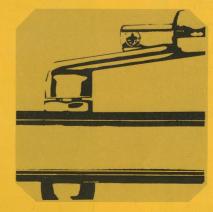
architectural builders hardware









1972 condensed catalog SARGENT & CO.



FINISH HARDWARE



0



This catalog is published to acquaint the reader with the broad Sargent line of advanced architectural hardware. It is not the intent of this catalog to provide complete technical data, but rather to state the pertinent features of the major Sargent lines.

It is the belief of Sargent & Company that hardware should complement the architect's design without asserting its presence. Each product should blend in and belong ... but with the perfection of a precision instrument in its own right.

Each lock, door closer or exit device should suggest the quality of its internal engineering . . . the strength, precision and security that endure as much as its style.

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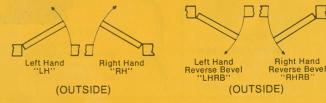
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#### SELECTION GUIDE

#### FINISHES

LIMIQUES		
SYMBOL	DESCRIPTION	
3	Polished Brass	
4	Dull Brass	
10	Dull Bronze	
10B	Dull Bronze, Oxidized and Oil Rubbed	
10BL	Dull Bronze, Oxidized and Lacquered	
20D	Statuary Dark Bronze, Lacquered	
26	Chrome	
26D	Dull Chrome	
28	Satin Anodized Aluminum	
32	Polished Stainless Steel	
32D	Satin Stainless Steel	
EN	Aluminum Enamel	
EP	Bronze Enamel	
EB	Bronze Enamel to match 10B	
ED	Bronze Enamel to match 20D	

#### HANDING



#### HOW TO SPECIFY SARGENT PRODUCTS

To specify complete Sargent locksets, include

		Function		Finish	Hand
Example:	77	05	LL	10	RH

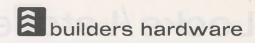
To specify Sargent Door Closers, include -

	Finish*	Series & Size	Hand	Arm
Example:	EN	153	R	0

When ordering plated finishes, specify finish last (example: 153R-0 x US 10)

To specify Sargent Exit Devices, include -

	Device Number	Trim	Strike Number & Lip Length	Hand	Finish
Example:	9804	STS	632 x 3" Lip	LHRB	10



## **SECURITY**

#### MASTERKEYING

Masterkeying is an important consideration on any commercial type of building, such as office, school, hospital, church, etc. Masterkeying provides the owner or other responsible persons with a single key which will operate a particular group of locks or the lock on an entire floor of a building, or in the case of a group of buildings, the locks in one building. A basic premise to remember is that a non-masterkeyed cylinder is the most secure in a conventional cylinder system. Therefore, a keying system should be planned with as few "convenience" keys as possible. Although convenience or prestige keys are impressive to top management, they decrease the security of a system.

#### REMOVABLE CORE CYLINDERS

Sargent removable core cylinder systems are available for increased security through quick changing of keying. It is not necessary to remove a cylinder from a door to change keying. Removable cores are quickly and easily removed by the use of a control key for replacement or relocation.

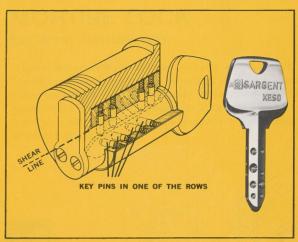


#### CONSTRUCTION CYLINDERS

Sargent construction systems protect the building owner by providing temporary keying or removable cores during the construction period. Regular day and masterkeys or permanent cores are retained by the Sargent distributor during construction.

Temporary keys or cores become inoperative when the regular keys are turned over to the building owner or the permanent cores are installed.

## THE SARGENT MAXIMUM SECURITY SYSTEM



This Sargent system, which utilizes a new concept in cylinder construction, offers the building owner greater security by virtue of several unique features:

- Highly pick-resistant cylinders a fanshaped arrangement of twelve key pins bars the way to picking.
- Key control owner retains control over duplication of keys by unauthorized persons.
   Keys must be ordered from factory.
- Expanded levels of masterkeying four additional levels of masterkeying are available with no loss of security.
- Each system proprietary no Sargent Maximum Security System installation will ever be duplicated . . . security of the system is assured.



The Sargent Maximum Security System cylinder is available for all Sargent Mortise Locks; key-in-knob MagnaLocks and IntegraLocks; and 90 Series Exit Devices. Removable Core and Construction Core Cylinders are also included in the system. One version of the cylinder is U.L. Listed for burglary protection.



# Locks/Latches

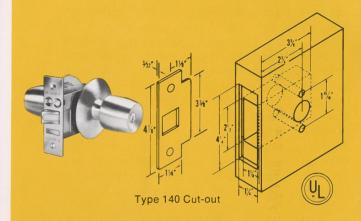


# **SARGENT**® full-duty lock lines

Precision, richness of design, and years-ahead engineering combine to make the Sargent lock line the ideal choice for all requirements of modern construction. Quality lockmaking is an art. It is this art that brings to the ultimate user a sense of security and the knowledge that his hardware will endure through the years. Sargent fullduty lock lines are backed by over a century of hardware experience, famed for an impressive list of industry firsts.

## INTEGRALOCK

A patented, modern key-in-knob lock with true deadbolt security, combining all the best features of both unit and mortise locks . Available in all conventional functions with wide choice of trim • Fast, three-step installation • Anti-friction latch bolt with nylon inserts • Simplified mechanism, steel moving parts, nylon bushings, oilite bearings



## specifications

Attaching

Series 7600 Ordering Prefix "76"

Conform to Federal Specification Series 140

Integralock locksets and latch sets may be substituted for mortise type and cylindrical type locks at option of supplier when the option is included in the project specifications.

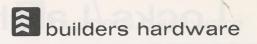
**For Doors**  $1\frac{3}{4}$ " (to  $2\frac{1}{4}$ " if so specified). Case Cold rolled Steel. Zinc chronak plated. Front Brass, Bronze, Aluminum. Brass, Bronze, Stainless Steel. ASA Standard A-115.2. With Wrought Aluminum strike box. Strike **Latch Bolt** Anti-Friction, Extruded Brass, with Ny-Ion insert; 1/2" throw. **Dead Bolt** Extruded Brass, 1/2" throw. **Guard Bolt** Extruded Brass.

Keys Two, Nickel Silver. Cylinder Brass, 5- or 6-pin tumbler. Maximum Security System available.

