcing hinges can be added to doors troubled by sagging. For medium and heavy weight doors subject to high frequency and abuse. Provides increased reinforcement at the top corner of the door and jamb where stress can occur. Reversible.

ITEM #	SIZE	Ga.
RPH45	4 1/2"	.187
RPH45SHIM	1/4 Shim Plate for RPH45	

SOLID BRASS CABINET HINGES



High quality extruded solid brass hinges for cabinets. Tips on hinges screw on and off and the hinge pins are removable.

ITEM #	SIZE	Ga.
CABH-2015	2" x 1 1/2"	.093
CABH-2517	2 1/2" x 1.700"	

Cal-Royal **continuous geared hinges** are designed to provide superior performance you can rely on in high-traffic areas because instead of using a pin as in conventional hinges, we use a geared rotating joint. Weight is distributed evenly along the full length of the frame, thus minimizing wear on the hinge.

Cal-Royal continuous geared hinges are the best choice for new construction or retrofit applications. Available in Clear and Dark Bronze finishes.



FULL MORTISE CONCEALED LEAF, HEAVY DUTY CONTINUOUS HINGE

ITEM #	SIZES	
CRHD78 1120	83" & 95"	Full-Mortise units are designed mainly for new door applications, and are applied to conceal both leaves. Heavy duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450 lbs. Applicable to any door material. Optional UL-listed.
CRHD78 2240		
CRHD78 1110		



FULL SURFACE, HEAVY DUTY CONTINUOUS HINGE

ITEM #	SIZES	
CRHD78 2100	83" & 95"	Full-Surface Center Pivot units easily replace butt hinges since no door or frame adjustments are necessary and are more versatile with restricted frame faces. It is specifically designed for retrofit work and are applied to the surfaces of the door and frame. Heavy duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450 lbs. Applicable to any door material. Optional UL-listed.
CRHD78 1570		
CRHD78 0570		

HALF SURFACE, HEAVY DUTY CONTINUOUS HINGE

ITEM #	SIZES	
CRHD78 0530	83" & 95"	Frame leaf concealed between the rabbet of the frame and the edge of the door. The door leaf is mounted to the face of the door with six bolts or screws. For use with flush aluminum, glass rail hollow metal or wood doors. Heavy duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450 lbs. Applicable to any door material. Optional UL-listed.

For Fire Rated Hinges, prefix "UL" before part #.

CONTINUOUS HINGE MODEL CROSS REFERENCE

CAL-ROYAL	ROTON	PEMKO	MARKAR	MCKINNEY	ZERO	STANLEY	ABH	SELECT
CRHD78 1120	780-112HD	FMSLFHD	FM2000	MCK12HD	910DB	661HD	A110HD	SL11HD
CRHD78 2240	780-224HD	FMHD	FM2011	MCK25HD	914DB	662HD	A240HD	SL24HD
CRHD78 1570	780-157HD	FSCPHD		MCK58HD	935DB	664HD	A570HD	SL57HD
CRHD78 2100	780-210HD	FSHD	FM2009	MCK22HD	930DB	665HD	A210HD	SL21HD
CRHD78 1110	780-111HD	FMSLIHD		MCK14HD			A111HD	SL18HD
CRHD78 0530	780-053HD				925DB		A530HD	SL53HD
CRHD78 0570			FS2002				A571HD	SL60HD

MDHR-1 and MDHS-2 MAGNETIC DOOR HOLDER



- Tri-voltage (can be wired 12V DC, 24V AC/DC or 120V AC)
- Can be used on fire or smoke barrier doors held open until released by a remote switching device
- Used alternatively as hold open system
- Thrubolted armature for security
- 30-45 pound holding power
- Underwriters US and Canada Listed
- ANSI/BHMA 156.14



CR550 SERIES OVERHEAD DOOR HOLDERS AND STOPS

- Limits door swing
- Non-Handed / Reversible
- Built-in cushioned stop
- Available stop only or stop/hold
- Automatic hold-open and release by push and pull on door
- Hold-open can be disengaged to act as stop only
- Heavy shock absorber spring provides compression before dead stop
- Screw packet included to allow for installation in wood or metal door and frame
- Maximum opening 110°, minimum door thickness 1 3/8"
- Available in architectural finishes
- UL Listed as STOP Function

Cal-Royal CR550 Series holders and stops are designed to give dependable surface-mounted overhead door control for medium to light duty applications. It comes in a wide assortment of architectural finishes to match any design. The CR550 series holders and stops can be installed in almost all types of doors and frames including doors with conventional butt hinges, offset pivots, continuous hinges, swing clear hinges and other specialty hinges. They can be mounted to accommodate 85° - 110° door opening. Each door holder and stop models come in four different sizes.

