# 5400LN Series

Grade 1 Cylindrical Lever Locks

**ASSA ABLOY**

# rugged yet refined

Designed for industrial, commercial and institutional use, the Yale® 5400LN Series heavy-duty cylindrical lockset offers no compromise when it comes to rugged reliability and performance.  With key construction features such as our patented Free Wheeling lever mechanism, wear-resistant chassis plates, heavy-duty lever return springs and through-bolting, this Grade 1 trendsetter proves time and again why it's the favorite among architects and building owners who demand the highest standard of product quality.

And who says a lockset can't be tough and look good at the same time?  The 5400LN features three aesthetic lever designs and a diverse line of eleven architectural finishes, including three PVD lifetime finishes, which allow the freedom of enhancing any décor.  With a lifetime warranty against lever sag and lever spring breakage, you'll never have to worry about your intended attraction becoming an unintended distraction.

## A.D.A.

The 5400LN meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility Standards and ANSI 117.1, all requiring ease of accessibility for the handicapped.

## free wheeling lever trim

All 5400LN locking functions feature the patented (Patent No. 4,920,773) Free Wheeling lever mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

## installation

5400LN Series Cylindrical Locks conform to ANSI/BHMA Specifications A156.115 which cover hardware preparations for steel doors and steel frames and A156.115-W which cover hardware preparations for wood doors with wood or steel frames.

## iso 9001

Designed and manufactured under a certified ISO 9001 quality system.

## windstorm

Certified (refer to local codes). 5400LN Series can be provided to meet FEMA 320 standards. See page 17 for How to Order .

Hurricane

Tornado

## knurled designs

Where required by the local authority, 5400LN trim can be knurled to be identifiable to the touch for blind persons. All lever designs in all finishes except 605e, 606e, 612 and 613e may be ordered knurled. Only the outside lever will be knurled unless specified otherwise.

## pvd lifetime finish

Physical Vapor Deposition (PVD) is a technologically advanced finish coating that provides the ultimate surface protection against environmental elements and everyday wear and tear. PVD matches clear coated finishes in appearance, yet surpasses them in durability. Yale warrants all its PVD finishes against tarnish, wear, discoloring and peeling for the lifetime of the part to which it has been applied.

## warranty

The 5400LN Series cylindrical lever lock carries a seven-year warranty. Likewise, the 5400LN carries a lifetime warranty against lever sag and lever spring breakage.

## microshield®

5400LN Series Locks are available with *MicroShield* antimicrobial coating. *MicroShield* is a revolutionary new hardware finish coating which permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied.  To order, suffix option code "YMS". Note: *MicroShield* coating may vary finish color from architectural standards. Available for 626 finish, additional finishes by special application. Contact factory for availability.

## contents

## finishes

| ANSI/ BHMA Code | Finish Description |
|---|---|
| 605e* | Bright Brass, PVD |
| 606e* | Satin Brass, PVD |
| 609 | Satin Brass, Blackened, Satin Relieved, Clear Coated |
| 612 | Satin Bronze, Clear Coated |
| 613 | Dark Oxidized Satin Bronze, Oil Rubbed |
| 613e* | Dark Oxidized Satin Bronze, PVD |
| 616 | Satin Bronze, Blackened, Satin Relieved, Clear Coated |
| 619 | Satin Nickel Plated, Clear Coated |
| 620 | Satin Nickel Plated, Blackened, Satin Relieved, Clear Coated |
| 625 | Bright Chrome Plated |
| 626 | Satin Chrome Plated  MicroShield™ |
| 693 | Black Painted |

