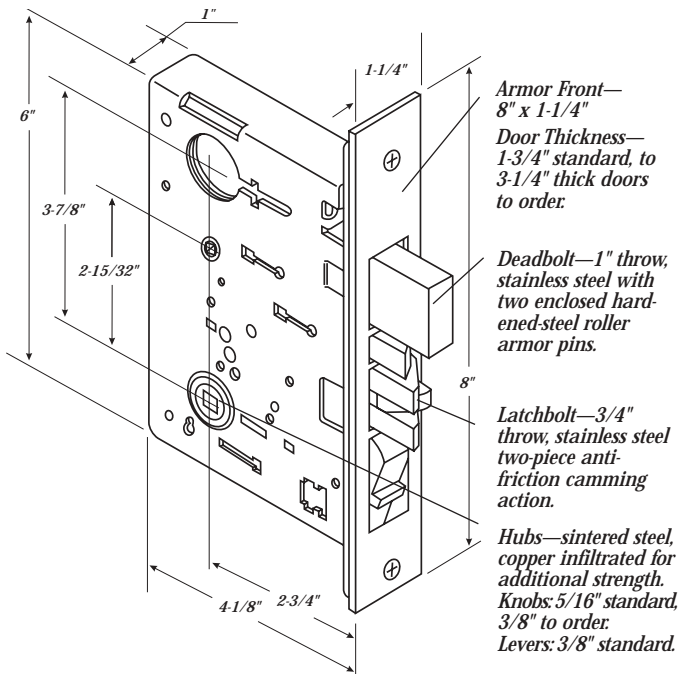


## YALE SECURITY GROUP

### 8700 Series Mortise Locks Overview

#### 8700 Series Overview



UL Listed—for application on labeled fire doors.  
 Backset—2-3/4" only.  
 Case—wrought steel, zinc dichromated.  
 ANSI Conformance—ANSI A 156.13, Series 1000, Operational Grade 1.

The Yale 8700 Mortise Lock Series is an industry standard product, suitable for installation on doors 1-3/4" to 3-1/4" thick. 8700 Series Mortise Locks are supplied standard for doors 1-3/4" thick; for other than standard, specify door thickness when ordering. The products have a 1" throw stainless steel deadbolt with two enclosed hardened steel roller armor pins. The latchbolt is 3/4" throw with stainless steel two piece anti-friction camming action. Although handed, this is a field reversible application to accommodate different door swings. Yale 8700 Series fronts are adjustable from flat to the standard bevel of 1/8" in 2". The lock front must be flush with the edge of the door.

#### Lock Reversibility

All Yale Mortise Locksets with the same trim on both sides (knob x knob or lever x lever) are field reversible. However, to reduce installation costs, it is recommended that the hand of the door be specified for each lockset ordered. All Yale Mortise Locksets with split trim (lever outside x knob inside or knob outside x lever inside) are handed, please specify the hand when ordering.

#### Warranty

Mechanical Mortise Locks carry a 1 year warranty.

#### Specifications

- Yale 8700 Mortise Lockset Series have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours. These locksets are available with 5/8" or 3/4", throw latchbolts for use in all classes of locations when applied to hollow-metal, metal-clad (Kalamein), composite (steel, wood and plastic covered), sheet-metal and wood core type fire doors (unless otherwise noted in the individual listings), are mounted in single swing doors not exceeding 4 feet in width and 8 feet in height and are doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted).
- Mortise locks are available in Yale PARA keyway or any G, S, or T keyways from stock. Other keyways can be ordered. Locks are furnished keyed different as standard. They are also available master keyed to order. Please inquire.

Yale manufactures locks in a variety of functions to meet commercial, residential and institutional requirements. Not all functions are shown in this catalog. If your requirements are not met by what is shown in this catalog, please contact us.