Finish:
Available in architectural finishes

UL Listed for STOP only function



Material:

Channel is made of steel or stainless steel 3/4" deep, 3/4" wide and 0.050" thick; arm is made of steel or stainless steel 3/4" wide, 3/16" thick; standard jamb bracket is made of steel or stainless steel 3/4" wide, 2 7/8" long, 3/16" thick.

DORCO-1 DOOR COORDINATOR FOR FIRE LABELED DOORS



SPECIFICATION:

Non-handed, automatic coordinating device for sequential closing of paired doors with or without astragal. For use with frame openings 60", 72" or 84". Specify width when ordering. Conforms to ANSI/BHMA A156.3, Type 21A.

- **MATERIAL:** All metal construction
- **FINISH:** Black prime coat, Aluminum
- **PACKAGING:** Packed with 18 3/8" filler piece for up to 72" door width.
- **FB3258** filler bar must be ordered for 84" door width opening



Carry bar for DORCO-1 coordinator. For use on pair of doors with astragal.

- **SIZE:** 1 3/4" x 2 1/4" plate
- **FINISH:** Black prime coat



Mounting brackets for DORCO-1 coordinator

- **SIZE:** 4 3/4" jamb depth, 3/8" stop height
- **FINISH:** Black prime coat



Mounting brackets for DORCO-1 coordinator

- **SIZE:** 4 1/4" jamb depth, 3/8" stop height
- **FINISH:** Black prime coat
- For stop width 2 1/4" and over

CONSTANT LATCHING AND SELF LATCHING BHMA 4.4, TYPE 25, ANSI 156.3



<p>AUTOFLM1 METAL DOOR AUTOMATIC FLUSH BOLT</p>	<p>AUXAUTOFLM1 METAL DOOR AUTOMATIC FLUSH BOLT W/ AUXILIARY FIRE LATCH</p>	<p>AUTOFLW22 WOOD DOOR AUTOMATIC FLUSH BOLT</p>	<p>AUXAUTOFLW22 WOOD DOOR AUTOMATIC FLUSH BOLT W/ AUXILIARY FIRE LATCH</p>
<p>TOP BOLT</p> <p>BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>AUXILIARY FIRE LATCH BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>AUXILIARY FIRE LATCH BOTTOM BOLT</p>
<p>SLAUTOFLM3 METAL DOOR AUTO & SELF LATCHING COMBINATION FLUSH BOLT</p>	<p>SLAUTOFLW4 WOOD DOOR AUTO & SELF LATCHING COMBINATION FLUSH BOLT</p>	<p>AUXSLAFLM3 METAL DOOR AUTO & SELF LATCHING COMBINATION FLUSH BOLT W/ AUXILIARY FIRE LATCH</p>	<p>AUXSLAFLW4 WOOD DOOR AUTO & SELF LATCHING COMBINATION FLUSH BOLT W/ AUXILIARY FIRE LATCH</p>
<p>TOP BOLT</p> <p>BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>AUXILIARY FIRE LATCH BOTTOM BOLT</p>	<p>TOP BOLT</p> <p>AUXILIARY FIRE LATCH BOTTOM BOLT</p>

FRGCO65, FRGCO85 BHMA 4.1.1 TYPE 25, ANSI 156.3

NON-HANDED REVERSIBLE

FRGCO85 and FRGCO65 coordinators are made for use on pairs of doors with or without an astragal. Roller arm (FRGCO65—7" projection), (FRGCO85 - 9" projection) stops active door from closing before the inactive door.

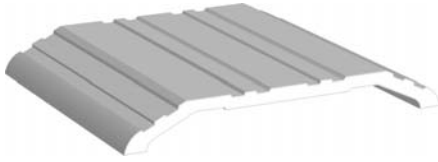
Gravity action arm and door bracket are adjustable on the job for ease of installation. It features a nylon roller to enable the inactive door to easily operate the coordinating device.