**\*PVD finish standard for 605 and 606. Available as an option for 613 (as 613e) for customers desiring a non-wearing finish.**
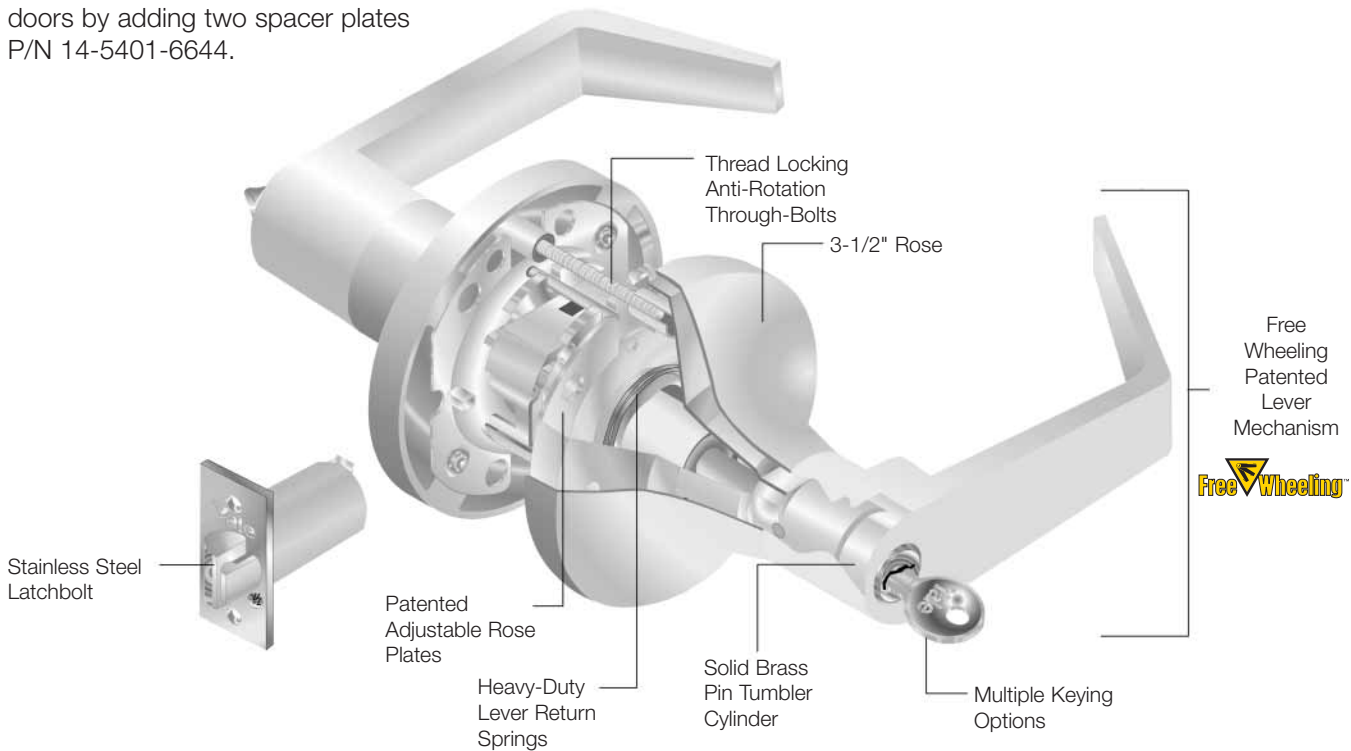
# features

## door thickness
Patented (patent no. 6,131,970) door adjustable rose support plates allow the 5400LN to easily adjust to doors from 1-3/4" to 2-1/4" thick. It can also be used on 1-3/8" thick doors by adding two spacer plates P/N 14-5401-6644.

## fire listings
UL - cUL Fire Label for all door functions up to 3 hours.

## ANSI/BHMA
Certified ANSI/BHMA A156.2, Series 4000 Grade 1.

Thread Locking Anti-Rotation Through-Bolts

3-1/2" Rose

Free Wheeling Patented Lever Mechanism

Stainless Steel Latchbolt

Patented Adjustable Rose Plates

Heavy-Duty Lever Return Springs

Solid Brass Pin Tumbler Cylinder

Multiple Keying Options

## full-featured grade 1 lever lockset offering

- Patented Free Wheeling lever mechanism increases vandal resistance and reduces the amount of maintenance typically required of locksets with rigid levers.
- 12 finish options.
- 3 lever designs.
- 24 functions including electrified.
- Stainless steel latchbolt provides added strength and wear resistance. Direct 1/2" throw is standard.
- A 3/4" latch throw for fire-rated or pairs of doors is available.
- Wear-resistant plates in the chassis help extend the life of the lockbody and provide smoother lock operation.
- Longer thread locking through-bolts through the chassis provide greater stability and prevent rotation.
- Lifetime warranted heavy-duty lever return springs prevent lever sag and provide positive return of lever to horizontal position.

- Patented (patent no. 6,131,970) door adjustable rose support plates allow for easy adjustment of lockset to fit doors ranging in thickness from 1-3/4" to 2-1/4". Rose spacers available for 1-3/8" thick doors.
- Three non-handed lever options (Augusta, Monroe, and Pacific Beach) comply with ADA requirements for easy gripping and operation.
- Expanded cylinder and keying options:
  - Yale® 6- and 7-pin standard and interchangeable core cylinders including Yale® KeyMark® patented keyway cylinders (see page 13).
  - Standard cylinders with Schlage® C and Sargent® LA keyways. Small format interchangeable cores with Best® keyways.
  - Levers which accept interchangeable core cylinders by Best®, Schlage®, ASSA® and Medeco®.
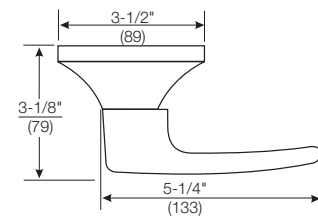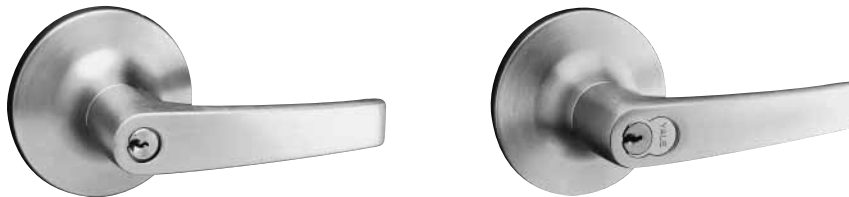- 3-1/2" roses cover ANSI/BHMA hollow metal door cutout.