#### Ordering Information

From this outline select the List Number for the Mortise Lockset you require:

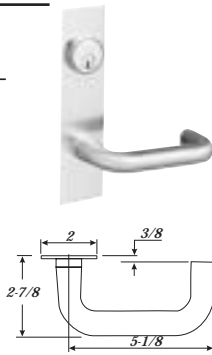
## MOR-8701 FL-US3-LH-

Design	Function	Finish	Hand: LH, LHR, RH, RHR
			Keyway: list number if not standard.
			Door Thickness

Supplementary Specifications: Lead Lined; knurled; abrasive coated; specific keying; keying; 7-pin cylinders; specific strike requirements other than standard, i.e. special lip length, curved, open back; special attachment or special-head screws, specify in detail; split finish, indicate outside finish first regardless of hand of door - but for RHR and LHR doors indicate finish desired for front and strike.

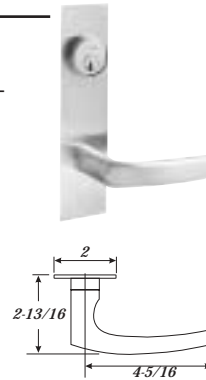
#### Carmel CRE

- CR Lever Handle—Brass (Solid Cast), Bronze-wrought, Stainless Steel—solid cast.
- CO Escutcheon—8" x 2", Heavy cold forged
- Cylinder Ring: Standard No. 1765
- Material: Brass, Bronze, Stainless Steel



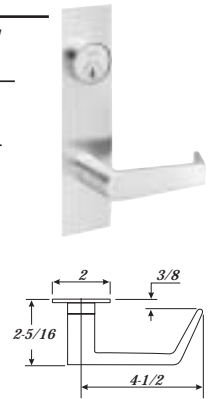
#### Monroe MOE

- MO Lever Handle—Brass, Bronze-solid cast, Stainless Steel—wrought.
- CO Escutcheon—8" x 2", heavy cold forged
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



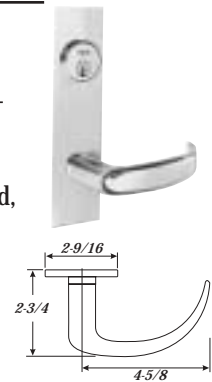
#### Augusta AUE

- AU Lever Handle—(Solid Cast)
- CO Escutcheon—8" x 2", Heavy cold forged
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



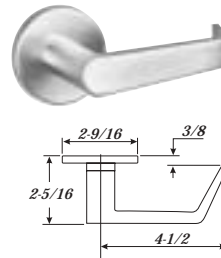
#### Pacific Beach PBE

- PB Lever Handle—(Solid Cast)
- CO Escutcheon—8" x 2", Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



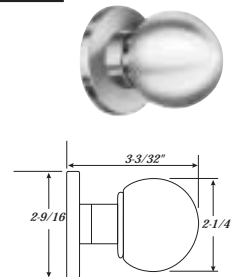
#### Augusta AUR

- AU Lever Handle—(Solid Cast)
- CO Rose—Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



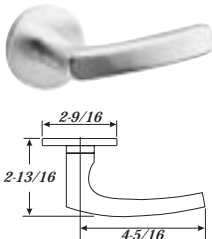
#### Copenhagen COR

- CO Knob—Heavy cold forged, reinforced.
- CO Rose—Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



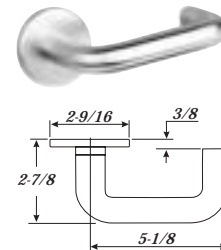
#### Monroe MOR

- MO Lever Handle: Brass, Bronze-solid cast, Stainless Steel—wrought.
- CO Rose—Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



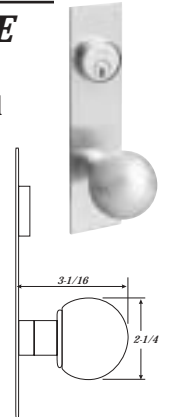
#### Carmel CRR

- CR Lever Handle—Brass (Solid Cast), Bronze-wrought, Stainless steel—solid cast.
- CO Rose—Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