The solid brass device is field reversible and supplied with all necessary fasteners and installation instructions. The base material are made of forged brass and are available in architectural finishes.

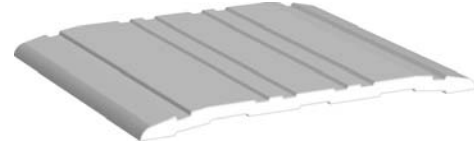
CBO-1 Carry Bar is used on situations when the inactive door can be opened first.



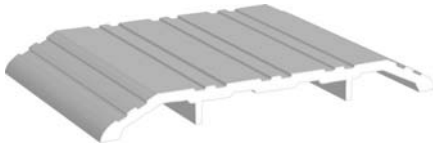
COMMERCIAL SADDLE THRESHOLDS



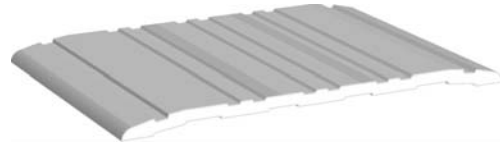
CR2704
1/2" H x 4" W



CR3704
1/4" H x 4" W



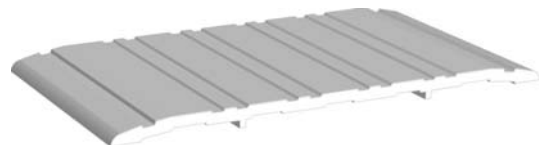
CR2715
1/2" H x 5" W



CR3715
1/4" H x 5" W



CR27105
1/2" H x 5" W



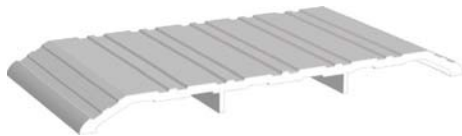
CR3726
1/4" H x 6" W



CR2726
1/2" H x 6" W



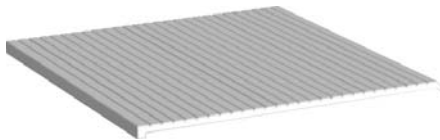
CR3767
1/4" H x 7" W



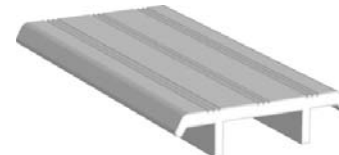
CR2767
1/2" H x 7" W



CARPET / SPECIAL PURPOSE THRESHOLDS / DOOR TOP WEATHERSTRIP



CR4243
3 1/2" WIDE SILL NOSING



CR3361
7/16" H x 1 3/4" CARPET THRESHOLD





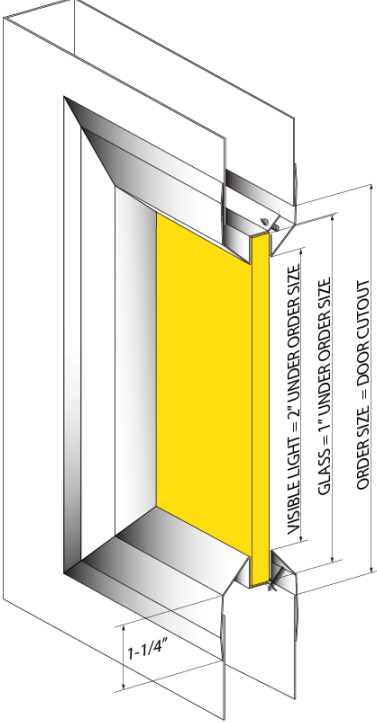
CR4462
2 1/2" DOOR TOP DRIP EDGE



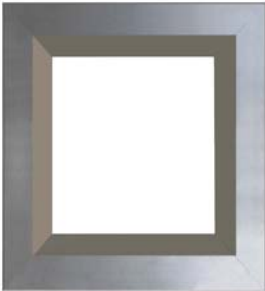

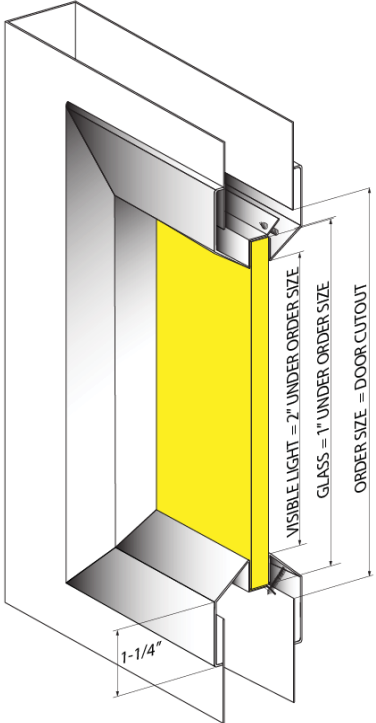
CR33641
7/16" H x 4" WIDE CARPET THRESHOLD