# lever designs

## Augusta AU
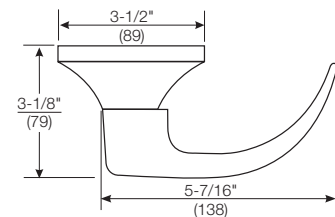
**Lever:** Cast Solid Alloy
**Rose:** Cold Forged Brass, Bronze

3-1/2" (89)
3-3/64" (77)
2-9/16" (65)
5-7/16" (138)
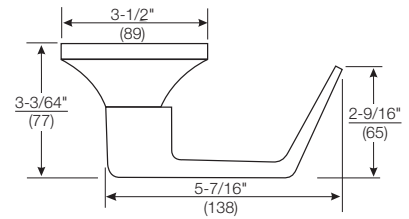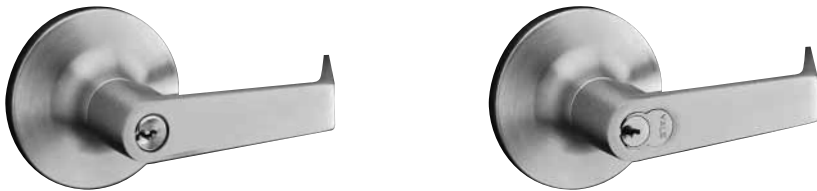
## Monroe MO

**Lever:** Cast Solid Alloy
**Rose:** Cold Forged Brass, Bronze

3-1/2" (89)
3-1/8" (79)
5-1/4" (133)

## Pacific Beach PB

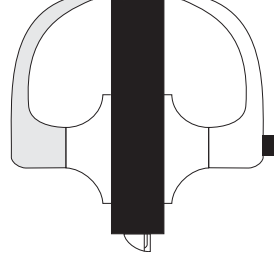**Lever:** Cast Solid Alloy
**Rose:** Cold Forged Brass, Bronze

3-1/2" (89)
3-1/8" (79)
5-7/16" (138)
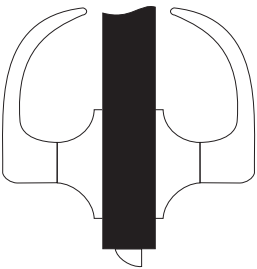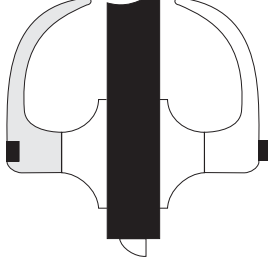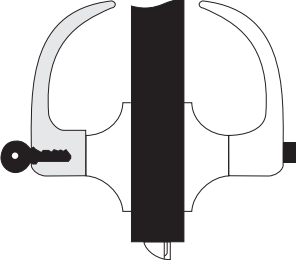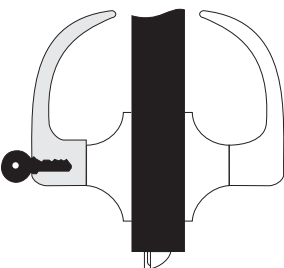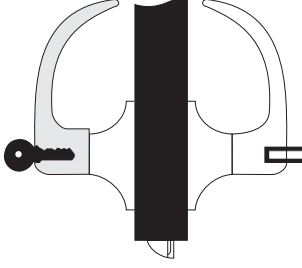
**Dimensions are shown in inches (millimeters).**    **See page 13 and 14 for interchangeable core cylinder order options.**
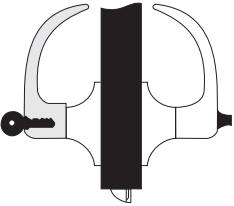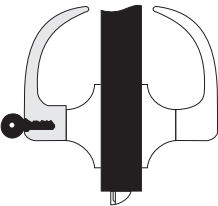
# functions