Phillips head, combination machine Screws Maximum knob projection is 227/32". **Projection** 

**Finishes** 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28,

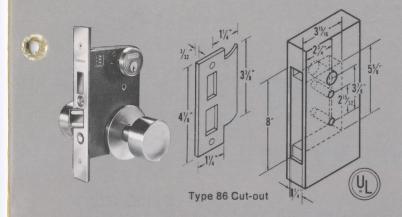




## MORTISE LOCK

#### for knob trim

The lock standard for well over fifty years, chosen consistently for security and dependability . Available in all conventional functions with wide choice of distinctive screwless trim • Standard size lock case for mass production mortising and interchangeability . Anti-friction latch and guard bolts with nylon inserts



## specifications

Reverse

**Turn Lever** 

Projection

**Finishes** 

#### Series 7700 Ordering Prefix "77"

Conform to Federal Specification Series 86

For Doors	13/4" and over (Specify thickness when ordering).
Dead Bolt	Brass, ½" throw. 1" throw available for functions 7725, 26, 45. Prefix 14. Example: 14-7725.
Latch Bolt	Anti-Friction, Extruded Brass, with Nylon inserts; ½" throw.
Front	Brass, Bronze, or Aluminum. (Adjustable Armored Fronts can be adjusted at any angle from flat to beveled 1/8" in 2".
Case	Cast Iron, protected by Perma-Guard corrosion resistant finish.
Strike	Brass, Bronze, Stainless Steel. ASA Standard A-115.1., Curved lip. Handed.
Keys	Two, Nickel Silver.
Cylinder	Brass, 5- or 6-pin tumbler.  Maximum Security System available.
Easy Spring	Easy on latch, firm on knob. Two compression springs.

Flat front, by removing cap. Rabbeted

Brass, Bronze, Aluminum or Stainless

3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28, 32,

front, not reversible. Specify hand.

Maximum knob projection is 21/8".

6700 Series Mortise Locks Conform to Federal Specification FF-H-106 Series 85 for use with 13/8" and 13/4" doors. 7800 Series Mortise Locks Conform to Federal Specification FF-H-106 Series 87 for use with doors 13/4" thick

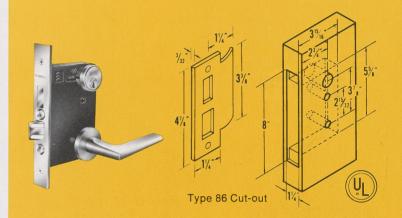
See the Sargent Architectural Hardware Catalog.

Steel No. 127.

### MORTISE LOCK

#### for lever handle trim

Engineered specifically to bear the extra weight of lever handles and increased torque generated by them . Cases, hubs, springs and other load-bearing parts have been given added strength . Available in wide range of functions with twenty-four trim combinations • Anti-friction latch and guard bolts



## specifications

#### Series 8100 Ordering Prefix "81"

Conform to Federal Specification Series 86

For Doors	13/4"	and	over	(Specify	thickness	if

other than 13/4").

Brass,  $\frac{1}{2}$ " throw .1" throw available for functions 8125, 26, 45. Prefix 14. **Dead Bolt** 

Example: 14-8125.

Anti-Friction, Extruded Brass, with Nylon inserts;  $\frac{1}{2}$ " throw. **Latch Bolt** 

Brass, Bronze or Aluminum. Adjustable Front

Armored Fronts can be adjusted at any angle from flat to beveled 1/8" in 2'

Cast Iron, protected by special Perma-Case

Guard corrosion resistant finish

Brass, Bronze, Stainless Steel. ASA Standard A-115.1, Curved Lip. Handed. Strike

Keys Two, Nickel Silver.

Brass, 5- or 6-pin tumbler. Maximum Security System available. Cylinder

Easy on latch, firm on lever handle. Two **Easy Spring** 

compression springs.

Handed Not reversible. Specify hand when

ordering.

Brass, Bronze, Aluminum or Stainless Steel, No. 130KB. **Turn Knobs** 

**Projection** Maximum lever handle projection is 3". **Finishes** 3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28, 32,

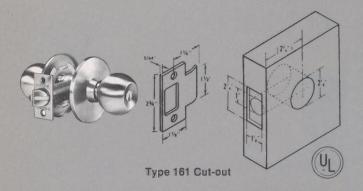
8200 Series Mortise Locks conform to Federal Specification Series 87.

1800 Series Mortise Locks are for use on 1\%" doors. See page 7.

# Locks/Latches

## MAGNALOCK

Heavy-duty bored lock with exclusive "T" Zone construction . . . One-piece aligning tube and latch tube interlock to form torque-resistant "T" in critical twist area . Selfsupporting for standard hollow metal door cutouts . Reverses completely without disassembly . Self-adjusting front fits both flat and beveled doors . Available in all conventional functions with wide choice of trim . Antifriction latch bolt with nylon inserts • Available in 23/4". 5", 7", 12", 15" and 18" backsets, without the need for supplementary linkage.



## specifications

#### Series 8 Line Ordering Prefix "8"

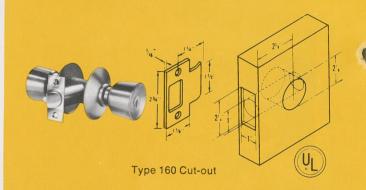
Conform to Fed	eral Specification Series 161
For Doors	$1\frac{3}{8}$ " - $1\frac{3}{4}$ ". ( $2\frac{1}{4}$ " doors if so ordered).
Case	Hard drawn Brass seamless tubing.
Front	Brass, Bronze, Aluminum, Stainless Steel. Self Adjusting for flat or beveled doors.
Strike	Curved lip, No. 800 ASA A-115.3. Brass, Bronze, Stainless Steel. With Wrought Aluminum box. No. 808 ASA A-115.2 strike available on order.
Hand	Universal, not handed.
Latch Bolt	Anti-Friction, Hard Drawn, Solid Brass, with Nylon insert; ½" throw. Available with ¾" throw.
Two Springs	Light on latch, firm on knob.
Aligning Tube	Precision machined from solid Brass rod.
Keys	Two, Nickel Silver.
Cylinder	Brass, 5- or 6-pin tumbler.  Maximum Security System available.
Escutcheons or Roses	Wrought and Forged Brass, Bronze, Aluminum and Stainless Steel, and Fired Copper.
Knobs	Wrought, Forged and Cast. Brass, Bronze, Aluminum and Stainless Steel, and Delrin.
	Maximum knob projection from $1\frac{3}{4}$ " door is $2\frac{31}{32}$ ".
200 F 2 W	

Corrosion Resistant Series 9 Line Ordering Prefix "9" Made with Stainless Steel and Bronze parts for use where climatic conditions may cause corrosion. For 23/4" and 5" backsets only. Available in all MagnaLock finishes and designs.