Cal-Royal / DKS 45-180 Minute Fire Rated Steel Vision Kits

SVL, Vision Lite Narrow Profile


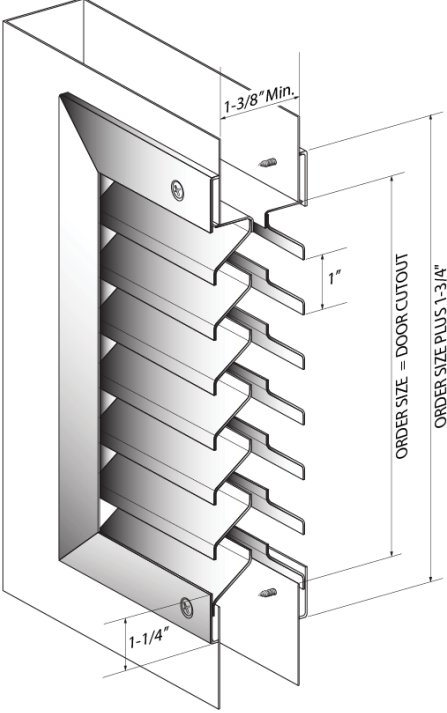
ILLUSTRATION	SPECIFICATIONS	DIMENSIONS
 <p>Warnock Hersey </p>	<p>For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI CODE 0870 00.</p> <p>Specifications:</p> <ul style="list-style-type: none"> - 20 Gauge Cold Rolled Steel - Mitered welded corners with counter sunk mounting holes - Single side attaching with matching mounting screws included - For use with 3/16" to 1" glass - Designed for use with 1-3/4" doors - Baked on powder coat finish - Color: Standard Bronze <p>Notes:</p> <ul style="list-style-type: none"> - Order size is equal to opening size - Visible vision opening is 2" under order size - Glass size dimension is 1" under complete order size - Follow all door manufacturer's instructions for use and installation of all products 	 <p>1-1/4"</p> <p>VISIBLE LIGHT = 2" UNDER ORDER SIZE GLASS = 1" UNDER ORDER SIZE ORDER SIZE = DOOR CUTOUT</p>

VL, Vision Lite Standard Profile


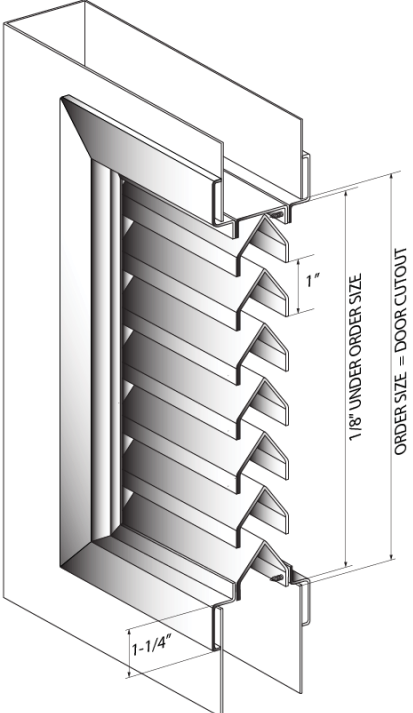
ILLUSTRATION	SPECIFICATIONS	DIMENSIONS
 <p>Warnock Hersey </p>	<p>For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI CODE 0870 00.</p> <p>Specifications:</p> <ul style="list-style-type: none"> - 20 Gauge Cold Rolled Steel - Mitered welded corners with counter sunk mounting holes - Single side attaching with matching mounting screws included - For use with 3/16" to 1" glass - Designed for use with 1-3/4" doors - Baked on powder coat finish - Color: Standard Bronze <p>Notes:</p> <ul style="list-style-type: none"> - Order size is equal to opening size - Visible vision opening is 2" under order size - Glass size dimension is 1" under complete order size - Follow all door manufacturer's instructions for use and installation of all products 	 <p>1-1/4"</p> <p>VISIBLE LIGHT = 2" UNDER ORDER SIZE GLASS = 1" UNDER ORDER SIZE ORDER SIZE = DOOR CUTOUT</p>