## 5401LN (F75)

**Passage or Closet Lock**
- For doors that do not require locking.
- Either lever operates latchbolt at all times.



Outside       Inside

## 5402LN (F76A)

**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. (PN 14-5302-1053-048)
- Inside lever always active.



Outside       Inside

## 5403LN (F77A)
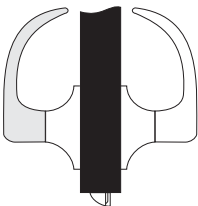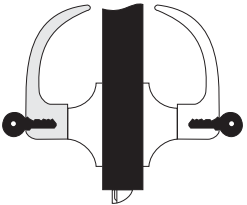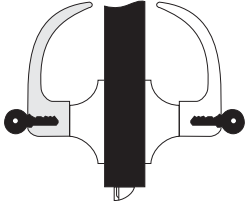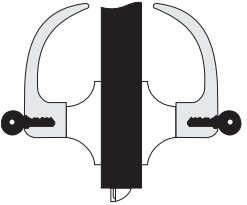
**Patio or Privacy Lock**
- For exit doors with limited entry.
- Deadlocking latchbolt.
- Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*
- Button automatically releases when inside lever is turned or door is closed.
- Inside lever always active.



Outside       Inside

## 5404LN (F82A)

**Entry Lock**
- For entrance or 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.



Outside       Inside

## 5405LN (F86)

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



Outside       Inside

## 5406LN (F92)

**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.
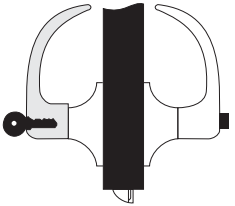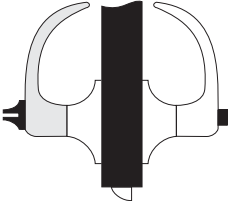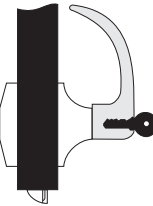


Outside       Inside

**\* Lever handles are Free-Wheeling in locked position.   Shaded area denotes FreeWheeling lever.**

# functions

## 5407LN (F109)

**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, and 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.



**Outside**          **Inside**

## 5408LN (F84)

**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.
- Outside lever locked* or unlocked only by key.



**Outside**          **Inside**

## 5409LN (F89)

**Exit Latch**
- For exit doors with no-entry desired.
- Deadlocking latchbolt.
- Outside lever always locked.*
- Inside lever always active.



**Outside**          **Inside**

## 5417LN (F88)

**Apartment, Exit or Public Toilet Lock**
- For office or apartment building entrance doors or lavatory doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when outside lever is locked by key from inside).*
- Key in outside lever operates latchbolt.
- Inside lever always active.

**NOTE: Inside handle requires 1802S standard 6-pin cylinder.**



**Outside**          **Inside**

## 5418LN (F110)

**Intruder Classroom Security Lock**
- For classroom doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when outside lever is locked by key from either side).
- Outside lever remains locked upon egress
- Inside lever always active.



**Outside**          **Inside**

## 5421LN (F80)

**Communicating Lock**
- For communicating or store entrance doors.
- Deadlocking latchbolt.
- Either lever operates latchbolt (except when key in either lever locks or unlocks the lever independently of the other).*
- Should be used only in offices or rooms with multiple entries.

**NOTE: Not available with IC core cylinders.**
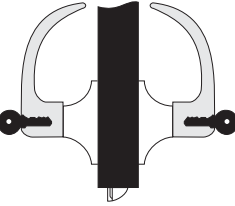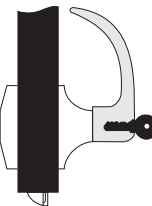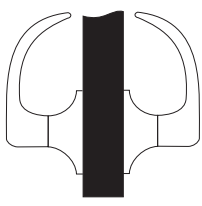


**Outside**          **Inside**

**\* Lever handles are Free-Wheeling in locked position.   Shaded area denotes FreeWheeling lever.**

# functions

## 5422LN (F90)

**Dormitory Lock**
• Deadlocking latchbolt.
• Either lever operates latchbolt (except when outside lever is locked by inside pushbutton or key in outside lever).* Inside lever always active.
• When locked by button, the button automatically releases when inside lever is turned or door is closed.
• When locked by key, the automatic release is made inoperative and must be manually unlocked by the key.*

Outside          Inside

## 5425LN

**Privacy Lock**
• For lavatory or other privacy doors.
• Either lever operates latchbolt (except when outside lever is locked by inside pushbutton).*
• Button automatically releases by turning inside lever or closing door.
• Door can be unlocked, when necessary, by operating outside turnbutton.
• No emergency key required.

Outside                    Inside

## 5428LN (F111)

**Exit Latch**
• For twin communicating or exit doors where one side operation is required.
• Use where space is limited.
• Deadlocking latchbolt.
• One lever operation.
• Blank rose.
• Should be used only where rooms have more than one entrance.