3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28,

## SENTRYLOCK

Standard-duty bored lock, ideal for fine homes, apartment houses, light commercial structures and shopping centers • "T" Zone construction . . . Aligning tube and latch tube interlock to form unit stronger than the door itself . . . Particularly torque resistant in critical twist area • Completely reversible • Full 21/2" backset (will fit 23/8" backset cutout of Type 160), non-loosening roses and stainless steel retractors assure maintenance-free operation and endurance • Also availble with 23/4" and 5" backsets



## specifications

Series 6 Line Ordering Prefix "6"

Conform to Federal Specification Series 160

For Doors .13/8" to 13/4" thick.

Steel, Zinc-dichromate plate and Chro-Case

nak-dipped.

**Front** Brass, Bronze, Aluminum.

Strike Curved lip, No. 600 ASA A-115.3. Brass,

Bronze, Stainless Steel. With Wrought Aluminum box. No. 808 ASA A-115.2

strike available on order.

Hand Universal, not handed.

Latch Bolt Hard Drawn Solid Brass, 1/2" throw.

**Two Springs** Light on latch, firm on knob.

**Aligning Tube** High-pressure formed Aluminum.

Two, Nickel Silver. Keys

Cylinder Brass, 5-pin tumbler.

**Knobs** 

**Escutcheons** 

Wrought Brass, Bronze, Stainless Steel, or Roses Aluminum and Fired Copper.

Wrought Brass, Bronze, Stainless Steel,

Aluminum and Delrin.

**Projection** Maximum knob projection from 13/8"

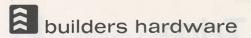
door is 215/16"

3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28, 32, 32D. **Finishes** 

NOTE: SentryLock available with 23/4" backset for stock metal doors prepared for Federal Type 161 Series Locks, with self-adjusting front  $2\frac{1}{4}$ " x  $1\frac{1}{8}$ " for both flat and beveled doors. Construction key system available with 6-pin cylinder.







## LEVER HANDLES

Available in Brass, Bronze, Aluminum, Stainless Steel



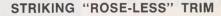
SEAWING DESIGN - LNA

Lever: A;  $4\frac{7}{16}$  Rose: LN Rose-less: Specify LPA



OCEANSPRAY DESIGN - LNE

Lever: E; 4"\* Rose: LN Rose-less: Specify LPE





LPA illustrated

All Sargent lever handles are available in the new rose-less trim. In lieu of a rose, a near-invisible bushing is used.

To order, specify the 11-8100 or 8200 Series Mortise Locks.

#### **ESCUTCHEON DESIGNS**



Brass, Bronze, Aluminum.

All lever handles shown on this page are available with this sleek, elongated cast escutcheon.

Escutcheon: LE; 75%" x 15%"

LEF illustrated



NORTHWIND DESIGN - LNB

Lever: B; 45/8"\* Rose: LN Rose-less: Specify LOB



#### SEABREEZE DESIGN - LNF

Lever: F; 4"\* Rose: LN Rose-less Specify LPF



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SEASWEPT DESIGN - LNC

Lever: C; 43/8"\* Rose: LN Rose-less: Specify LOC



#### NORTHCOAST DESIGN - LNG

Lever: G;  $4\frac{13}{32}$ \* Rose: LN Rose-less: Specify LPG



VIKING DESIGN - LND

Lever: D; 43/8"\* Rose: LN Rose-less: Specify LOD



#### NORDIC DESIGN - LNJ

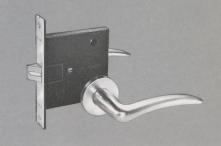
Lever: J; 42%2"\* Rose: LN Rose-less: Specify LPJ

#### 1800 SERIES

The 1800 Series Mortise Locks are a heavy duty line complementing the 8100 and 8200 Series, and are designed for interior doors 1% thick and over.

Available with all 8100, 8200 Series lever handle trim, including rose-less trim for wood door applications.

Refer to the Sargent Architectural Hardware Catalog for full description.



\*Length of lever from center of spindle to end.

## Trim



## INTEGRALOCK MORTISE LOCK **MAGNALOCK**

Note: Mortise Lock trim does not have key in knob.

These pages illustrate representative examples of knob trim for the Sargent lock lines. For a complete description of trim, see the Sargent Architectual Hardware Catalog.

All trim shown on these pages is available in Brass, Bronze and Aluminum. Trim marked by an asterisk (\*) is also available in Stainless Steel.

#### **DELRIN® KNOBS AND FIRED** COPPER ROSES

Locksets styled to charm to warm a doorway with friendly color. Non-static, scratch-proof, Delrin knobs combine the strength properties of metal and the drama of color. Change Black as Company of the color of the strength of the color of the strength of the stren color. Choose Black or Off-White.

Brought to you in a dramatic revival of the ancient art of precious enameling, fired copper roses are available in Jade Green, Sunburst Red, Antique Green, Duck's Head Black and Galaxy Gray.

Delrin, red copper, and standard metal finishes provide unlimited decorating opportunities

®DuPont



Rose 31/2" Knob 21/8"

HARDING DESIGN - GM\* Rose: G — Cold Forged Knob: M — Wrought



Rose 31/2" Knob 2"

ARTHUR DESIGN - GA Rose: G — Cold Forged Knob: A — Hot Forged



Rose 31/2" Knob 21/4"

GRANT DESIGN - GR Rose: G — Cold Forged Knob: R — Cold Forged ALSO AC-(not available for Mortise Lock) Wrought trim. ALSO GC-(Stainless Steel only) Cold Forged rose, Wrought knob.



Rose 23/4" Knob 21/8"

COOLIDGE DESIGN - OL\* (Not available for IntegraLock) Rose: 0 — Wrought Knob: L — Wrought



Rose 23/4" Knob 21/4"

VAN BUREN - UF (Not available for IntegraLock) Rose: U — Cold Forged Knob: F — Cast



Rose 23/4" Knob 21/8"

WILSON DESIGN - DM\* (Not available for IntegraLock)
Rose: D — Wrought
Knob: M — Wrought



Rose 23/4" Knob 21/8"

TYLER DESIGN --- YM\* (Not available for IntegraLock) Rose: Y — Wrought Knob: M — Wrought



Rose 31/2" Knob 21/8"

HARDING DESIGN - GM2\* Rose: G — Cold Forged Knob: M2 — Delrin



Rose 3" Knob 21/4"

JUPITER DESIGN -- KBB\* (For Mortise Lock only) Rose: KB — Cast
Knob: KB — Cast
For Integralock and
Magnalock, order as KLO\*
Rose: KL — 334" diam.
Knob: KO — 21/4"diam.