Cal-Royal / DKS 90 Minute Fire Rated Steel Louvers



YLV, Divided Reverse "Y" Blade, Inverted Louvers

ILLUSTRATION	SPECIFICATIONS	DIMENSIONS
 <p>Warnock Hersey W-H®</p>	<p>For use in Fire Rated door applications under positive and neutral pressure Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), NFPA 252 (2012), CSI CODE 08 90 00 Louvers and Vents.</p> <p>Specifications:</p> <ul style="list-style-type: none"> - 18 Gauge cold rolled steel frame and blades - Mitered welded corner frame construction - Divided row "Y" blades spaced at 1" increments with blocked vision design - Counter sunk mounting holes with screws for each side of doors - Designed for use on 1-3/4" doors - Baked on powder coat finish - Color: Standard Bronze <p>Notes:</p> <ul style="list-style-type: none"> - Order size equal to opening size - Follow all door manufacturers instructions for use and installation of all louver products 	

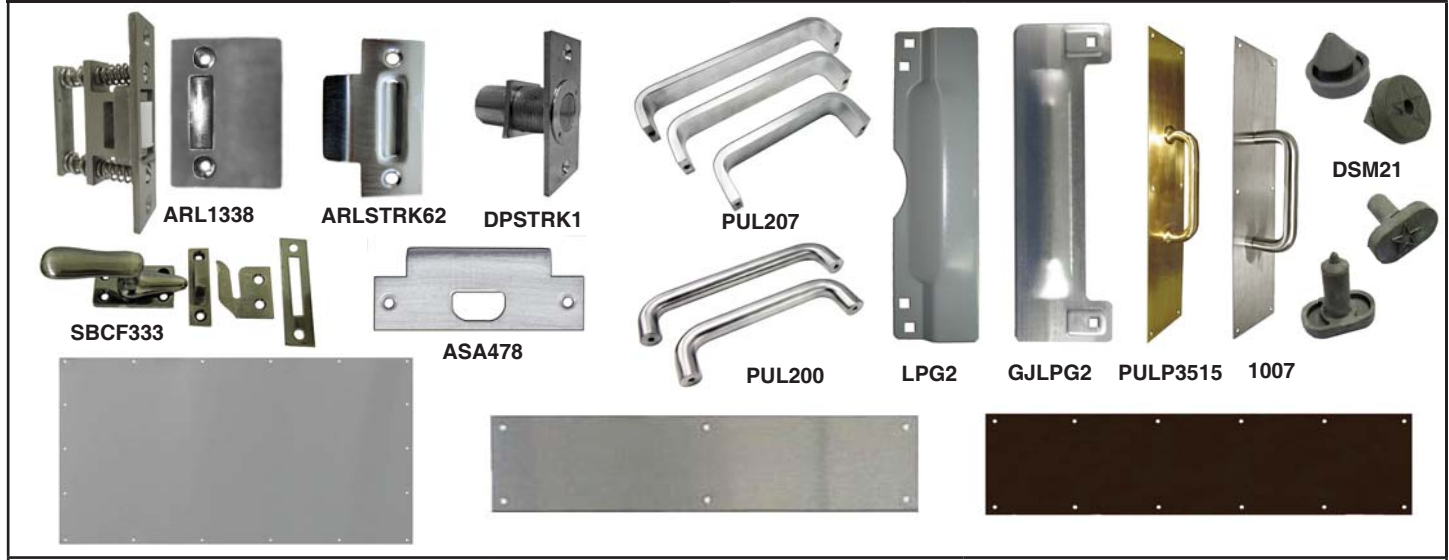
VLV, Inverted Y-Blade Louvers

ILLUSTRATION	SPECIFICATIONS	DIMENSIONS
 <p>Warnock Hersey W-H®</p>	<p>For use in Fire Rated door applications under positive and neutral pressure Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), NFPA 252 (2012), CSI CODE 08 90 00 Louvers and Vents.</p> <p>Specifications:</p> <ul style="list-style-type: none"> - 18 Gauge cold rolled steel frame and blades - Mitered welded corner frame construction - Reverse "Y" blades are frame supported at 1" increments, with blocked vision design - Single side mounting for non corridor exposure with fastening screws included - Designed for use on 1-3/4" doors - Baked on powder coat finish - Color: Standard Bronze <p>Notes:</p> <ul style="list-style-type: none"> - Order size equal to opening size - Follow all door manufacturers instructions for use and installation of all louver products 	