Outside                    Inside

## 5429LN (F113)

**Communicating Classroom Lock**
• For twin communicating or closet doors where one side operation or space between doors is limited.
• Deadlocking latchbolt.
• Blank rose.
• Inside lever operates latchbolt except when lever is locked by key.*
**(Not available with IC core cylinders.)**

Outside                    Inside

## 5430LN (F87)

**Utility, Asylum or Institutional Lock**
• Deadlocking latchbolt.
• Latchbolt operated by key in lever from either side.
• Both levers always locked.*
**Note: Not available with IC core cylinders.**

Outside          Inside

## 5439LN (F112)

**Communicating Storeroom Lock**
• For twin communicating or closet doors where one side operation is required or space between doors is limited.
• Deadlocking latchbolt.
• Latchbolt operated by key only in inside lever.
• Inside lever always locked.*
• Blank rose.
• Should be used only where rooms have more than one entrance.
**(Note: Not available with I.C. core cylinders)**

Outside          Inside

## 455LN

**Dummy Trim**
• For non-operational lever used for decorative trim.

Outside                    Inside

## 455LN-D

**Double Dummy Trim**
• For non-operational lever used for decorative trim.

Outside          Inside

**\* Lever handles are Free-Wheeling in locked position.   Shaded area denotes FreeWheeling lever.**

# securex®

## operation

Electric locks provide the ability to electrically lock or unlock the outside trim from a remote location. Fail Safe locks are commonly used in stair towers to release upon fire alarm activation. Fail Secure locks are used on perimeter doors or security doors to allow ingress using access control technologies (proximity cards, keypads, etc.)

## features

- Patented Free Wheeling lever mechanism.
- Self-contained, continuous-duty integral solenoid (allows installation in standard cylindrical prep).
- Available Fail Safe or Fail Secure.
- Available in 12 or 24 volts AC/DC.
- Mechanical cylinder override.
- All 5400LN cylinder options.
- ANSI/BHMA Grade 1.
- UL listed.

## REX

Request to Exit - Operating inside lever handle triggers REX switch which can be used to shunt an alarm, monitor egress or release a magnetic lock, etc.

## electrical specifications

- Continuous duty solenoid
  150 mA @ 24VAC/VDC
  300 mA @ 12VAC/VDC
- REX (SPDT) Contact Rating:
  3A @ 125 VAC
  2A @ 24 VDC

## electrolynx®

Yale® electrified 5400LN locks are equipped with *ElectroLynx* connectors. As a standard feature, these connectors link power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders and strikes.

**Note: Electrified door hardware with *ElectroLynx* connectors requires a compatible number of lead wires attached to the door hinge.**
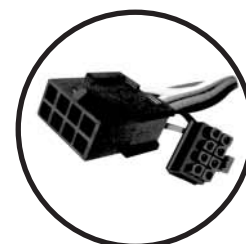
## functions

| Outside | Inside | Function | Function Description |
|---|---|---|---|
| | | 5490LN | **Fail Safe**<br>• Power on locks outside lever.<br>• Inside lever always active.<br>• Latchbolt retracted by key when locked electrically.<br>• Free Wheeling lever when locked electrically. |
| | | 5491LN | **Fail Secure**<br>• Power on unlocks outside lever.<br>• Inside lever always active.<br>• Latchbolt retracted by key when power is off.<br>• Free Wheeling lever when power is off (locked). |

| Outside | Inside | Function | Function Description |
|---|---|---|---|
| | | 5480LN | **Fail Safe**<br>• Power on locks outside lever.<br>• Inside lever always active.<br>• Latchbolt retracted either side except when outside lever is locked electrically.<br>• Free Wheeling lever when locked electrically. |
| | | 5481LN | **Fail Secure**<br>• Power on unlocks outside lever.<br>• Inside lever always active.<br>• Latchbolt retracted either side when power is off.<br>• Free Wheeling lever when power is off (locked). |

# eboss®

## applications

The *eBoss* electronic keypad lockset is designed to provide the industrial, commercial, residential and hospitality marketplace with a reliable and moderately priced keyless entry with mechanical key override in interior and exterior environments.

## trim designs

*eBoss* cylindrical locksets are available with Augusta (AU), Monroe (MO) and Pacific Beach (PB) lever designs.