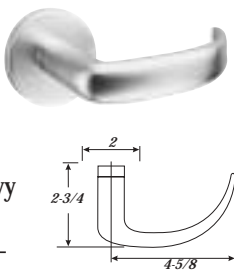
#### Copenhagen COE

- CO Knob: Heavy cold forged, reinforced
- CO Escutcheon: 8" x 2", heavy cold forged
- Cylinder Ring: Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



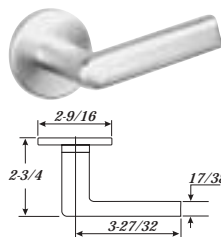
#### Pacific Beach PBR

- PB Lever Handle—(Solid Cast)
- CO Rose—Heavy cold forged
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



#### Virginia VIR

- VI Lever Handle—(Solid Cast)
- CO Rose—Cold forged, reinforced
- Cylinder Ring—Standard, No. 1765
- Material—Brass, Bronze, Stainless Steel



NOTE: All trim will be compatible with the finish ordered. The finishes available are US3, US4, US9, **US10**, US10B, US26, **US26D**, US32, US32D.

Yale manufactures a large variety of functions and designs to meet commercial, residential and institutional requirements. Not all functions or designs are shown in this catalog. If your requirements are not met by what is shown here, please contact us.

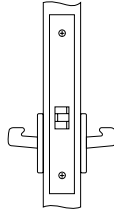
## YALE SECURITY GROUP

### 8700 Series Functions

Note: 8790 and 8791 Electrified Locksets appear on page 541.

#### Passage Latch (F01)

- For doors that do not require locking.
- Either knob/lever operates the latchbolt.

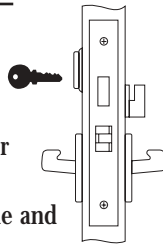


Spindles—Knobs, 5/16" standard, N1170-1/2. Levers, 3/8" only, 1173L.

List Numbers		Throw (in.)
Knobs	Levers	Latchbolt
8701	8701FL	3/4

#### Entrance or Storeroom Lock (F21)

- Latchbolt by knob/lever either side.
- Deadbolt by key outside and thumbturn inside.

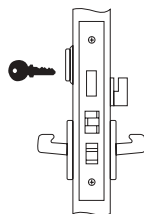


Spindles: Knob, 5/16" standard, N1174-1/2; Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)	
Knobs	Levers	Latchbolt	Deadbolt
8760	8760FL	3/4	1

#### Entrance and Apartment Door Lock (F20)

- Deadlocking latchbolt.
- Latchbolt by knob/lever either side, except when outside knob/lever is set by stopwork activator.
- Deadbolt by key outside and thumbturn inside.
- Key outside retracts both latchbolt and deadbolt.

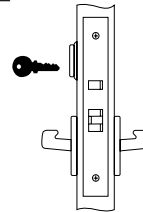


Spindles: Knob, 5/16" standard, N1174-1/2; Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)	
Knobs	Levers	Latchbolt	Deadbolt
8747	8747FL	3/4	1

#### Classroom Lock (F05)

- For classroom, office, or utility room doors.
- Deadlocking latchbolt.
- Latchbolt by knob/lever either side, except when outside knob/lever is set by key outside.
- Inside knob/lever always active.

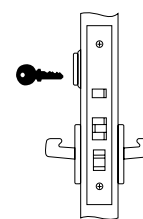


Spindles: Knobs, 5/16" standard, N1174-1/2. Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)
Knobs	Levers	Latchbolt
8708	8708FL	3/4

#### Entrance Lock (F04)

- For office doors where locking is required.
- Deadlocking latchbolt.
- Latchbolt by knob/lever either side, except when outside knob/lever is set by stopwork activator.
- When outside knob/lever is set, latchbolt is operated by key outside and knob/lever inside.

