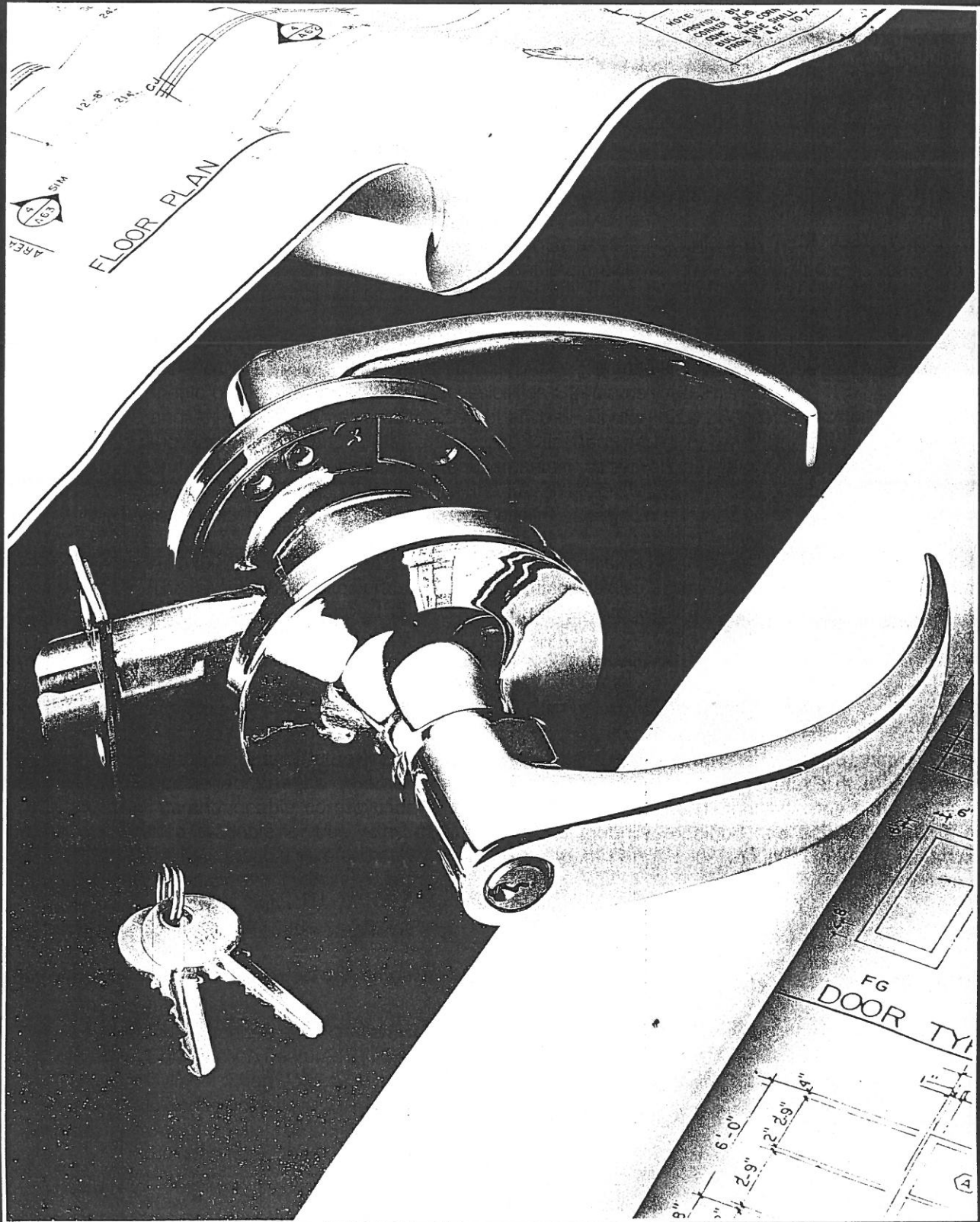


Yale®

Yale Security Inc.

♿ 5400LN SERIES CYLINDRICAL LOCKSET PROVIDES EASE OF ENTRY FOR HANDICAPPED AND DISABLED





Yale Security Inc.

INTRODUCTION / INDEX

Introduction

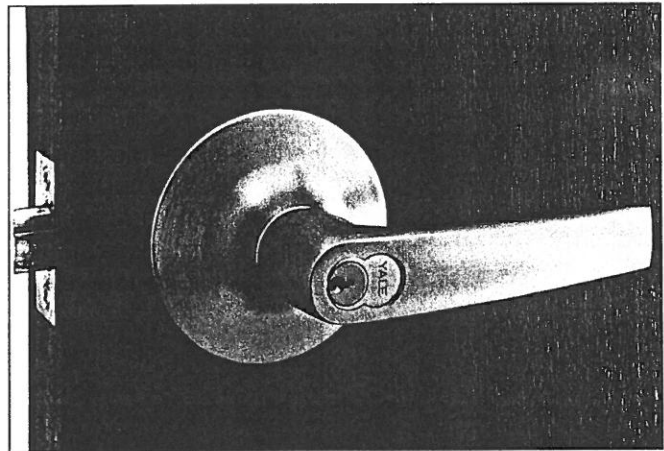
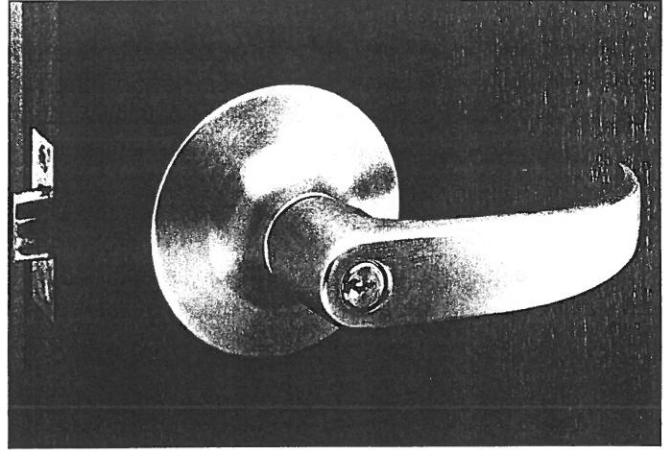
Yales' 5400LN Heavy Duty Cylindrical Key-In-Lever lockset provides ease of accessibility for handicapped persons and those with disabilities. All three available lever designs are easy to grip and depress for entry.

The 5400LN lockset offers virtually the finest cylindrical lock mechanism available. Designed for industrial, commercial, and institutional use, the 5400LN Series features rugged construction with independent lever return springs to prevent lever sag.

The 5400LN meets accessibility guidelines of the Americans With Disabilities Act (A.D.A.) and the requirements of the Uniform Federal Accessibilities Standards and ANSI 117.1 which require ease of accessibility for the handicapped and disabled. Also, the Yale Augusta and Pacific Beach designs meet requirements of certain local building codes which call for the lever design to return within 1/2 inch of the door surface.

All 5400LN locksets, in all functions, are uniform in size. This simplifies architectural specifications and installation procedures. Since the 5400LN is self-aligning, installation costs may be substantially reduced. It may be used to retrofit existing bored locksets with a 2-3/4" backset.

All three lever designs are capable of accepting a standard 6 or 7-pin 1802 cylinder. They may also be specified to accept the Yale 1210 6-pin, or 1220 7-pin interchangeable core cylinder. The 5400LN Series is also available for use with Schlage cylinders or Best interchangeable core cylinders (see page 11 for detailed information).

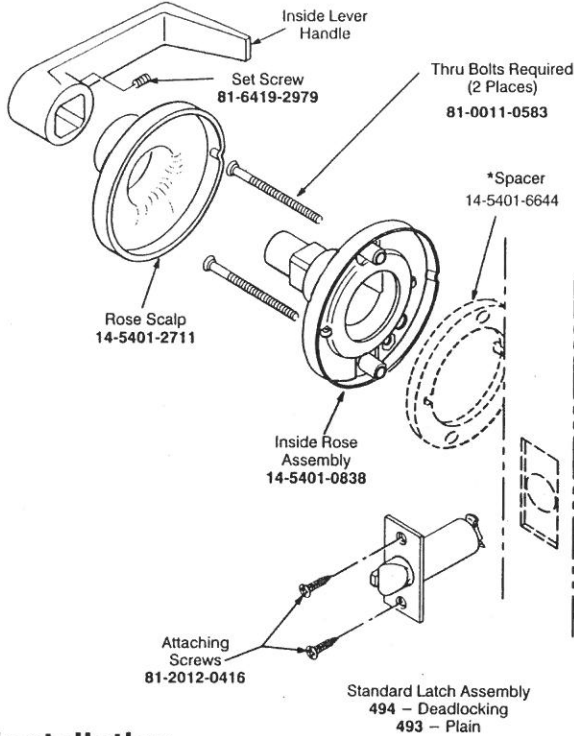


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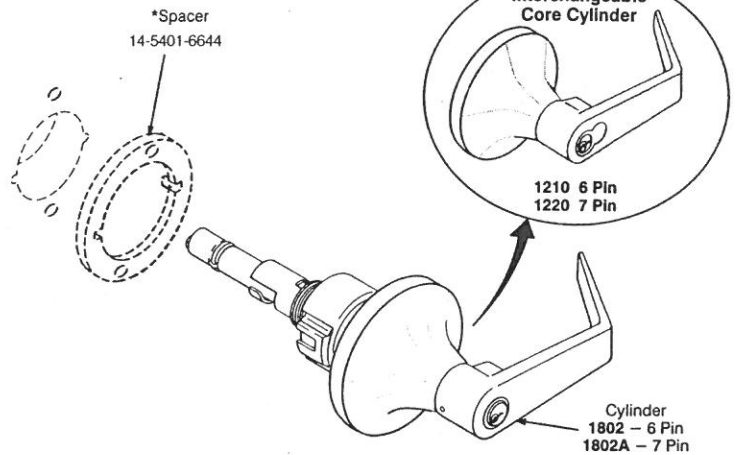
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CONSTRUCTION FEATURES