## features

- Windstorm certified (refer to local codes)  Hurricane
- Battery-operated (hard wire option available)
- 94 user capacity
- Heavy-duty all metal escutcheon for vandal resistance
- Stainless steel pushbuttons
- LED function indicators
- Weather resistant, ADA compliant 12-button keypad
- Patent pending modular design for simple installation
- Audible pushbutton
- Patented (Patent No. 7,091,429) keypad blinders
- Request to enter input
- Master, Emergency, Supervisor, Lockout and Passage Codes
- Two-tier low battery indicator
- 3 year limited warranty

## finishes

| ANSI/BHMA Code | Finish Description |
|---|---|
| 605e | Bright Brass, PVD |
| 606e | Satin Brass, PVD |
| 609 | Satin Brass, Blackened, Satin Relieved, Clear Coated |
| 612 | Satin Bronze, Clear Coated |
| 613e | Dark Oxidized Satin Bronze, PVD |
| 616 | Satin Bronze, Blackened, Satin Relieved, Clear Coated |
| 619 | Satin Nickel Plated, Clear Coated |
| 625 | Bright Chrome Plated |
| 626 | Satin Chrome Plated MicroShield |
| 693 | Black Painted |

## functions

| Model Number | Function Description |
|---|---|
| E5486LN | No Cylinder Override |
| E5496LN | Single Cylinder Override |

# securex® accessories

## BPS power supplies by securitron®

**Operation**
Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components.

**Product Features**
- Individual output circuit breakers
- Regulated and filtered fuse protected outputs
- LEDs monitor zone status (voltage or no voltage)
- Slide switches connect or disconnect load from power (Not available on 1 Amp supplies)
- Internal Back-Up battery charging circuit
- Rugged steel enclosure
- Fire alarm interface

**Listings**
- UL CLASS 2

**Applications (use with):**
- Fail Safe cylindrical locks
- Fail Secure cylindrical locks

**Ordering**
Ex: BPS-24-4, BPS-12-3

| Model | Input | Output | Application |
|---|---|---|---|
| BPS-24-1 | 120 VAC | 1 Amp @ 24 VDC | 2-5400LN |
| BPS-24-2 | 120 VAC | 2 Amp @ 24 VDC | 5-5400LN |
| BPS-24-4 | 120 VAC | 4 Amp @ 24 VDC | 11-5400LN |
| BPS-12-1 | 120 VAC | 1 Amp @ 12 VDC | 1-5400LN |
| BPS-12-3 | 120 VAC | 3 Amp @ 12 VDC | 3-5400LN |

**Consult factory for additional power supply applications.**

# securex® accessories

## EPT & EPTL electrical power transfer by securitron®

The electric power transfer is concealed in the door and frame edges, maintaining aesthetics and security. A unique advantage is that the EPT/EPTL accepts interior wire cables up to .25" (6mm) thick and protects the wires with a flexible steel shield.  Suitable for applications where a relatively large current is required, and works with doors hung with butt hinges, continuous hinges and pivots.

**Note: It will not function on a center pivot door due to the large gap between the door and frame edges when the door is open.**

**To order, specify:**
**EPT:** Concealed Transfer for up to 120° swing doors
**EPTL:**  Concealed Transfer for over 120° swing doors



**EPTL**          **EPT**

## TSB-C door cord by securitron®

The door cord is the simplest and most economical solution for power transfer.  This unit consists of an 18" (460mm) armored stainless steel cable and plastic end pieces in light gray and black.  The cable has an interior diameter of .25" (6mm) and supports interior wire cables up to .2" (5mm) thick.

To order, specify:
**TSB-C:** 18" Door cord with gray/black caps



1.2" (30mm)

18" (460mm)

1.2" (30mm)
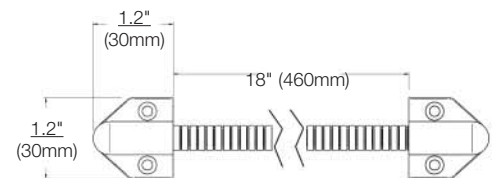
## heavy-duty push button switches - 5, 6 and 10 amp by securitron®

**PB Series Push Buttons**
•  Mounted on brushed stainless steel plates
•  Includes exit prompt
•  Momentary or alternate action
•  Illuminated options

| Model | Description |
|-------|-------------|
| PB2 | Push Button 2" Square Mom. Single Gang Illum - SPDT |
| PB3 | Push Button 3/4" Rectangle Mom. Single Gang Illum - DPST |
| PB3ER | Push Button Remote Mom. Surface Mount - DPST |
| PB3EA | Push Button 3/4" Rectangle Alt. Single Gang - DPST |



**PB3ER**

**PB2**          **PB3**

# securex® accessories

## MK series key switches by securitron®

| Model | Switch Description |
|-------|-------------------|
| MKA | Alternate Action SPDT |
| MKA2 | Alternate Action DPDT |
| MK | Momentary SPDT |
| MK2 | Momentary DPDT |
| MKAN | Alternate Action Narrow Stile SPDT |
| MKN | Momentary Narrow Stile SPDT |

**MK Series**          **MKN Series**

**Key Switch Features**
• Standard 12/24 VDC bicolor LED (Red/Green)
• 5 AMP rated SPDT plunger switch
• Accepts 1-1/4" or 1-1/8" mortise cylinder (not included)
• UL Listed

**Note: Detailed information is available on all of the products listed above through the Securitron® catalog.
Key switches require a straight cam, cam #1161. Ordering example: 1152 - 1-1/8 - 1161**

## ZLP-1 LED monitors by securitron®          typical installation

Narrow stile Zone Light Panels provide
visual status of the lockset. LED's are
red and the face plate is made of
stainless steel.