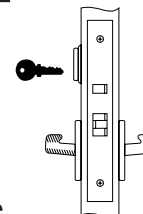


Spindles: Knobs, 5/16" standard, N1174-1/2. Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)
Knobs	Levers	Latchbolt
8707	8707FL	3/4

#### Storeroom or Closet Lock (F07)

- For use on storeroom, utility, exit doors.
- Deadlocking latchbolt.
- Latchbolt by key outside, knob/lever inside. Outside knob/lever rigid at all times.

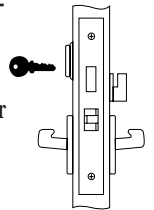


Spindles—Knobs, 5/16" standard, N1174-1/2. Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)
Knobs	Levers	Latchbolt
8705	8705FL	3/4

#### Privacy Lock (F02) (F19)

- Latchbolt by knob/lever either side.
- Deadbolt by thumbturn inside.
- Projected deadbolt is outside knob/lever is made rigid.
- Anti-panic operation. Turning inside knob/lever retracts latchbolt and deadbolt simultaneously unlocking outside knob/lever.
- In emergency, deadbolt may be unlocked from outside by E203 emergency key supplied.

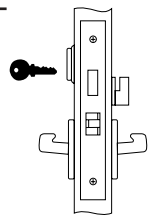


Spindles—Knobs, 5/16" standard, N1174-1/2. Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)	
Knobs	Levers	Latchbolt	Deadbolt
8702	8702FL	3/4	1

#### Dormitory Lock (F13)

- Latchbolt by knob/lever either side.
- Deadbolt by key outside and thumbturn inside.
- When the deadbolt is projected, outside knob/lever is made rigid.
- Anti-panic operation. Turning inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.



Spindles—Knob, 5/16" standard, N1174-1/2. Levers, 3/8" only, 1178L.

List Numbers		Throw (in.)	
Knobs	Levers	Latchbolt	Deadbolt
8722	8722FL	3/4	1

#### GF1824 Thumbturn and Round Plate

Supplied standard on all locks with round rose sectional trim or lock functions with no roses.



- Thumbturn—Brass, Bronze, Stainless Steel.
- Plate—1-7/8" Diameter, Brass, Bronze, Stainless Steel.

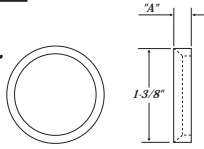
GF1826-Plate Only - Used for outside of 8702 Privacy Lock.

### Cylinder Rings

Cylinder rings are supplied as standard where required with those locksets supplied with cylinders. Ring size and thickness is supplied to suit the length of the cylinder, the thickness of the door and the trim ordered. (If door thickness is not specified, rings will be furnished for 1-3/4" door.)

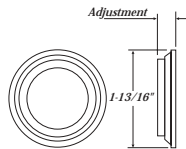
#### 1134 Tubular Cylinder Ring

- "A" Dimension—Thicknesses from 1/16" to 15/16" as required.
- Material—Brass



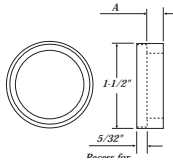
#### 1135 Adjustable Cylinder Ring

- 3/16" Size—Adjusts from .22" to .30"
- 1/4" Size—Adjusts from .26" to .34"
- 5/16" Size—Adjusts from .30" to .38"
- Material—Brass, Bronze



#### 1765 Recessed Cylinder Ring

- "A" Dimension—Thicknesses from 1/16" to 1-15/32" as required.
- Material—Brass, Bronze



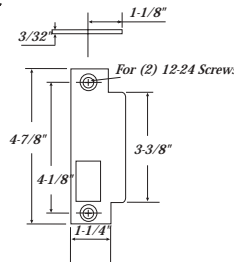
### Strikes

Each Yale 8700 Mortise Lock will be supplied standard with a Flat Strike with a 1-1/8" lip length. The strike supplied will accommodate the locking function, i.e. latchbolt and/or deadbolt and can be installed on doors 1-3/4" thick. These strikes are reversible. Mortise Lock Strikes are mounted on the same vertical centerline as the lock.