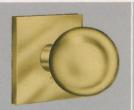
Rose 3" Knob 21/4"

KRONOS DESIGN — KBD\* (For Mortise Lock only) Rose: KB — Cast Knob: KD — Cast



Rose 21/8" Knob 21/4"

MARS DESIGN — KAB\* (For Mortise Lock only) Rose: KA — Cast Knob: KB — Cast



Rose 21/8" Knob 21/4"

JUNO DESIGN - KAD\* (For Mortise Lock only) Rose: KA — Cast Knob: KD — Cast

#### SENTRYLOCK



Rose 33/4" Knob 21/8"

KENT DESIGN - KLP Rose: KL — Cast Knob: KP — Cast



Rose 31/2" Knob 2"

LAUREL DESIGN - LD\* Rose: L — Wrought Knob: D — Wrought



Rose 21/8" Knob 21/8"

CROMWELL DESIGN - KMP Rose: KM — Cast Knob: KP — Cast



Rose 23/4" Knob 2"

OXFORD DESIGN - OD\* Rose: 0 — Wrought Knob: D — Wrought





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# a builders hardware



Rose 31/2" Knob 21/8"

CLEVELAND DESIGN — LL\*
Rose: L — Wrought
Knob: L — Wrought



Rose 31/2" Knob 21/4"

FILLMORE DESIGN — GF Rose: G — Cold Forged Knob: F — Cast



Rose 31/8" Knob 2"

JEFFERSON DESIGN — EG\* Rose: E — Wrought Knob: G — Wrought



Rose 31/8" Knob 21/4"

POLK DESIGN — EC \*
Rose: E — Wrought
Knob: C — Wrought





Rose 3%" Knob 21/8"

G3A2 DESIGN
Rose: G3 — Fired Copper
Knob: A2 — DeIrin
Rose Ring: Wrought



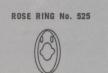
75/8" x 15/8" overall

ZEUS DESIGN — KEC (For Mortise Lock only) Escutcheon: KE — Cast Knob: KC — Cast



75%" x 15%" overall

NEPTUNE DESIGN — KEA (For Mortise Lock only) Escutcheon: KE — Cast Knob: KA — Cast



Attractive accessory made for locks using G Rose. Order as No. 526 for MagnaLock.

Finishes: 3, 9, 26



Rose 23%" Knob 2"

ATHENA DESIGN — KDA\* (For Mortise Lock only) Rose: KD — Cast Knob: KA — Cast



Rose 23/8" Knob 21/8"

VULCAN DESIGN — KDC\* (For Mortise Lock only) Rose: KD — Cast Knob: KC — Cast For MagnaLock, order as KMO Rose: KM — 2½" diam. Knob: KO — 21¼" diam.



Knob 21/8"

THOR DESIGN — KCC\* (For Mortise Lock only) Rose Bushing: KC Knob: KC — Cast



Knob 2"

JOVE DESIGN — KCA\* (For Mortise Lock only) Rose Bushing: KC Knob: KA — Cast



Rose 21/8" Knob 21/4"

SSH SERIES (For Mortise Lock only) Rose: 573 — Forged Knob: 1872 — Cast



Rose 23/4" Knob 2"

SAYBROOK DESIGN — YN\* Rose: Y — Wrought Knob: N — Wrought



Rose 23/4" Knob 2"

SUFFIELD DESIGN — DS\*
Rose: D — Wrought,
Knob: S — Wrought



Rose 23/4" Knob 2"

DARIEN DESIGN — DD\*
Rose: D — Wrought
Knob: D — Wrought



Rose 23/4" Knob 2"

DANBURY DESIGN — D2A3\*
Rose: D2 — Fired Copper
Knob: A3 — DeIrin
Pictured with No. 560
Rose Ring accessory



Rose 31/8" Knob 2"

ENFIELD DESIGN — EJ\*
Rose: E — Wrought
Knob: J — Wrought

# Functions

The following chart lists representative functions and their variations within each of the four lines.

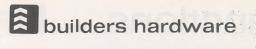


LOCATION	OPERATION	INTEGRALOCK
Office, Dormitory or Motel Room	24 By both knobs. Outside locked by inside push button. Key or inside knob releases outside knob and inside button. (Closing door does not release outside knob or button.) Deadlocking (Guarded) Latch bolt.	Not available
Entrance or Office	<b>05</b> By both knobs. From outside by key. Outside knob locked or unlocked by button. Deadlocking (Guarded) Latch bolt.	Button in face
Entrance	45 Both bolts from outside by key. Dead bolt from inside by turn lever. Latch bolt from both sides by knobs, except when outside locked by stop in front.	
Hospital or Class Room	<ul> <li>37 From outside by knob except when locked from outside by key. From inside by knob at all times. Deadlocking (Guarded) Latch bolt.</li> <li>87 (IntegraLock and MagnaLock) Similar function but with hold-back feature.</li> </ul>	
Class Room Dead Lock	03 From outside by key. From inside by turn knob to retract bolt but not to project it.	Not available
Store Room or Service	04 From outside by key, inside by knob. Outside knob is rigid at all times. Deadlocking (Guarded) Latch bolt.	
Store or Store Room	<b>26</b> By both knobs. Key on either side locks or unlocks.	Deadbolt from both sides by key.
All Purpose, Dormitory or Store Room	<b>25</b> Dead bolt from outside by key, from inside by turn lever. Latch bolt from both sides by knobs.	
All Purpose, Dormitory or Store Room	25 By inside knob at all times. Outside knob locked by inside push button, opened by outside key. Key or inside knob releases button except if button is turned with coin while in depressed position. Closing door does not release button. Deadlocking (Guarded) Latch bolt.	Not available
Passage	15 By both knobs.	
Exit or Playcourt	<b>06</b> By both knobs. Outside knob is locked and unlocked by stop button. Deadlocking (Guarded) Latch bolt. No key operation.	Button in front
Exit or Playcourt	47 By outside knob except when locked by inside key. From inside by knob at all times. Deadlocking (Guarded) Latch bolt.	
Hospital Room Emergency Latch	88 To keep hospital patient room door closed during fire, preventing entrance of smoke. Latchbolt retracted in normal operation, permitting push-pull operation .	Not available



\*Lever handle functions, marked by asterisk, are available in 8100 and 8200 Series. Otherwise, in 8100 Series only. Sectional trim line drawings apply to 7700 Series functions.

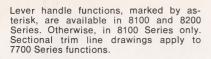
† MagnaLock functions, marked by dagger, are available in Corrosion Resistant Series 9 Line.