To order, specify:
**ZLP-1:** Narrow stile

**Fire Alarm Tie-in**

**120VAC** — (4)          **Stair Tower Door**          **Wires in
Conduit**
(if frames
are filled)

**BPS-1
Power
Supply**

**(3)
MKA Keyswitch**

**(1) 5490LN**

**(2) Electric**          **Mortar
Guard**
(if frames
are filled)
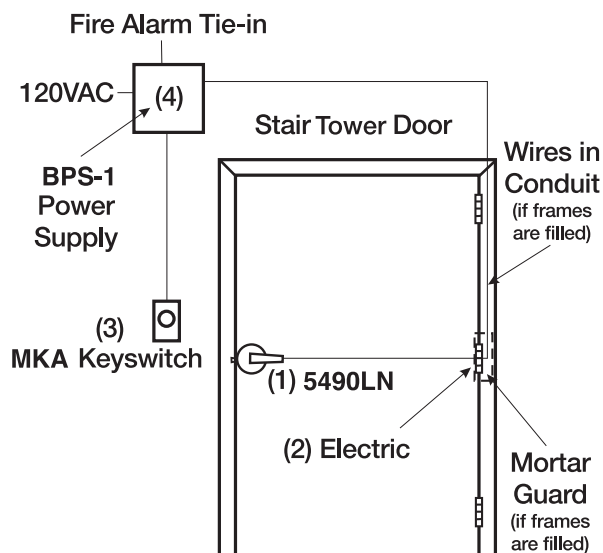
## DK-11 digital entry systems by securitron®

**DK-11** (Indoor Use)

**Product Features:**
• 4 Individual User Codes
• 12 button keypad
  (10 digits plus "*" and "#")
• Single gang, stainless steel plate
  with plastic backbox
• 5 Amp SPDT timed, control
  relay output
• Two LEDs are standard (Red/Green)

Wiring diagrams are available for complete turn-key
packages involving electrified hardware and components.

**Current Draw and Voltage:**
• 70mA @ 12 or 24VDC

# cylinders

## cylinder options

The following selection guide indicates the correct key-in-lever cylinder for each locking segment.

| Lockset Series: 5400LN | | Types of Cylinder Mechanisms | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | Conventional | | Patented Keyway | | Security | | High Security | |
| Cylinder Types | Fixed Core | 6-pin | 7-pin | 6-pin | 7-pin | 6-pin | 7-pin | 6-pin | 7-pin |
| | Key-In-Lever | 1802 | 1802A | K402 | K402 | 5802 | 5802A | N/A | N/A |
| | Interchangeable Core | | | | | | | | |
| | LFIC | 1210 | 1220 | K800 | K800 | 5210 | 5220 | N/A | N/A |
| | SFIC | N/A | N/A | K600 | K600 | N/A | N/A | N/A | N/A |
| Refer to Yale® KeyMark® and/or Cylinders and Keys Catalog sections for all details and how to order examples. | | | | | | | | | |

**1802**

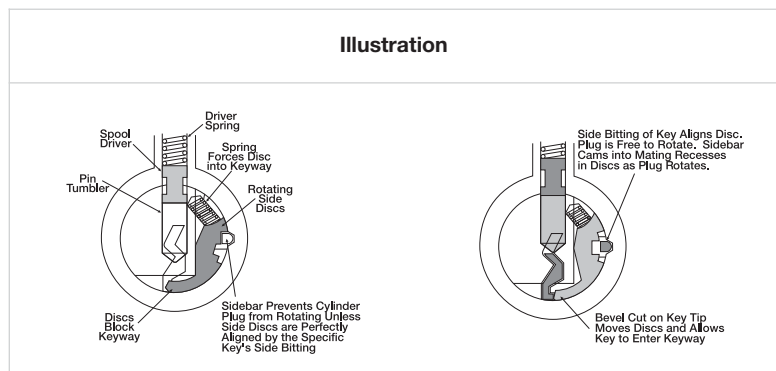**1210**
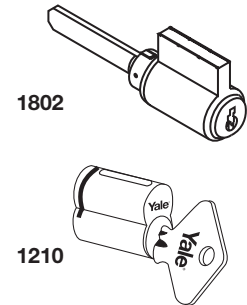
## patented keyway cylinders    Yale® KeyMark®

For those applications requiring patented key control, Yale® KeyMark® line of patented keyway cylinders provides the ultimate protection against unauthorized key duplication. *Yale KeyMark* utility-patented Security Leg® keyway features increased resistance against picking and impressioning and can easily retrofit into existing systems. For further details and how to order, refer to the separate *Yale KeyMark* catalog.
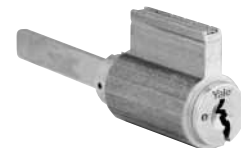
## security cylinders

Security Cylinders (Patent No. 4,638,651) contain 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.