- Mounting plate for chassis stability.
- Meets and exceeds ANSI torque test for levers.
- Free wheeling lever handles when locked.
- 1/2" latchbolt projection.
- Cylinder: 6 pin standard; 7 pin also available. Also available with high security cylinder.
- Independent lever return springs.
- AU and PB levers meet California return standard.

*Spacers Required for 1-3/8" Thick Door Only



Installation

Uniform, regardless of function. The latch unit requires a 1" hole in edge of door and the lockset requires a 2-1/8" hole through the door.

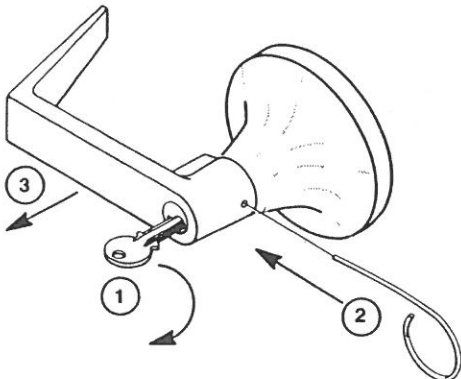
Screws for front: Phillips, flat head No. 8-8-32 x 3/4". For both wood and metal doors.

Screws for strikes: Regularly supplied are Phillips, flat head No. 8-8-32 x 3/4" (except 497, 497B and 499 require Phillips flat head No. 12-12-24 x 1").

Cylinder Removal: Outside lever removable (see below) for cylinder access. (Applies to Yale standard and high security 6 and 7 pin and Schlage 6 pin cylinders only.)

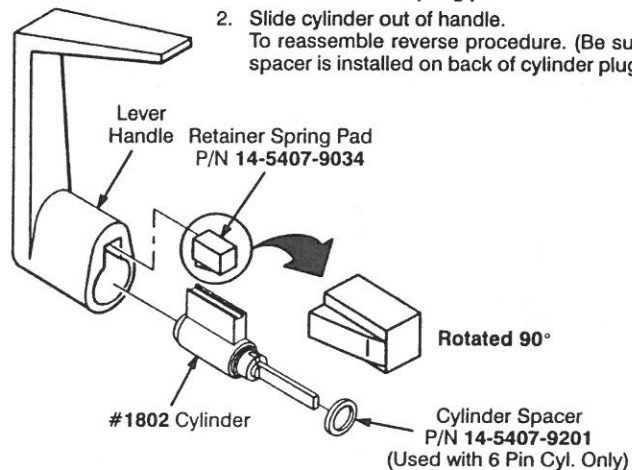
To Remove Cylinder Handle

1. Insert key and rotate clockwise 45°.
2. Depress retainer with tool provided.
3. Slide lever off lock. (Also applies to inside lever of 5417LN, 5421LN and 5430LN lock functions.)



To Remove Cylinder from Handle

1. Remove retainer spring pad.
2. Slide cylinder out of handle. To reassemble reverse procedure. (Be sure spacer is installed on back of cylinder plug.)





Yale Security Inc.

SPECIFICATIONS

Specifications

The 5400LN lock mechanism is constructed of heavy gauge cold rolled steel. All parts are zinc plated and dichromated to assure maximum protection from rust or corrosion. Recommended for use under normal climatic and environmental conditions.

Door Thickness: Wood & Metal doors adjustable from 1-3/4" to 2-1/4". Can be used on 1-3/8" thick doors by adding 2 spacer plates P/N 14-5401-6644 (available black finish only).

Backset: Standard 2-3/4". To order, 3-3/4". Extension links for 5".

Reversibility: For either right or left hand doors swinging in or out.

Case: 2-1/16" diameter. All functions furnished in one standard size lock case.

Latchbolts (1/2" Throw Only)		
Backset	Plain	Deadlocking
2-3/4"	493	494
3-3/4"	3493	3494

ANSI A 117.7 Specifications for Making Buildings and Facilities Accessible to and Usable by the Physically Handicapped

This specification calls for doors to dangerous areas to be identified to the touch to blind persons. To meet this requirement, lever handles are available with an abrasive coating.

As standard, only the outside lever will be abrasive coated unless specified otherwise. To order a complete lockset abrasive coated, suffix the lockset list number with "Abrasive Coated"; i.e., AU5407LN x "Abrasive Coated", MO5405LN x "Abrasive Coated".

Cylinders, Conventional: 1802 6 pin cylinder standard.

Cylinders, Interchangeable Core: 1210 6 pin interchangeable core standard; for optional cylinders and applications see Cylinder chart, page 11.

Keying: KD through GGMK; construction master keying available.

Front: Standard, bevel 1/8" in 2". Flat front to order.

Combination screws regularly supplied.

Underwriter's Laboratory Listings

5400LN Series Locksets have been listed by Underwriter's Laboratories, Inc. for use on fire doors having a rating up to and including 3 hours. These locksets are available with 1/2" throw latchbolts for use in all classes of locations when applied to hollow metal, metal-clad (Kalamein), composite (with steel and other coverings) and sheet metal type fire doors. It is advisable to check with local code authorities, the "Building Materials Directory" published by UL, and the door manufacturer for specific hardware requirements. Underwriters' Laboratories does not list locks with abbed fronts or hold-back features on the latchbolt.

ANSI Function Comparison

ANSI Standards – Yale 5400LN Series Locksets conform to ANSI Spec A 156.2, Series 4000; Grade 1.

Yale Lockset Number	ANSI Function Number	ANSI Application Description
5401LN	F75	Passage or Closet Latch
5402LN	F76	Privacy, Bedroom or Bath Lock
5403LN	F77	Patio or Privacy
5404LN	F82	Entry Lock
5405LN	F86	Store Room or Closet Lock
5406LN	F92	Service Station Lock
5407LN	F81/F82	Entrance or Store Room Lock
5408LN	F84	Classroom Lock
5409LN	F89	Exit Latch
5417LN	F88	Apartment, Exit or Public Toilet Lock
5421LN	F80	Communicating Lock
5422LN	F90	Dormitory Function
5425LN	–	Privacy Lock
5428LN	–	Exit Latch
5429LN	–	Communicating or Closet Latch
5430LN	F87	Utility, Asylum or Institutional Lock

Lockset Finishes

When ordering specify finish by US symbol only.

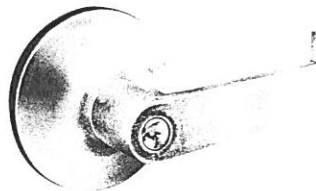
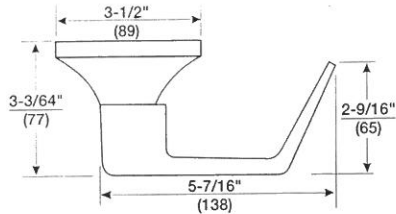
US Symbol	ANSI Symbol	Description
US3	605	Bright Brass, Clear Coated
US4	606	Satin Brass, Clear Coated
US10	612	Satin Bronze, Clear Coated
US10B	613	Satin Bronze, Oxidized and Oil Rubbed
US26	625	Bright Chrome Plate
US26D	626	Satin Chrome Plate

Split Finishes – When Locksets with different trim finishes on each side are required, specify outside finish first and suffix by inside trim. Example: PB5401LN US3 x US26. Front and Strike finish to match inside trim unless otherwise specified.