MORTISE LOCK	MAGNALOCK	SENTRYLOCK
Not available	† Fed. 161B	⊙
Button in face. Fed. 86E	† Turn button in inside knob. Fed. 161A	Turn button in inside knob. Fed. 160A
7745 When deadbolt is projected, outside knob is locked. Inside knob simultaneously retracts both bolts. Fed. 86A	Not available	Not available
* Fed. 86J	† 37 Fed. 161R	37 Fed. 160R
	Not available	Not available
Fed. 86EW	† Fed. 161D	Fed. 160D
Deadbolt from both sides by Key. Fed. 86C.	Deadlocking (Guarded) Latchbolt. Fed. 161G.	Not available
7725 When deadbolt is projected, outside knob is locked. Inside knob simultaneously retracts both bolts, and unlocks outside knob. Fed. 86B	Not available	Not available
Not available		
* Fed. 86N	† Fed. 161N	<b>O B Fed. 160N</b>
Not available	Not available	Not available
Not available	Not available	Not available
Inside turn lever retracts and holds bolts. Outside by cylinder, inside by SST turn or turn lever. Guarded latchbolt.	Rotating outside knob and depressing and turning button holds latchbolt retracted. Releases by touching button. By knobs both sides when latchbolt projected.	Not available

# Functions

LOCATION	OPERATION	INTEGRALOCK
Entrance & Exit	<ul> <li>10 By both handles. Dead bolt from outside by key, inside by turn lever. Inside handle retracts latch bolt and dead bolt.</li> <li>11 (Two cylinders) Similar to 10 except that dead bolt operates from inside by key.</li> </ul>	Not available
Patio or Exit	63 By both knobs. Turn button in inside knob locks or unlocked outside knob. No key operation. Deadlocking (Guarded) Latch bolt.	Not available
Exit Latch	13 By inside knob at all times. Outside knob rigid at all times. Deadlocking (Guarded) Latch bolt.	Not available
Public Toilet, Stair, Exterior	16 By key from outside. By knob from either side except when outside is locked from inside by key.  Deadlocking (Guarded) Latch bolt.	
Asylum	17 Both sides by key. Both knobs rigid at all times.  Deadlocking (Guarded) Latch bolt.	
Hotel, Motel	<b>50</b> Outside knob rigid at all times. From outside by guest key, master or grand master key, except when inside turn lever (or push button) is used. Emergency key operates at all times. Outside is equipped with indicator button.	Dead bolt by turn lever. Emergency key acts as shut-out key.
Dormitory	54 By both knobs. Locked by push button inside or key outside. Turning inside knob or closing door releases push button and unlocks outside knob, unless outside knob has been locked by key. Key outside unlocks outside knob and releases push button.	Not available
Privacy	64 By both knobs. Can be locked from inside.	Inside turn locks and unlocks dead bolt lever.
Private Toilet or Bathroom	65 By both knobs. Can be locked from inside. Emergency opening from outside. 65-2 (MagnaLock and SentryLock only) By both knobs. Can be locked from inside. Oversize emergency release in outside knob for quick entry, and non-lockout feature.	Inside by turn lever. Locks and unlocks dead bolt.
Communicating	<ul> <li>75 By both knobs. Can be locked on either side. Both sides must be unlocked for entrance.</li> <li>75-2 (MagnaLock and SentryLock only) Outside flush T-Turn, locked by inside turn button. Deadlocking (Guarded Latch bolt.)</li> </ul>	Two dead bolts operate independently by turn levers on each side.
Exit or Twin Communicating	<ul> <li>39 Blank plate outside. Key inside locks or unlocks inside knob. No outside operation. Deadlocking (Guarded) Latch bolt.</li> <li>15-3 Blank plate outside. By inside knob at all times. No outside operation. Deadlocking (Guarded) Latch bolt.</li> </ul>	Not available
Dead Lock	<ul><li>21 By outside key. By inside turn lever.</li><li>22 From both sides by key.</li></ul>	Not available
Knob Pulls	94 Double Pull. Knob both sides. No mechanical operation. 93 One side only.	H H





MORTISE LOCK	MAGNALOCK	SENTRYLOCK
	- Not available	Not available
Not available	† Fed. 161Q	⊕
Not available	† Fed. 161NX	Fed. 160NX
Fed. 86G	† Fed. 161C	Not available
Not available	€ Fed. 161W	Not available
Dead bolt by turn lever. Emergency key acts as shut-out key. 7750 Guarded Latch bolt. Fed. 86H	Inside knob releases button at all times. Special shut-out key. D e a d I o c k i n g (Guarded) Latch bolt. Fed 161H.	Inside knob releases button at all times. Special shut-out key. Deadlocking (Guarded) Latch bolt.
Not available	○	
Not available	Push button in inside knob locks outside knob. Inside knob or closing door releases button. Fed. 161P	Push button in inside knob locks outside knob. Inside knob or closing door releases button. Fed. 160P
Dead bolt by inside turn lever. Projecting deadbolt locks outside knob or handle simultaneously retracts both bolts, and unlocks outside knob or handle. Fed. 86L	Push button in inside knob locks outside knob. Inside knob or closing door releases button. Emergency outside button. Fed. 161L	Push button in inside knob locks outside knob. Inside knob or closing door releases button. Emergency outside button. Fed. 160L
Two dead bolts operate independently from either side by turn levers. Fed. 86M	Locked by turn buttons in either knob. Deadlocking (Guarded) Latch bolt. Fed. 160M	Locked by turn buttons in either knob. Deadlocking (Guarded) Latch bolt. Fed. 161M.
Not available	Not available	E 39
21 Fed. 86P Fed. 86T	Not available	Not available
Also available for rose-less trim	Single and double knob pulls, and dummy roses available for 161 cutout stock metal doors.	OJ 10

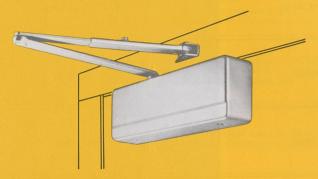
## **Door Closers**



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## 50 and 60 SERIES

Surface Mounted and Concealed



- · Sizes 2 through 5.
- Adjustable Backcheck
- Separate regulating valves for door speed and latching speed.
- Versatile mounting positions.Close-grained, high strength cast iron case.
- Nonferrous covers for both painted and plated finishes.
- · Forged steel arms.
- 60 Series (concealed) available with surface or soffit

#### SELECTION CHART

INTERIOR DOORS

maximum width of door

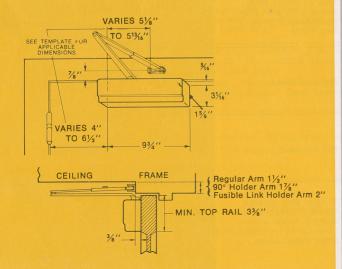
type of closer application	2'-8"	3'-4''	4'-0''	over 4'-0''
Standard, Inverted and Corner Bracket	52	53	54	55
Concealed	62	63	64	65
Parallel Arm	53	54	55	_

For light doors, such as hollow-core wood doors, the next smaller size closer may be used.