#### Flat Strikes

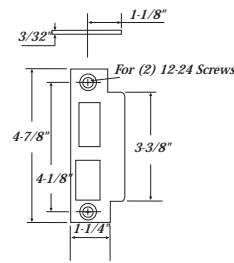
##### Standard 2810 ANSI Latchbolt Only Strike

- Reversible for locks with latchbolt only.
- Lip Lengths—1-1/8" regular; to special order, long, 1-1/4", 1-1/2", 1-3/4", 2", & 2-1/2"; short, 7/8" and 1".
- Material—Brass, Bronze, Stainless Steel.



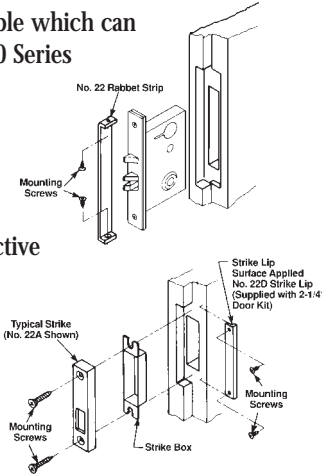
##### Standard 2811 ANSI Latchbolt x Deadbolt Strike

- Reversible—locks with latchbolt and deadbolt.
- Lip Lengths—1-1/8" regular; to special order, long, 1-1/4", 1-1/2", 1-3/4", 2", & 2-1/2"; short, 7/8" and 1".
- Material—Brass, Bronze, Stainless Steel.



### Rabbeted Door Kits

Kits are available which can adapt the 8700 Series to rabbeted doors. These kits contain a 1/2" standard step rabbet strip for the active door, a strike to accommodate the lock function, a strike box, and depending on the door thickness, a strike lip. They are available for doors 1-3/4", 2" and 2-1/4" thick in US10 and US26D finishes only. All components are reversible.



Lock Function	Door Thickness	Door Kit List No.	Strike No.
Latchbolt Only	1-3/4"	RK239+	22A
	2"	RK239+	22A
	2-1/4"	RK242*	22A
Latchbolt X Deadbolt	1-3/4"	RK240+	22B
	2"	RK240+	22B
Deadbolt Only	1-3/4"	RK243*	22B
	2"	RK241+	22C
	2-1/4"	RK241+	22C
		RK244*	22C

+Kits contain No. 22-1/2" standard step strip, strike, strike box and screws.

\*Kits contain above plus No. 22D strike lip with attaching screws.

### Mortise Lock Spindle Chart

Spindle Model		Type	Door Thickness Range	Size	Length
For levers	For Knobs*				
1173L		Straight	1-1/4" to 1-3/4"	3/8"	4"
1173L-2.5		Straight	2" to 2-1/2"	3/8"	4-25/32"
1173L-3.25		Straight	2-3/4" to 3-1/4"	3/8"	5-17/32"
	N1170-1/2	Straight	1-1/4" to 2-1/4"	5/16"	4-7/8"
	N1170-1/2-3.25	Straight	2-1/2" to 3-1/4"	5/16"	6-1/8"
1178L		Swivel	1-1/4" to 1-3/4"	3/8"	4"
1178L-2.5		Swivel	2" to 2-1/2"	3/8"	4-25/32"
1178L-3.25		Swivel	2-3/4" to 3-1/4"	3/8"	5-17/32"
	N1174-1/2	Swivel	1-1/4" to 2"	5/16"	5-3/8"
	N1174-1/2-3.25	Swivel	2-1/4" to 3-1/4"	5/16"	6-3/8"

\*For trim designs excluding CAE and WG