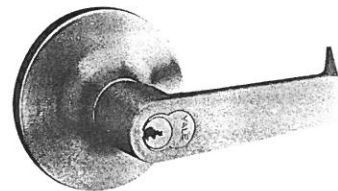
LEVER DESIGNS

Augusta AU, *B-AU

AU Lever: Cast Solid
Rose: Cold forged Brass, Bronze



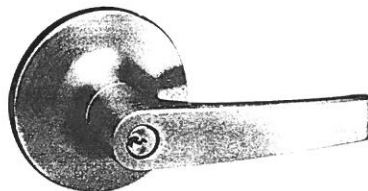
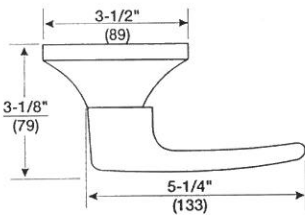
AU



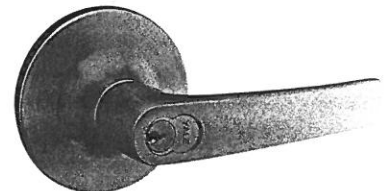
AU**

Monroe MO, *B-MO

MO Lever: Cast Solid
Rose: Cold forged Brass, Bronze



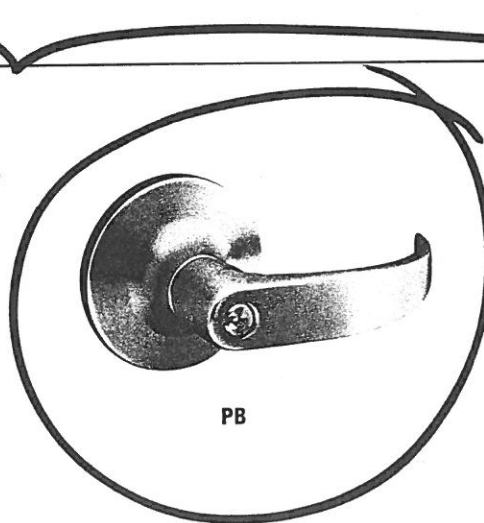
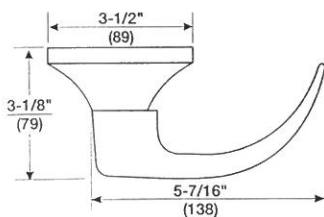
MO



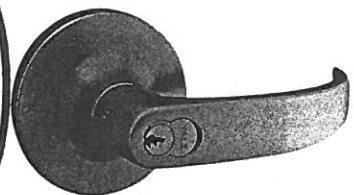
MO**

Pacific Beach PB, *B-PB

PB Lever: Cast Solid
Rose: Cold forged Brass, Bronze



PB



PB**

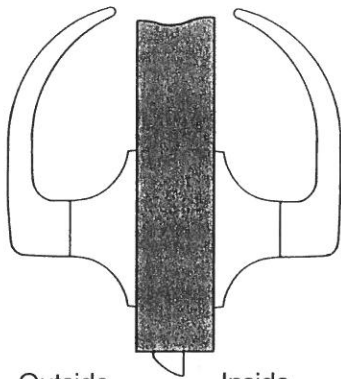
*Lever design symbol for use with Best Cylinders.
 Dimensions are shown in Inches (Millimeters).

**See page 8 to order interchangeable core cylinder.

FUNCTIONS

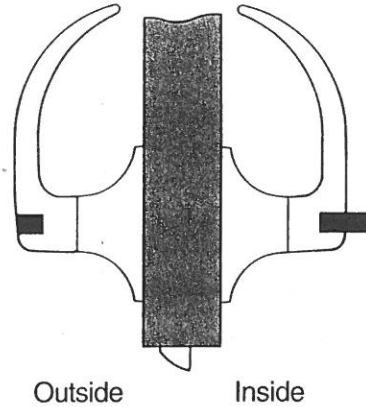
5401LN Passage or Closet Lock

- For doors that do not require locking.
- Either lever operates latchbolt at all times.



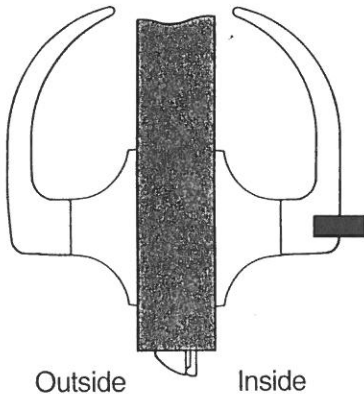
5402LN Privacy Bedroom or Bath Lock

- For lavatory or other privacy doors.
- Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*
- Button automatically releases when inside lever is turned or door is closed.
- Emergency release in outside lever. Emergency key supplied.
- Inside lever always active.



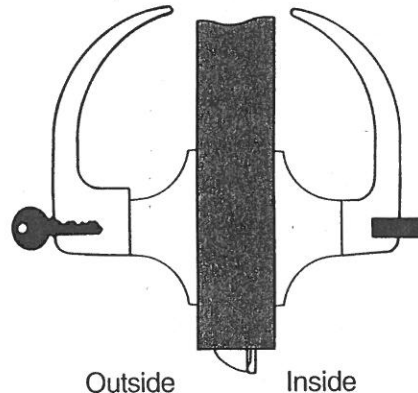
5403LN Patio or Privacy Lock

- For exit doors with limited entry.
- Deadlocking latchbolt.
- Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*
- Button automatically releases when inside lever is turned or door is closed.
- Inside lever always active.



5404LN Entry Lock

- For entrance of office doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when outside lever is locked from inside).*
- Pushing button in inside lever locks outside lever. (Automatically releases when inside lever is turned or key is rotated in locked outside lever.)
- Latchbolt is operated by key in outside lever or by rotating inside lever.
- Inside lever always active.

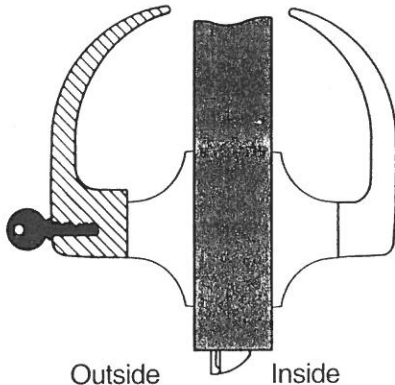


*Lever handles are free wheeling in locked position.

FUNCTIONS

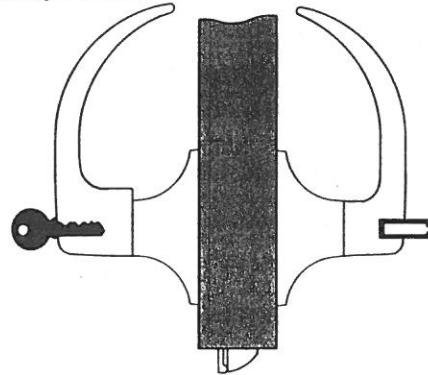
5405LN Storeroom or Closet Lock

- For use on storeroom, utility, exit doors.
- Deadlocking latchbolt.
- Latchbolt operated by lever inside, key in outside lever.
- Outside lever always locked.*
- Inside lever always active.



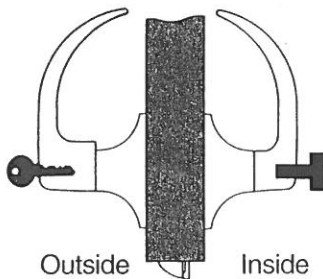
5406LN Service Station Lock

- Deadlocking latchbolt.
- Either lever operates latchbolt.
- Pushbutton in inside lever locks outside lever (Automatically releases when inside lever is turned, door is closed or key is rotated in outside lever, except when slotted pushbutton is rotated 90° clockwise to retain outside lever in locked position.)*
- Latchbolt operated by key in outside lever, inside lever always active.



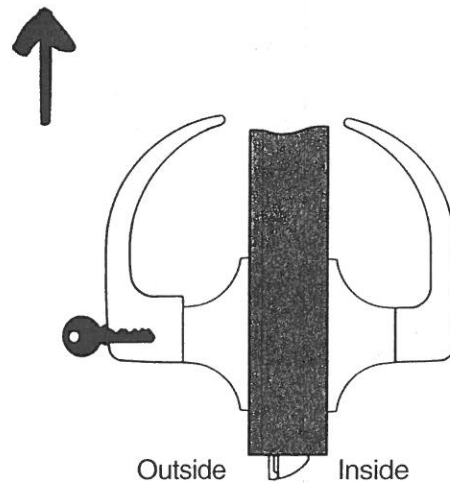
5407LN Entrance or Corridor Lock

- For entrance, general home or office doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when outside lever is locked from inside).*
- Pushing turn button in inside lever locks outside lever. (Automatically releases when inside lever is turned or key is rotated in locked outside lever.)
- Outside lever may be retained in locked position by pushing and rotating turn button 90° clockwise to a horizontal position; not released until turn button is manually returned to the vertical position.
- Latchbolt is operated by key in outside lever or by rotating inside lever.
- Inside lever always active.



5408LN Classroom Lock

- For classroom or utility room doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when outside lever is locked by key).*
- Inside lever always active.
- Key releases outside lever.

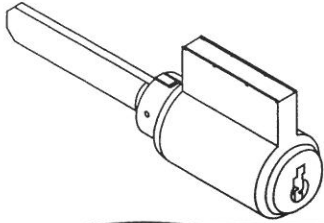


*Lever handles are free wheeling in locked position.