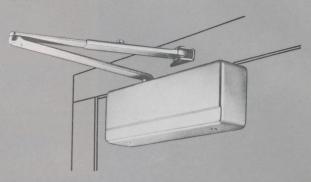
#### EXTERIOR DOORS

maximum width of door

type of closer application	2'-6"	3′-0″	3′-6″
Standard, Inverted and Corner Bracket	53	54	55
Concealed	63	64	65
Parallel Arm	54	55	-



## 150 SERIES Surface Mounted



- · Sizes 2 through 6.
- · Adjustable backcheck and backcheck selector.
- · Separate regulating valves for door speed and latching speed.
- · Versatile mounting positions.
- Adjustable spring power of a full 50%.
- · Adjustable delayed action.
- · Close-grained, high strength cast iron case.
- Nonferrous covers for both painted and plated finishes.
- · Forged steel arms.

#### SELECTION CHART INTERIOR DOORS

maximum width of door

type of closer application	2′-10″	3'-4"	4'-0"	over 4'-0"
Standard, Inverted and Corner Bracket	152	153	154	155
Parallel Arm	153	154	155	156

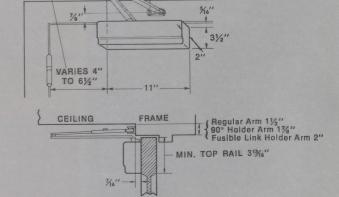
#### EXTERIOR DOORS

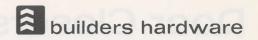
SEE TEMPLATE FOI APPLICABLE

maximum width of door 3'-2" 4'-0" closer application 2'-8" Standard, Inverted and Corner Bracket 156 155 153 156 155 Parallel Arm 154

VARIES 51/8"

TO 513/6"

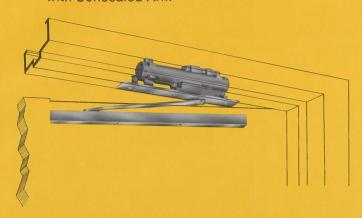




## 160 SERIES

**Overhead Concealed Mounting** 

with Concealed Arm



- Sizes 3 through 6.
- · Adjustable backcheck.
- Separate regulating valves for door speed and latching speed.
- Adjustable spring power.
- Close-grained, high strength cast iron case.
- Forged steel arms.

#### SELECTION CHART

#### INTERIOR DOORS

10

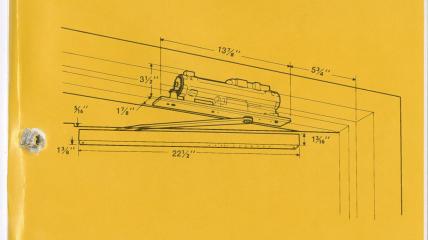
#### maximum width of door

2'-6"	3′-0″	3'-6"	4'-0''
163	164	165	166

#### EXTERIOR DOORS

#### maximum width of doo

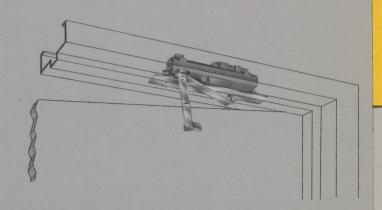
maximum width of door				
2'-6"	2'-10"	3′-6′′		
164	165	166		



## 170 SERIES

**Overhead Concealed Mounting** 

with Surface Arm



- · Sizes 2 through 6.
- · Adjustable backcheck.
- Separate regulating valves for door speed and latching speed.
- Adjustable spring power of a full 50%.
- Close-grained, high strength cast iron case.
- · Forged steel arms.

#### SELECTION CHART

#### INTERIOR DOORS

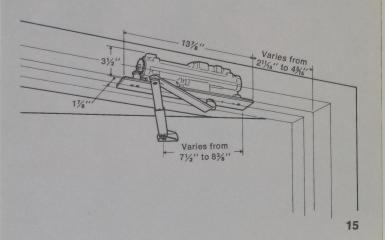
#### maximum width of door

2'-10"	3'-4"	4'-0"	over 4'-0"
172	173	174	175

#### EXTERIOR DOORS

#### maximum width of door

maximum with or door				
2'-8"	3'-2"	3'-8"	4'-0"	
173	174	175	176	

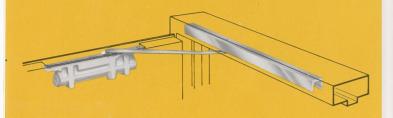


## **Door Closers**



## 660 SERIES

**Concealed Mounting** with Concealed Arm



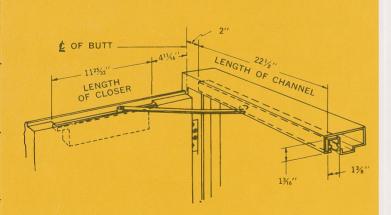
- Sizes 3 through 5.
- · Adjustable backcheck.
- Separate regulating valves for door speed and latching speed.
- Close-grained, high strength cast iron case.
- · Forged steel arms.

#### **SELECTION CHART**

INTERIOR DOORS

#### maximum width of door

2'-6''	3′-0″	3'-6''
663	664	665



## 1220, 1230, 1240 SERIES Surface Mounted



- · Reversible.
- Sizes 2 through 6.
- · Versatile mounting positions.
- Basic arm packs and conversion units for all applications.
- Adjustable spring power standard in 1240 Series.
- Backcheck feature standard in 1240 Series. Available in 1220, 1230 Series.
- · Cover standard in 1230, 1240 Series.
- Delayed action feature available in 1240 Series.

## SELECTION CHART

#### INTERIOR DOORS

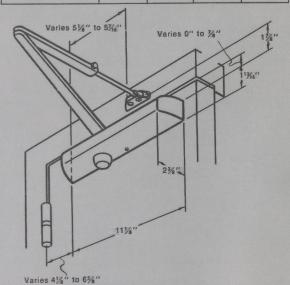
#### maximum width of door

type of closer application	2'-10"	3'-4"	4'-0''	Over 4'-0"
Standard, Top Jamb, Parallel Arm or Corner Bracket	Size 2	Size 3	Size 4	Size 5

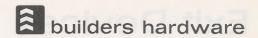
#### EXTERIOR DOORS

#### maximum width of door

type of closer application	2'-8"	3'-2"	3'-8"	4'-0"
Standard, Top Jamb, Parallel Arm or Corner Bracket	Size 3	Size 4	Size 5	Size 6







## 90 SERIES ... with chassis mounted unit construction

# A full matched line of exit devices all UL Panic Listed for Safety, including Labelled Fire Exit Hardware

Safest, easiest to operate • all finishes and functions • easiest to install and maintain • positive operating mechanism for instant release • quiet, easy closing, even at slow speeds • stainless steel pivot pins and springs • rugged construction with heavy cold drawn covers, pressure formed brass chassis, and extra heavy crossbars and arms • 3/4" throw latch bolts.