SLIDING DOOR LOCKS					CLOSET HARDWARE				
SDL16	PASPDL34	PRIPDL21	RSDL20	RSDL40	SBBC58	TPMC3230	ARCT3350		
WALL BUMPERS		WALL DOOR STOPS		FLOOR DOOR STOPS					
SWB	WB26	CONWB42	HDWDS99	SRB82	GS118	SMGNS-1	UNDS14	HDFDSH66	
FLEXIBLE / RIGID DOOR STOPS			DROP DOWN DOOR STOPS		DOOR GUARDS				
HDF53 (TOP) JFS13 (BOTTOM)	SOFS3	JRS34 (TOP) RS92 (BOTTOM)	SBDH5	SBDH41300	IRODH5	IRODH4	PDG88	SBDG00	DAP77
DOOR KNOCKERS / DOOR VIEWERS / DOOR VIEWER COVERS									
ELDVBEL150	ELECDDV180	ULDV200 (TOP) DV90 (MIDDLE) ULDV160 (BOTTOM)	SBDK/DV180	COV200 (TOP) COV160 (BOTTOM)	DKN95	ULDK93			
SIGNS									
CAEXT69	CACCS69	GIRH68	CAMH69	NS68	NEWUCHS10	MHS6A	RS1346	CAEXRT4534	

SOLID BRASS NUMBERS	SOLID BRASS LETTERS	DIE CAST NUMBERS & LETTERS
		
SBN2 - 2" SBN3 - 3" SBN4 - 4" SBN6 - 6"	SBL3 - 3" SBL4 - 4"	PN20 - 4" ZN5 - 5"

MISCELLANEOUS DOOR HARDWARE

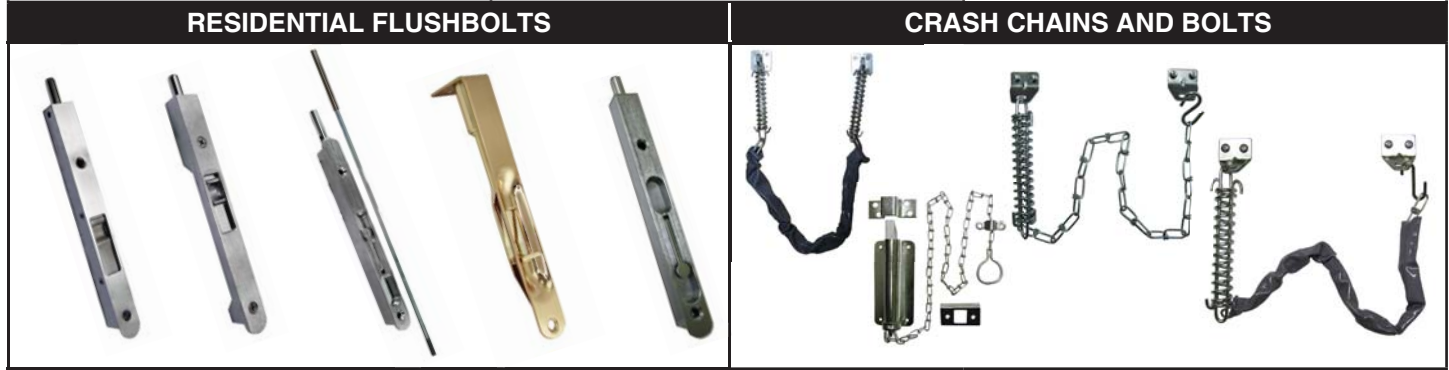


BARM 3436 BKICK1046 KICK1034

HANDRAIL BRACKETS	HINGE DOOR STOPS	SURFACE SECURITY BOLTS
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RESIDENTIAL FLUSHBOLTS CRASH CHAINS AND BOLTS



RESIDENTIAL FLUSHBOLTS CRASH CHAINS AND BOLTS



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