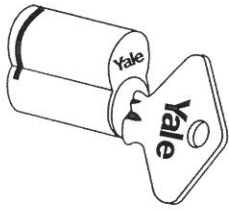
CYLINDERS

5400LN

Standard Cylinders

Illustration	List Number	Number of Pins
	1802	6
	1802S	6
	1802A	7

Interchangeable Core Cylinders

Illustration	List Number	Number of Pins
	1210	6
	1220	7

Security Cylinders

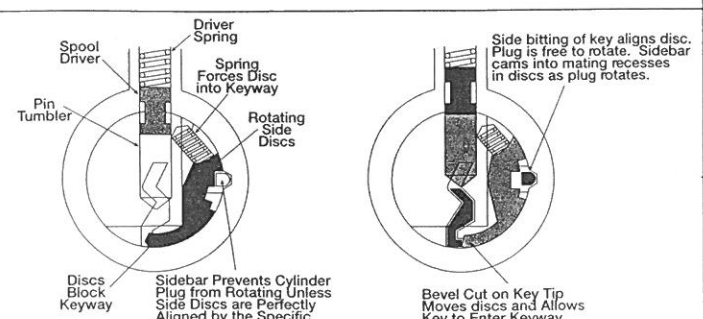
The patented Yale Security Cylinder (Patent No. 4638651) contains two independent locking mechanisms. The first is a traditional 6 or 7 pin tumbler mechanism with spool drivers for greatly increased picking resistance.

The second is an innovative 5 tumbler rotating disc mechanism with

sidebar engagement. The rotating discs are spring loaded and block the bottom of the keyway. Only a specially cut key will move the discs and allow entrance of the key. This key has special side biting and must align all five discs perfectly before the cylinder plug will rotate to open the lock.

This cylinder is virtually pick proof, because the unlocking mechanisms must be activated in two directions.

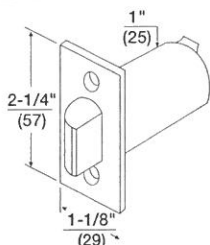
In addition to the mechanical security offered by these cylinders, Yale provides a number of security controls. Only the "GST" and "VYZ" family of surety keyways are assigned to these cylinders.

Illustration	List Number	Description	Number of Pins
	5802	Security Standard	6
	5802A	Security Standard	7
	5210	Security Removable Core	6
	5220	Security Interchangeable Core	7

LATCHBOLTS/STRIKES

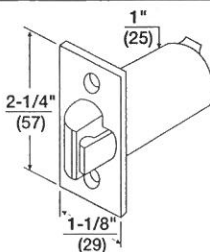
5400LN

Plain Latchbolts



List No.	Front	Backset	Throw	Front Width	Latch Diameter
F693	Flat	2-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
F478A	Flat	2-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)
693	Bevelled	2-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
478A	Bevelled	2-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)
3693	Bevelled	3-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
3478A	Bevelled	3-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)

Deadlocking Latchbolts



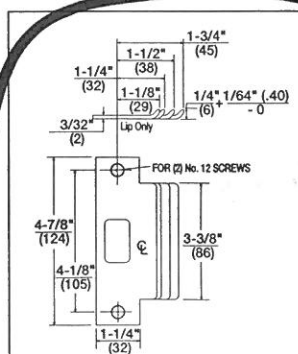
List No.	Front	Backset	Throw	Front Width	Latch Diameter
F694	Flat	2-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
F480B	Flat	2-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)
694	Bevelled	2-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
480B	Bevelled	2-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)
3694	Bevelled	3-3/4"	1/2"	1-1/8" (29mm)	1" (25mm)
3480B	Bevelled	3-3/4"	3/4"	1-1/8" (29mm)	1" (25mm)

Strikes

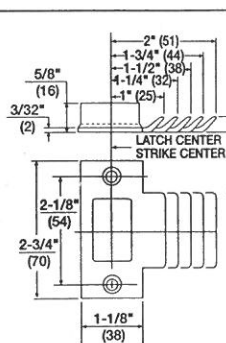
Yale 5400LN Locksets are supplied standard with a 497 ANSI strike. A variety of optional strikes are also available. All strikes are located on the same vertical and horizontal

center lines as the latchbolt. Some strikes are available in a variety of lip lengths to accommodate varying thickness of doors and frames. To determine the proper length of the

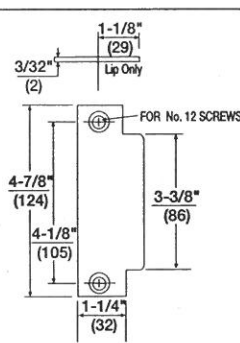
lip, measure from the center line of the door to the edge of the jamb and add 1/4" (6mm). All strikes are reversible.



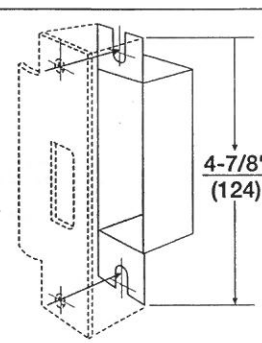
List No. 497 ANSI Strike 1-1/4" supplied standard with 5400LN. 1-1/8", 1-1/2", and 1-3/4" lip lengths available by special order. For door and frames with ANSI A115.2 preparations.



List No. 495 Strike 1-1/4" curved lip, wrought box supplied. 1", 1-1/2", 1-3/4" and 2" curved lip lengths available by special order.



List No. 497B Blank ANSI Strike available to special order. Installed in frame with standard ANSI A115.2 preparation to replace the strike when the lockset has been removed from the door.



List No. 202 Strike Box available to special order. Specify 497 x 202.

Attaching Screws

For List No. 495
#8-8-32 x 3/4" (19mm) Phillips Flat Head Combination Wood and Machine Screws. **P/N 81-2012-0416**

For List Nos. 497 and 497B Plate
#12-12-24 x 1" Phillips Flat Head Combination Wood and Machine Screws. **P/N 81-2012-0620**

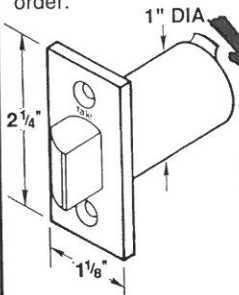
NOTE: When ordering strike or attaching screws individually, specify the finish required; i.e. 497 x 202 x US4.

LATCHBOLTS

5400/5500 SERIES

Plain Latchbolts (5400 SERIES)

Standard Plain Latchbolt List No. 493 supplied standard with all 5400 Series Lockset without locking function. List No 493 Latchbolt has a 2-1/4" x 1-1/8" Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw. Optional latchbolts with a greater backset/throw available to special order.

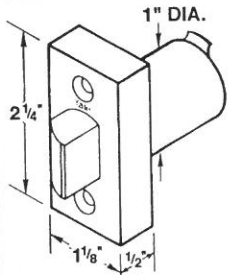


List No.	Front†	Backset	Throw
493	Beveled	2-3/4"	1/2"
3493	Beveled	2-3/4"	1/2"
478	Beveled	2-3/4"	5/8"
3478	Beveled	2-3/4"	5/8"
478A*	Beveled	2-3/4"	3/4"
3478*	Beveled	2-3/4"	3/4"

* Nylon Anti-Friction insert in bolt face.

Plain Rabbeted Latchbolt (5400 SERIES)

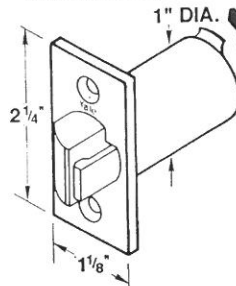
Optional Plain Latchbolt for 5400 Series locksets when installed on rabbeted doors and frames. Latchbolt has a 2-1/4" x 1-1/8" x 1/2" Rabbet Front with a 2-3/4" Backset and a 1/2" Bolt Throw.



List No.	Front†	Backset	Throw
493-1/2	1/2"	2-3/4"	1/2"
	Rabbet		

Deadlocking Latchbolts (5400 SERIES)

Standard Deadlocking Latchbolt List No. 494 supplied standard with all 5400 Series Locksets with locking function. List No. 494 Deadlocking Latchbolt has a 2-1/4" x 1-1/8" Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw. Optional latchbolts with a greater backset/throw available to special order.

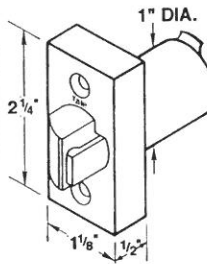


List No.	Front†	Backset	Throw
494	Beveled	2-3/4"	1/2"
3494	Beveled	3-3/4"	1/2"
480	Beveled	2-3/4"	5/8"
3480	Beveled	3-3/4"	5/8"
480B*	Beveled	2-3/4"	3/4"
3480*	Beveled	3-3/4"	3/4"

* Nylon Anti-Friction insert in bolt face.

Deadlocking Rabbeted Latchbolt (5400 SERIES)

Optional Deadlocking Latchbolt for 5400 Series lockset when installed on rabbeted doors and frames. Latchbolt has a 2-1/4" x 1-1/8" x 1/2" rabbet front with a 2-3/4" backset and a 1/2" Bolt Throw.