## U.L. LISTING AND LABELLING

## **U.L. Listing for Re-Examination Service**

The Underwriters' Laboratories "list" for Re-examination Service those products that have been tested successfully and where visits to the factory, one or more times yearly, by members of the Underwriters' Laboratories' staff is considered sufficient to see that the standards are being maintained. Products so listed are always identified by a stamp or mark on the product and frequently by the familiar "U.L." sticker or decal.

#### STANDARDS FOR SAFETY - PANIC HARDWARE

Exit Devices are designed "to facilitate safe egress of persons from buildings in the event of panic or other emergency".

#### U.L. REQUIREMENT — BULLETIN UL305 — Nov., 1955 ENDURANCE TEST

(1) Release mechanism should operate as intended for 100,000 cycles of operation without failure or excessive wear of the parts.

#### **EMERGENCY OPERATION TEST**

(2) Release mechanism must operate at a maximum of 50 lbs. force on the crossbar with 250 lbs. load against the door.

PANIC HARDWARE is listed for Re-examination Service in the Accident Equipment List. All Sargent 90 Series Exit Devices are listed for Panic.

## STANDARDS FOR SAFETY — FIRE DOOR ASSEMBLIES

Single Point Locks and Latches for Fire Doors are investigated only from Fire Protection viewpoint, not as Panic Hardware. For Panic Hardware see U.L. Accident Equipment List. Sargent Mortise Locks for Exit Devices are listed under Re-examination Service for Fire in the Building Material List under Hardware, Fire Door Accessories Section. Sargent Mortise Devices are also listed for Panic in the Accident Equipment List.

#### **U.L.** Label Service

The U.L. "list" for Label Service those products found to be in compliance with applicable requirements, and where frequent or continuous visits to the factory are considered necessary to maintain the standards.

#### FIRE EXIT HARDWARE

This new listing for *label* service covers Mortise Lock Devices and Vertical Rod Devices that have been investigated for both Fire and Panic.

When Fire Exit Hardware is applied at the factory to Fire Rated Doors in compliance with the established procedures, the doors bear a SUPPLEMENTARY Label "Fire Door Equipped with Fire Exit Hardware". The SUPPLEMENTARY Label bears the applicable fire rating; A (3 hour) B (1½ hour) etc. LABELLED Fire Exit Hardware may be applied to Fire Rated or Labelled Fire Doors under existing procedures, and be considered a suitable Fire Barrier but the absence of the Supplementary Label would indicate the combination of doors and hardware had not been Panic Load Tested. Sargent Mortise Devices, 12-9900, Vertical Rod Devices 12-9700, and 12-9600, and Rim Devices 12-9800 bear the Underwriters' Fire Exit Hardware Label.



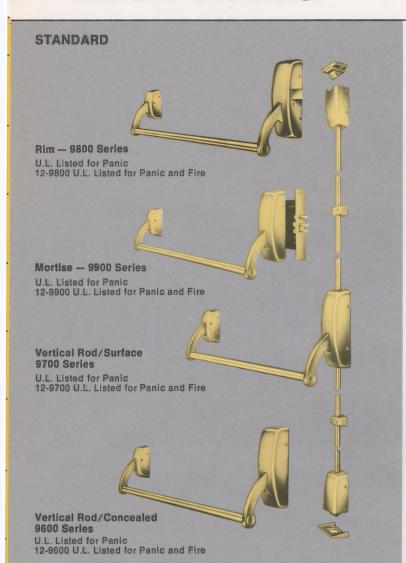
## **Exit Devices**

# FUNCTIONS

**Inside:** Slight pressure on bar retracts bolt for immediate exit. Bolts can be held retracted by locking down crossbar.

Outside Operation	Device	Fed'l. Spec.
Key retracts latch bolt.	9804 9904	810H 820H
Knob (9706 only), Thumb Piece (9762 only) or Auxiliary Control (9606 only) operative only when key is in cylinder and turned.	9606 9706 9762	
No Outside Operation. 9710 DT, 9810 DT and 9910 DT operate as outside pull when crossbar is locked down.	9610 9710 9810 9910	821* 810 820
Key locks or unlocks Knob. (Auxiliary control intead of knob for 9613)	9613 9713 9813 9913	821K* 810K 820K
No outside cylinder. Knob al- ways operative.	9715 9815 9915	
Outside key retracts latch bolt. Inside key locks or unlocks knob.	9816 9916	
No outside cylinder. Thumb piece always operative.	9728 9828 9928	
Key locks or unlocks thumb piece.	9763 9863 9963	
Outside key retracts latch bolt. Inside key locks or unlocks thumb piece.	9866 9966	

\*Order by prefixing 13 to device number



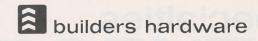


**Inside:** Slight pressure on bar retracts bolt or bolts for immediate exit. Bolts can be held retracted by locking down crossbar.

Outside Operation	Device	Fed'l Spec.
None	9310 9410 9510	
Key retracts latch bolt.	9304 9504	
Auxiliary control. Operative only when key is in cylinder and turned.	9406	
Key locks or unlocks auxiliary control (9413) or knob (9313).	9313 9413	
No outside cylinder. Knob al- ways operative.	9315	
No outside cylinder. Thumb piece always operative.	9328	
Key locks or unlocks thumb piece.	9363	







## **SPECIFICATIONS**

For Doors	. 9800 and 9700 $1\%$ to $2\%$ thick. 9900 $1\%$ to $2\%$ minimum.
Covers	Cold drawn Brass, Bronze, Aluminum, Stainless Steel. Center Case 8¾" x 2¾". Hinge Stile Case 4½" x 2¾".
Chassis	Pressure formed special alloy Brass.
Arms	Forged Brass, Bronzem Aluminum, Stainless Steel.
Crossbar	.1" Brass, Bronze, Aluminum, Stainless Steel tubing, .062" thick.
Bar Locking Device	Screw type, $\frac{1}{16}$ diameter. Pin tumbler type optional.
Bar Projection	$.4\frac{1}{2}$ " in neutral position; $2\frac{3}{4}$ " when depressed.
Handed	Not reversible, specify hand.
Latch Bolt	Extruded Brass, ¾" throw.
Cylinders	Brass, 5- or 6-pin. Maximum Security System available. 9800 and 9900 cyl- inders can be removed from device for rekeying without taking device off door.
Finishes	3, 4, 10, 10B, 10BL, 20D, 26, 26D, 28, 32, 32D.