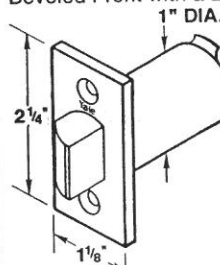


List No.	Front†	Backset	Throw
494-1/2	1/2"	2-3/4"	1/2"
	Rabbet		

Note: When 5400/5500 Series Locksets are required for vertical latching, specify downset application on the order.

Plain Latchbolt (5500 SERIES)

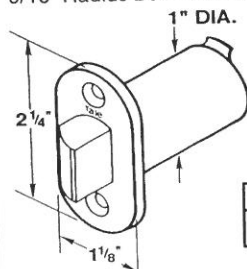
Standard Plain Latchbolt List No. 593 supplied standard with all 5500 Series lockset without locking function. Latchbolt has a 2-1/4" x 1-1/8" Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw.



List No.	Front†	Backset	Throw
593	Beveled	2-3/4"	1/2"

Plain Marine Latchbolt (5500 SERIES)

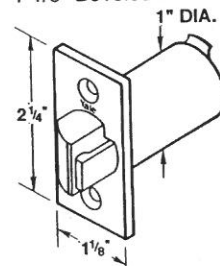
Optional Plain latchbolt for 5500 Series locksets without Locking function when installed in marine applications. Latchbolt has a 2-1/4" x 1-1/8" x 9/16" Radius Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw.



List No.	Front†	Backset	Throw
593M	Beveled	2-3/4"	1/2"

Deadlocking Latchbolt (5500 SERIES)

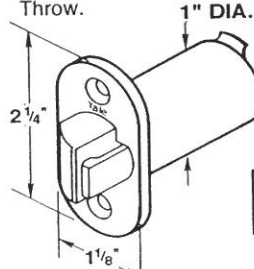
Standard Deadlocking Latchbolt List No. 594 supplied standard with all 5500 Series Locksets with locking function. Latchbolt has a 2-1/4" x 1-1/8" Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw.



List No.	Front†	Backset	Throw
594	Beveled	2-3/4"	1/2"

Deadlocking Marine Latchbolt (5500 SERIES)

Optional Deadlocking Latchbolt for 5500 Series Locksets with locking function when installed in marine applications. Latchbolt has a 2-1/4" x 1-1/8" x 9/16" Radius Beveled Front with a 2-3/4" Backset and a 1/2" Bolt Throw.

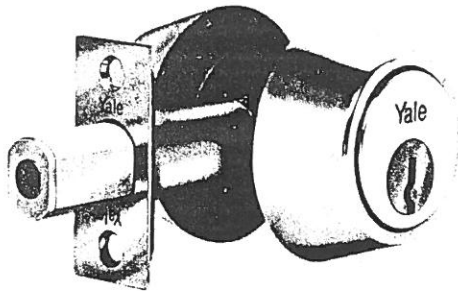


List No.	Front†	Backset	Throw
594M	Beveled	2-3/4"	1/2"

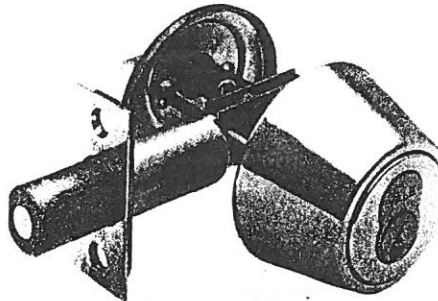
† Latchbolt front must be flush with the edge of the door. To order a latchbolt with a flat front, prefix the latchbolt list number with the letter "F", i.e. LF5407x494, LF5407x494M.

AUXILIARY BORED DEADBOLTS

3300/3400 Series Deadbolts



3300 Series



3400 Series

Non-Handed: Can be installed on doors of either hand.

Door: Simple bored-hole installation, standard application 1-3/4" thick, square or beveled doors, opening in or out. Kits available for doors up to 2-1/2" thick.

Door Preparation: Can be installed on metal doors prepared to ANSI A115.13 Specifications.

Cross Bore Wood Doors: Standard - 1-5/8" diameter; Optional - 2-1/8" diameter (required No. 675 Adapter Ring Kit).

Edge Bore: 1" diameter.

Front Plate: See chart for details, rectangular fronts adjustable from flat to 1/8" bevel. Brass or bronze material finished to match trim.

Front Plate Suffix*	Front Plate Size*
A	2-1/4" x 1"
B	2-1/4" x 1-1/8"
C	2-1/4" x 1 x 1/4" R
D	1" Diameter Round

* Suffix the List Number with one of the letters to order the front required.

Deadbolt: 1" throw, 5/8" wide x 3/4" high extruded brass with 3/8" diameter hardened armor pin to resist sawing.

Deadbolt Assembly: Features toggle action lever; bolt cannot be pried back when locked. Operates smoothly by key or thumbturn. Mechanism steel, zinc-plated and dichromated.

Cylinder Wrench Ring: Tapered to resist wrenching; rotates freely to eliminate twisting the cylinder out of the door. High density, rust resistant alloy with brass or bronze scalp.

Connecting Screws: High-tensile strength steel, phillips head.

Nonremovable Connecting Screws: For added security on cylinder x cylinder and blank plate x cylinder functions, one way nonremovable screws are also supplied in addition to regular connecting screws.

Blank Plate: Brass and bronze, part no. 14-3342-0100.

Thumbturn and Rose: Thumbturn, high density, rust resistant alloy plated, brass or bronze; rose, steel reinforced; List No. 1713B.

Blank Rose: Brass or bronze; steel reinforced; List No. 1713C.

Strikes: #541 standard; #542, 543 or 545 available to order; finished to match trim.

Strike Reinforcer: #544 for use with #542 strike available to order.

Strike Boxes: Available to order. List No. 31S, stainless steel for #542 strike; List

No.109, steel for #541 and #543 strikes. List No. 202 for #545 strike.

Finishes: Available in the following plated finishes: US3, US4, US9, US10, US10B, US26, US26D, DY80, DZ80 and 1946 (simulated US32D).

Packaging: One deadbolt to a shelf box including strike, keys, screws and installation instructions/template. Not available in Visual Pack Display packaging.

3300 Series

Cylinder/Keying: Standard brass cylinder(s), 6 pin tumbler, 5 pins active. Two RB8 keys x E1R (PARA) section. Available Keyed Different or Keyed Alike. To special order available through GGMK keying. RN8 and RN11 keys available with all surety key sections.

Cylinder Housing: Sintered steel with brass or bronze scalp.

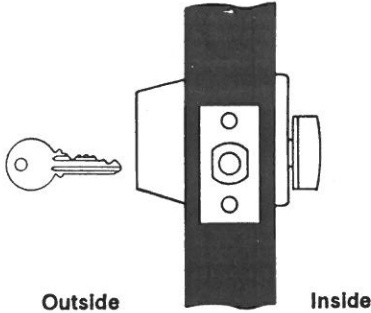
3400 Series

Cylinder/Keying: Uses interchangeable cores #1210 (6 pin), #1220 (7 pin). Available to special order Keyed Different, Keyed Alike through GGMK keying. RN11 and RN117 keys available with all surety key sections.

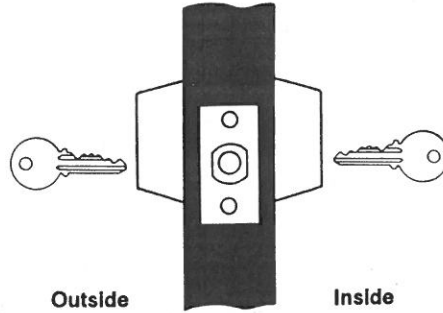
Cylinder Housing: High density, rust resistant alloy with brass or bronze scalp.

AUXILIARY BORED DEADBOLTS

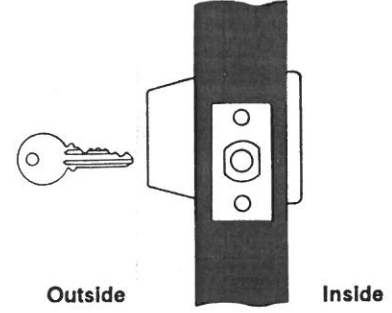
3300/3400 Series



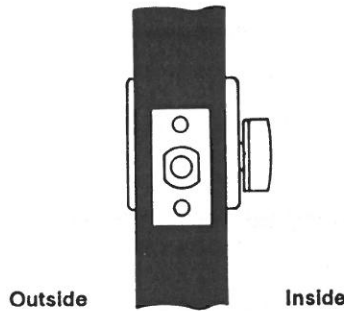
Cylinder x Thumbturn: Deadbolt operated by key outside, thumbturn inside, 3310/3410 Series.



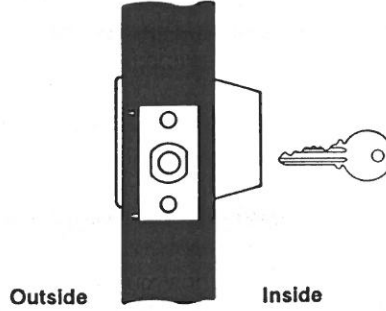
Cylinder x Cylinder: Deadbolt operated by key outside, key inside, 3320/3420 Series.



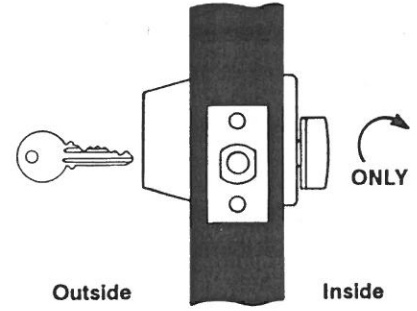
Cylinder x Blank Rose: Deadbolt operated by key outside only, 3330/3430 Series.



Blank Plate x Thumbturn: Deadbolt operated by thumbturn inside only, 3340 Series.



Blank Plate x Cylinder: Deadbolt operated by key inside only, 3350/3450 Series.



Cylinder x School Thumbturn: Deadbolt operated by key outside, deadbolt retracted by thumbturn inside. Thumbturn will not project deadbolt, 3360/3460 Series.

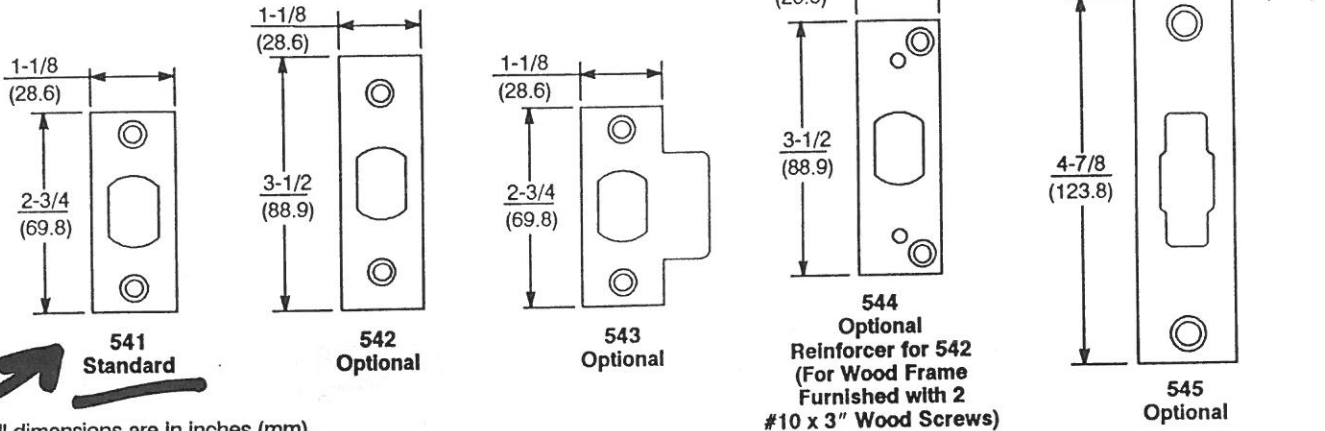
3300/3400 Series List Numbers

Function	Backset	ANSI Number A156.5	List Number*
Cylinder x Thumbturn	2-3/8"	E2151	3311/3411 (A) (B)
	2-3/4"		3312/3412 (A) (B)
*Cylinder x Cylinder	2-3/8"	E2141	3321/3421 (A) (B)
	*2-3/4"		3322/3422 (A) (B)
Cylinder x Blank Rose	2-3/8"	E2161	3331/3431 (A) (B)
	2-3/4"		3332/3432 (A) (B)
Blank Plate x Thumbturn	2-3/8"	E2191	3341/ - (A) (B)
	2-3/4"		3342/ - (A) (B)
Blank Plate x Cylinder	2-3/8"	E2101	3351/3451(A) (B)
	2-3/4"		3352/3452(A) (B)
*Cylinder x School Thumbturn	2-3/8"	E2171	3361/3461(A) (B)
	*2-3/4"		3362/3462(A) (B)

* Suffix the List Number with one of the Letters to order the front required.

AUXILIARY BORED DEADBOLT COMPONENTS

3300/3400 Series Strikes/Reinforcer



All dimensions are in inches (mm).

Adapter Kits

For Thick Doors (Up to 2-1/2" thick)
Kits include longer connecting screws and longer connecting bars.

3300 Series

- #669A - Cylinder x Thumbturn and Cylinder x Blank Rose
- #670A - Cylinder x Cylinder

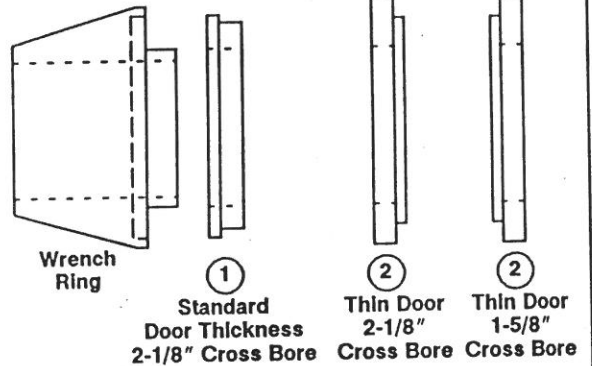
3400 Series

- #669A - Cylinder x Thumbturn and Cylinder x Blank Rose
- #670B - Cylinder x Cylinder

Adapter Rings (3400 Series Only)

Use 1 or 2 per lock depending on function.

- ① Ring No. 14-3411-1010 is used for 1-3/4" or thicker doors when the cross bore is 2-1/8".
- ② Ring No. 14-3411-1012 is used for 1-3/8" thick doors for either 1-5/8" or 2-1/8" cross bore.



Adapter Ring Kits (3300 Series Only)

List No. 672 For 1-3/8" (35mm) Thick Door (Cylinder x Thumbturn).

Place 2 rings between the wrench ring and door surface. Rings are NOT required on the thumbturn side of the door.

List No. 674 For 1-3/8" (35mm) Thick Door (Cylinder x Cylinder).

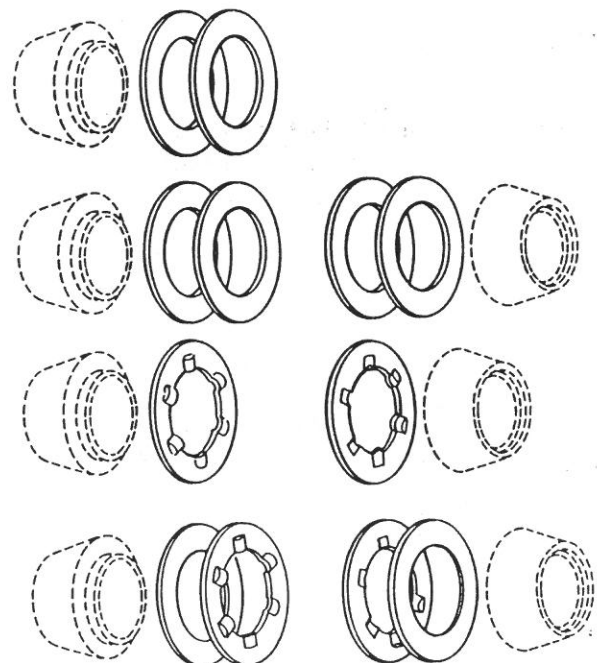
Place 2 rings between the wrench ring and door surface on both sides of the door.

List No. 675 For 1-3/4" (45mm) Thick Door with 2-1/8" (54mm) Crossbore.

Place 1 ring, with lugs engaged into crossbore, between the wrench ring and door surface. Rings are NOT required on the thumbturn side of the door.

List No. 672/675 Combination For 1-3/8" (35mm) Thick Door with 2-1/8" (54mm) Crossbore.

Place 1 plain ring and 1 stepped ring, with lugs engaged into crossbore, between the wrench ring and door surface. Rings are NOT required on the thumbturn side of the door.



VON DUPRIN® 88 Fire Exit Rim Mortise



268



88-F fire exit rim devices for all types of 4' × 8' (1219mm × 2438mm) single and 8' × 8' (2438mm × 2438mm) double doors with 9954 mullion, UL listed, 3 hours.

FEATURES

- Field sizeable
- Latch bolt deadlocking
- 3/4" (19mm) throw latch bolt
- Five popular finishes

DIMENSIONS

Crossbar height to finished floor	36 ¹³ / ₁₆ " (935mm) at center
Crossbar projection —	
neutral	4 ⁷ / ₈ " (121mm)
depressed	4" (102mm)
Crossbar length	42" (1067mm) field sizeable
Lock stile case	8 ¹ / ₄ " × 2 ³ / ₄ " × 1 ⁵ / ₁₆ " (210mm × 70mm × 24mm)
Hinge stile case	6" × 1 ³ / ₄ " × 1 ⁵ / ₁₆ " (152mm × 44mm × 24mm)
Crossbar tubing	1" (25mm)

STRIKE AND FASTENERS

Device is furnished with standard 268 strike in dull black. All necessary mounting fasteners are included. Optional finishes must be specified. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

DEVICE OPTIONS

E-88-F Electric Rim Device, page 16.