#### TRIM

STANDARD



141/4" x 15/8" overall Projection 21/4"

STS DESIGN Standard for Brass, Bronze and Aluminum devices. Forged Brass, Bronze, Aluminum. 876 for 9804, 9904. 896 with thumb piece for 9863, 9866, 9963, 9966.



13¼" x 15%" overall Projection 2¼"

SLL DESIGN Standard for Stainless Steel Devices. Forged Brass, Bronze, Aluminum, Stainless Steel. 878 for 9804, 9904. 898 with thumb piece for 9863, 9866, 9963, 9966. 858 with T-Turn for 9706, 9713.



8" x 2½" overall Projection 2¼"

PRK DESIGN Cast Brass. Bronze. Std. for knob functions. 811 with fixed knob for 9804, 9904, 831 with active knob for 9813, active knob for 9813, 9816, 9913, 9916, 9706, 9713. Screwless escutcheon.

#### ALTERNATE



14½" x 25%" overall Projection 2¾"

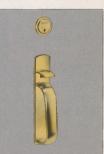
CLA DESIGN Forged Brass, Bronze. 874 for 9804, 9904. 894 with thumb piece for 9863, 9866, 9963, 9966.

projection



14½" x 25%" overall Projection 216"

MAL DESIGN Extruded Brass, Bronze, Aluminum, Stainless Steel. 818 for 9804, 9904. 838 with thumb piece for 9863, 9866, 9963, 9966. 848 with T.Turn for 9706, 9713.



13¼" x 1¾" overall Projection 2¼"

SLS DESIGN Forged Brass, Bronze, Aluminum, Stainless Steel, 875 for 9804, 9904, 895 with thumb piece for 9863, 9866 9963, 9966.

2"

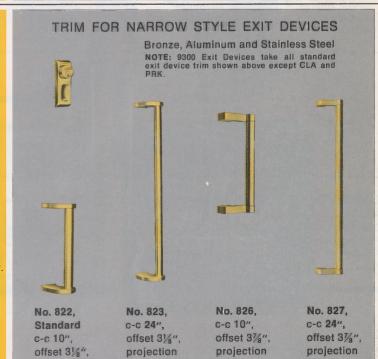
19

9400 13/4" thick. For Doors 9300, 9500 1 $\frac{3}{4}$ " to 2 $\frac{3}{4}$ " thick. Stiles can be as narrow as 1 $\frac{3}{4}$ ". For 9400, stiles must be hollow with inside dimensions of at least 11/4" x 13/8" Cold drawn Bronze, Aluminum, Stain-Covers less Steel 11/8" x 73/16 Pressure formed special alloy Brass. Chassis Forged Bronze, Aluminum, Stainless **Arms** 1" Bronze, Aluminum, Stainless Steel tubing, .062" thick. Crossbar **Bar Locking Device** Lever type, 1/16" diameter. **Bar Projection** 45/8" in neutral position; 23/4" when depressed. .9400 - Reversible. Hand 9300, 9500 - Not reversible, specify hand. Stainless Steel, 1/2" diameter. Top **Bottom Bolts (9400)** case has latch retracting button which holds bolts retracted during swing of door. Latch Bolt (9300) Extruded Brass, 3/4" throw Unique design protects against illegal entry, affords greater security in nar-Latch Bolt (9500) row stile doors. 9300, 9400 — Brass, Type 40, 5 or 6 pins 9500 — Brass, Rim Type, 5 or 6 pins Maximum Security System available Cylinder

for both series.

10, 28, 32D.

**Finishes** 



# **Specialties**

#### SERIES 115 HOSPITAL LATCH





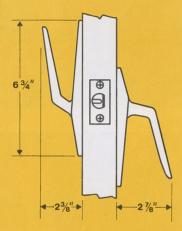
#### **PUSH... PULL OPERATION**

Series 115 Hospital Latches are engineered for ease of use, by a slight nudge or gentle pull. With slimly tapered, contoured handles, they possess all the elements of tasteful, yet functional design.

Series 115 Latches have a standard backset of 5". A 7" backset is available on order (specify 26-115).

#### **SPECIFICATIONS**

Bronze, Stainless Steel Bolt . . . Brass, ½" throw. Strike . . . ASA A115.3 strike, with friction-reducing inner lip, packed standard.



### OVERHEAD DOOR HOLDERS AND STOPS



590, 1540 SERIES SURFACE APPLIED 690, 1530 SERIES CONCEALED

## MAGNAMATIC® DOOR HOLDER

An electromagnetic wall or floor mounted device for use with self-closing fire and smoke barrier doors. Upon any interruption of current, activation of any fire detection system or by manual switch, doors are released for simultaneous closing.





1501 — For 120 volts AC, 60 cps; 3 watts 1503 — For 24 volts DC or AC, 60 cps; 3 watts

### SMOKE SWITCH, NO. 1511

A highly sensitive automatic switching device for the remote operation of door releases, alarm signals or ventilating equipment.

.120 volts AC, 60 cps .SPDT (1 Form C) 1.0 Ampere @ 120 volts AC

#### PULLS

3140 SLL 13<sup>1</sup>/<sub>4</sub>" x 1<sup>5</sup>/<sub>8</sub>" Extruded

Extruded Brass, Bronze, Aluminum, Stainless Steel



3140 SLS 9%" x 15%" Extruded Brass, Bronze, Aluminum, Stainless Steel



3135 PMC 15" x 3½" Cast Brass, Bronze

Push Plate 3015 PMC



1300 SERIES AUTOMATIC DOOR HOLDERS AND STOPS

Wall and floor types. Chassis mounted, with adjustable holding force.



STOPS
AND
BUMPERS
Complete
line for all



line for all applications, with or without hooks.

3327 9½" x 1" Cast Brass, Bronze, Aluminum, Stainless Steel



3135 MAB

14" x 3½" Extruded Brass, Bronze, Aluminum, Stainless Steel

Push Plate 3015 MAB



HOSPITAL

3310 8¾" x 1¾" Forged Brass, Bronze, Aluminum, Stainless Steel



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DOOR KNOB AND WALL BUMPERS

Convex and Concave Rubbers, Surface or Concealed Mounting.

#### OTHER PRODUCTS

Auxiliary Door Holders • Auxiliary Locks • Chain Door Guards • Door Silencers • Flush Bolts • Hand Rail Brackets • Kick Plates • Push and Pull Bars • Residential Locks and Latches • Plier-Type Hand Tools



SARGENT



SARGENT AND COMPANY • 100 SARGENT DRIVE • NEW HAVEN, CONN. 06509

Form No. SW-1972

Litho in U.S.A