OUTSIDE TRIM

Standard

880NL-RV
880TP-RV
880K-RV
373L

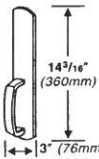
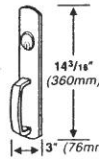
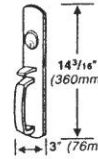
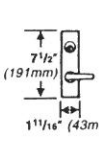
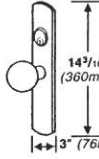
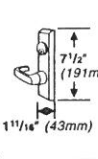
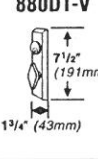
Optional

608NL-RV
608TP-RV
606K-RV

For complete outside trim information, see pages 11-13.

For How-To-Order Information on all devices, see page 22.

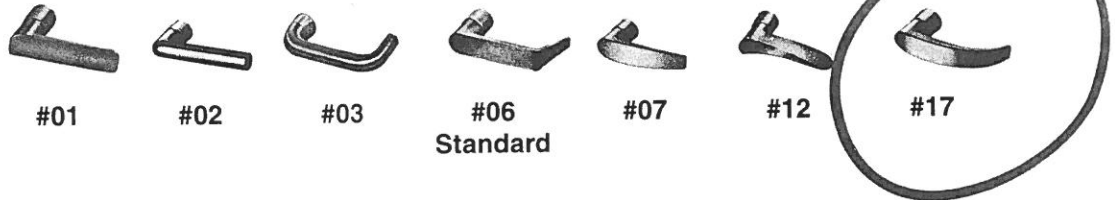
VON DUPRIN® 88 Trim Selection

Function	01 Exit Only	02 Pull When Dogged	03 Key Retracts Latchbolt	05 Key Retracts Thumbpiece	06 Key Locks Lever	08 Key Locks Knob	08 Key Locks Lever	11/12 Key Locks Thumbturn
Trim Number and Dimensions		880DT 	880NL 	880TP 	371-L 	880K 	373-L 	377T or 376Tx 880DT-V 
Device/Trim Center Line To Finished Floor								
Projection —	—	2" (51mm)	2" (51mm)	2" (51mm)	2 5/8" (67mm)	2 3/4" (70mm)	2 5/8" (67mm)	1 13/16" (46mm)
Rim	Panic	88EO	88DT	88NL	88TP	—	88K	88L
	Fire	88EO-F	—	88NL-F [▲]	88TP-F [▲]	—	88K-F [▲]	88L-F [■] ←
Ctr. Line	A 39 13/16" (1011mm)	A 39 13/16" (1011mm) B 33 1 1/2" (847mm)	A 39 13/16" (1011mm) B 33 1 1/2" (847mm)	A 39 13/16" (1011mm) B 32 13/16" (833mm)	—	A 39 13/16" (1011mm) B 36 13/16" (935mm)	A 39 13/16" (1011mm) B 36 13/32" (935mm)	—
Mortise Lock	Panic	8875EO	8875DT	8875NL	8875TP	—	8875K	8875L
	Fire	8875EO-F	—	8875NL-F	8875TP-F	—	8875K-F	8875L-F
	Ctr. Line	A 39 13/16" (1011mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 38 9/16" (979mm)	A 39 13/16" (1011mm) B 38 9/16" (979mm)
Surface Mounted Vertical Rod	Panic	8827EO	8827DT	—	8827TP	—	8827K	8827L
	Fire	8827EO-F	—	—	8827TP-F	—	8827K-F	8827L-F
	Ctr. Line	A 39 13/16" (1011mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 38 5/16" (973mm)	A 39 13/16" (1011mm) B 38 5/16" (973mm)
Concealed Vertical Rod	Fire	8847EO-F	—	—	—	8847L-F	—	8847TL-F
	Ctr. Line	A 39 13/16" (1011mm)	—	—	—	A 39 13/16" (1011mm) B 41 11/16" (1059mm)	—	A 39 13/16" (1011mm) B 53 1/2" (1359mm)
Additional SNB requirements	4/8/16	4,12	4	4,12	4	4,12	4,12	4
Cylinder Type Required	Device Type	—	—	Rim	Rim	—	Rim	Mortise
	Rim	—	—	Mortise	Mortise	—	Mortise	—
	Mortise	—	—	—	—	—	Rim	Mortise
	Vert. Rod	—	—	—	—	Mortise	—	—
C.V.R.	—	—	—	—	—	—	—	

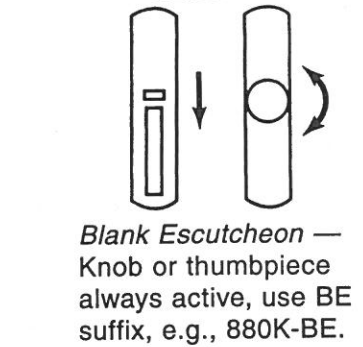
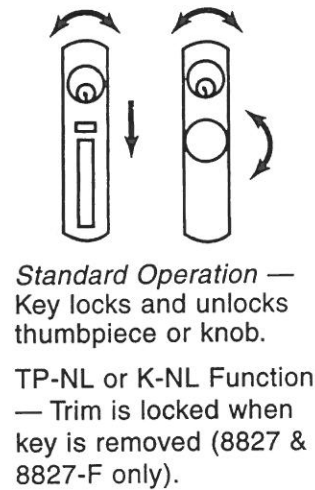
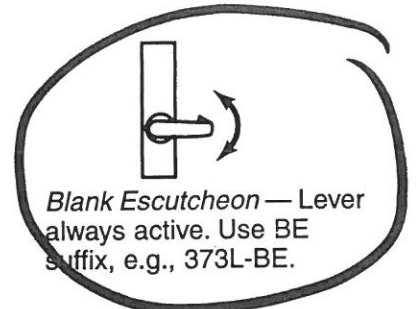
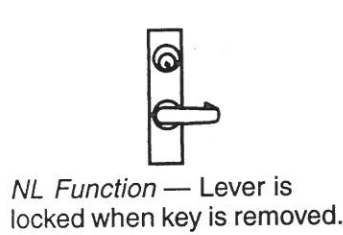
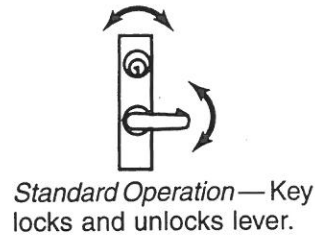
▲ Requires Stainless Steel Trim for Wood or Composite Fire Doors.
 ■ Requires 889 Plate for Wood or Composite Fire Doors.
 Note: 8827 uses 377T, 8847-F uses 376T.

VON DUPRIN® 88 Trim Selection

LEVER DESIGN OPTIONS

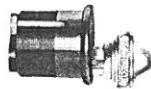


OPERATION OPTIONS — LEVER AND KNOB

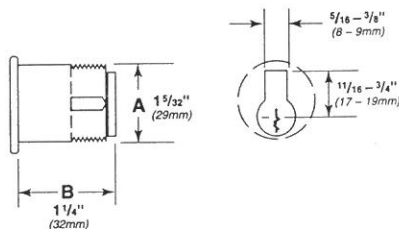


CYLINDERS

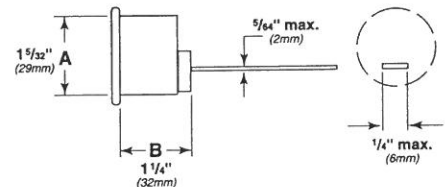
Cylinders are not furnished with device or trim and must be specified when ordering. Rim, surface vertical rod and concealed vertical rod exit devices use rim type cylinders. Mortise lock exit devices and series 370 controls use mortise type cylinders.



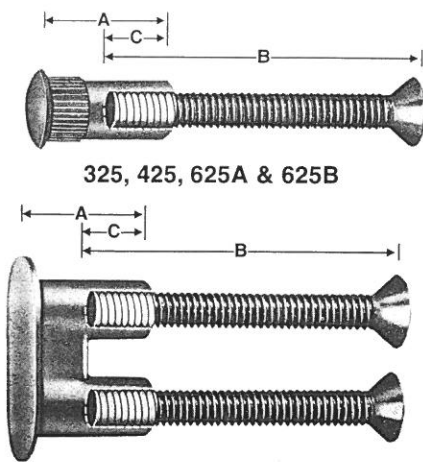
Mortise — 3215 (Schlage B502-191 cam)



Rim — 3216



VON DUPRIN® Auxiliary Hardware Information



325, 425, 625A & 625B

525

SEX BOLTS

Sex bolts when ordered with devices may be furnished with screw lengths different than shown in column B. Column B indicates popular sizes. Sex bolts ordered separately are not furnished with screws. If screws are required refer to chart below and order screws by description as a separate item. Other screw lengths may be used based on minimum and maximum allowable thread engagement, shown in column "C." Quantity required — refer to the device section, quantities differ depending on outside trim.

RIM, MORTISE AND CONCEALED VERTICAL ROD

Device Type	Door Thickness	Center Case				Hinge Case			
		Sex Bolt		B Screw	C Thread Engagement Min.—Max.	Sex Bolt		B Screw	C Thread Engagement Min.—Max.
		No.	A			No.	A		
22	1 ³ / ₄ " (44mm)	425	1 ⁹ / ₁₆ "	10-24 × 1" PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₄ " PPHMS	9/32"-5/8"
33, 3347, 3347-F 35, 3547, 3547-F	1 ³ / ₄ " (44mm)	325	1 ¹⁹ / ₃₂ "	1/4-20 × 1" FPHMS	3/8"-1 ¹ / ₁₆ "	425	1 ⁹ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"
	2 ¹ / ₄ " (57mm)	325	1 ¹⁹ / ₃₂ "	1/4-20 × 1 ¹ / ₂ " FPHMS	3/8"-1 ¹ / ₁₆ "	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₄ " PPHMS	9/32"-5/8"
55	1 ³ / ₄ " (44mm)	625A	2 ⁵ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1 ³ / ₁₆ "	625A	2 ⁵ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1 ³ / ₁₆ "
	2 ¹ / ₄ " (57mm)	625B	2 ¹³ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1"	625B	2 ¹³ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1"
5575, 5575-F, 5547, 5547-F	1 ³ / ₄ " (44mm)	—	—	—	—	625A	2 ⁵ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1 ³ / ₁₆ "
	2 ¹ / ₄ " (57mm)	—	—	—	—	625B	2 ¹³ / ₁₆ "	12-24 × 3/4" OPHMS	1 ¹ / ₃₂ "-1"
88, 88-F, 8875, 8875-F	1 ³ / ₄ " (44mm)	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " OPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " OPHMS	9/32"-5/8"
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 × 2" OPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 2" OPHMS	9/32"-5/8"
8847-F	1 ³ / ₄ " (44mm)	—	—	—	—	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " OPHMS	9/32"-5/8"
	2 ¹ / ₄ " (57mm)	—	—	—	—	425	1 ⁹ / ₁₆ "	10-24 × 2" OPHMS	9/32"-5/8"
98, 9875, 9875-F, 9847, 9847-F 99, 9975, 9975-F, 9947, 9947-F	1 ³ / ₄ " (44mm)	425	1 ⁹ / ₁₆ "	10-24 × 1" PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₄ " PPHMS	9/32"-5/8"
98-F, 99-F*	1 ³ / ₄ " (44mm)	425	1 ⁹ / ₁₆ "	10-24 × 1" PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"
		825A*	1 ¹³ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"				
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₂ " PPHMS	9/32"-5/8"	425	1 ⁹ / ₁₆ "	10-24 × 1 ¹ / ₄ " PPHMS	9/32"-5/8"
		825B*	2 ⁵ / ₁₆ "	10-24 × 3/4" PPHMS	9/32"-5/8"				

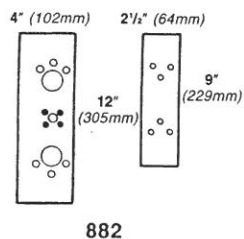
*825 sex bolt required with 98-F, 99-F on wood doors only.

(FPHMS — Flat Phillips Head Machine Screw; OPHMS — Oval Phillips Head Machine Screw; PPHMS — Pan Phillips Head Machine Screw)

VON DUPRIN® 88 Accessories

COVER PLATE KITS

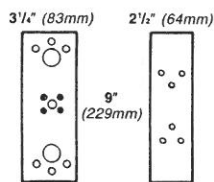
Devices



882

882 Kit

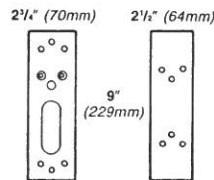
For 88 rim devices applied over mortise lock or discontinued device cutouts.



887

887 Kit

Required for 88 rim/ 8827 vertical rod device combinations on pairs of doors with ANSI 161 cutout. (The 88 rim device backset is increased and exposes the 161 cutout when used with 8827).

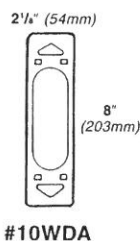


888

888 Kit

Required for 8875 mortise or 8827 vertical rod devices on doors with ANSI 161 cutouts (device center case will not cover stock cutout).

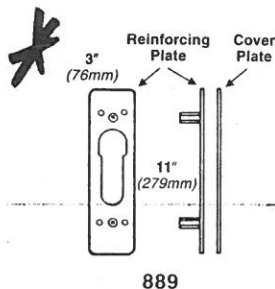
Controls



#10WDA

#10 WDA Kit

Required when 373L or 377T controls are used on wood doors with the following devices: 88L, 8827L, 8827TL, 8827TL-F, or 8875L (kit covers cutout and prevents control from damaging door).



889

889 Kit

Required when 373L controls are used with sex bolts (sex bolts must be used on wood or composite fire doors). Four studs on cover plate allow through-bolting to the device center case.

To order, specify:

1. Kit number.
2. Finish.
3. Device type (889 kit only).

AXLE SECURITY PIN

Non-removable security pin can be inserted into lever arm axle to prevent tampering or removal of lever arm.

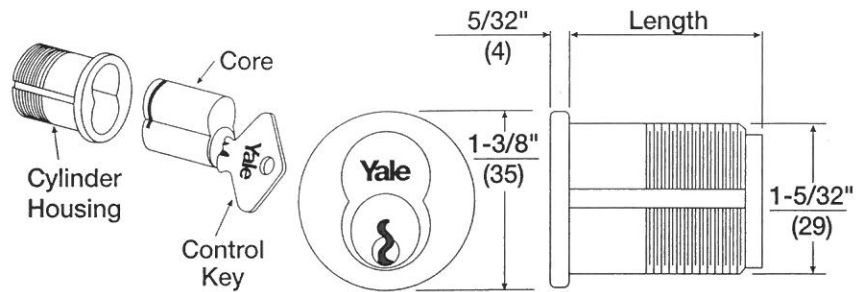
To order, specify Part Number 033022 (*package of 50*).

INTERCHANGEABLE CORE MORTISE CYLS.

Steel Case Mortise Locks

List Number **2196, 2197, 2196H, 2196S and 2197S**

Cylinders are available as options for Yale mortise locks as listed in the chart. These cores are interchangeable with other Yale locks with corresponding interchangeable core list numbers.



Cylinder Rings: List number 1134, 1135 and 1765 are supplied with Yale mortise locks depending upon the trim design selected. Ring size and thickness must be supplied to suit the length of the cylinder, the thickness of the door and the type of trim ordered.

When ordered separately, list no. 1135 cylinder ring will be supplied. List numbers 1134 or 1765 are available to special order. When ordered separately, specify finish.

For Use With 4600, 8600 & 8700 Series Steel Case Mortise Locks

Cylinder List No.	Pins	Length	Housing Assy. Less Core	Core List No.	Cams
2196	6	1-1/2"	2221	1210	2160
2197	7	1-11/16"	2213	1220	2160
2196H	6	1-11/16"	2213	1210H	2160
2196S*	6	1-1/2"	2214S	1210	2130
2197S*	7	1-11/16"	2217S	1220	2130

* For inside operation of 8717-2 and 8634-2 lock functions only.

Note: When ordering interchangeable core cylinders or cores only, control keys are not furnished. If control keys are required they must be ordered separately.

Cast Iron Mortise Locks & Other Applications

List Numbers **1194 and 1196**

Yale mortise locks are available with the Yale interchangeable core cylinders. These cores are interchangeable with other Yale brand products using corresponding core list nos. These cylinders are available in 6 or 7 pin systems as indicated in the chart.

Cylinder Rings: List numbers 1135 and/or 1134 cylinder rings are normally supplied with these cylinders. List no. 1765 cylinder ring is available to special order. Ring size and thickness must be supplied to suit the length of the cylinder, the thickness of the door and the type of trim ordered.

For Use With 4000/8000 Series Cast Iron Mortise Locks and Other Applications

Cylinder List No.	Pins	Length	Housing Assy. Less Core	Core List No.	Cams
1194	6	1-1/2"	1214	1210	1160E
1194	7	1-11/16"	1214H	1220	1160E
1194H	6	1-11/16"	1214H	1210H	1160E
1196†	6	1-1/2"	1221	1210	1160R
1196†	7	1-11/16"	1213	1220	1160R
1196H†	6	1-11/16"	1213	1210H	1160R
1198H**	6	1-11/16"	1213A	1210H	1160

**Used with 7/8" throw deadbolts.

†Used with 1" throw deadbolts (300 Series Mortise locks).

Note: When ordering interchangeable core cylinders or cores only, control keys are not furnished. If control keys are required they must be ordered separately.