**Illustration**

Spool Driver
Driver Spring
Spring Forces Disc into Keyway
Pin Tumbler
Rotating Side Discs
Discs Block Keyway
Sidebar Prevents Cylinder Plug from Rotating Unless Side Discs are Perfectly Aligned by the Specific Key's Side Bitting

Side Bitting of Key Aligns Disc. Plug is Free to Rotate. Sidebar Cams into Mating Recesses in Discs as Plug Rotates.
Bevel Cut on Key Tip Moves Discs and Allows Key to Enter Keyway

# cylinders

## 107S schlage® cylinder adapter kit
Used to modify *Schlage* cylinder for fit in the 5400LN.
P/N 14-5407-0300-048
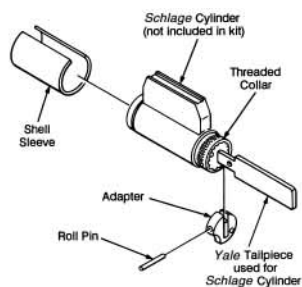


## other manufacturer keyway cylinders

| Illustration | Description | Model Number | Number of Pins |
|---|---|---|---|
| | Best® Keyway Cylinder. Available keyed random, master keyed or uncombinated. Specify keyway A, B, C, D, E, F, G, H, J, K, L or M. | A600 | 6 or 7 |
| | Sargent® LA Keyway. Available 0-bitted or keyed random. | 3802 | 6 |
| | Schlage® C Keyway. Available 0-bitted or keyed random. | 2802 | 6 |

## levers accepting other manufacturers' interchangeable core cylinders

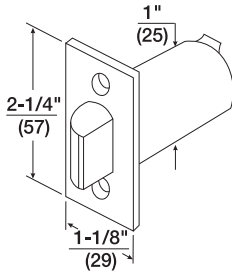| | Description | Prefix | Number of Pins |
|---|---|---|---|
| | Best® (Accepts all SFIC) | B (i.e. B-AU, B-PB, B-MO) | 6 or 7 |
| | Medeco®, ASSA® (LFIC) | M* (i.e. M-AU) | 6 |
| | Schlage® (LFIC) | SI (i.e. SI-AU, SI-PB, SI-MO) | 6 |

**\*Medeco®, ASSA® option available only with AU lever. *(Note: For Medeco 32 series cores.)***
**LFIC = Large Format Interchangeable Core**
**SFIC = Small Format Interchangeable Core**

# latchbolts

## plain latchbolts



| Model No. | Front | Backset | Throw | Front Width | Latch Diameter |
|-----------|-------|---------|-------|-------------|----------------|
| 693 | Beveled | 2-3/4" | 1/2" | 1-1/8" (29mm) | 1" (25mm) |
| F693 | Flat | 2-3/4" | 1/2" | 1-1/8" (29mm) | 1" (25mm) |
| 3693 | Beveled | 3-3/4" | 1/2" | 1-1/8" (29mm) | 1" (25mm) |

**Note:   For 3/4" throw applications, only deadlocking latchbolts available.
For 2-3/8" backset, contact Customer Support.**

## deadlocking latchbolts
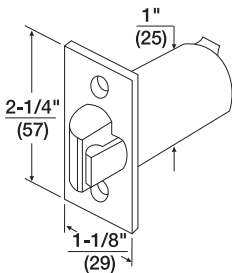


| Model No. | Front | Backset | Throw | Front Width | Latch Diameter |
|-----------|-------|---------|-------|-------------|----------------|
| 694 | Beveled | 2-3/4" | 1/2" | 1-1/8" (29mm) | 1" (25mm) |
| F694 | Flat | 2-3/4" | 1/2" | 1-1/8" (29mm) | 1" (25mm) |
| 3694 | Beveled | 3-3/4" | 1/2" | 1-1/8"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

**Note:   For 2-3/8" backset, contact Customer Support.**

## backset extension links

All 5400LN Series locksets are supplied with standard latchbolts of 2-3/4" (70mm)
backset; optional latchbolts with a 3-3/4" (95mm) backset are available to special
order. Extension links are also available for attachment to 2-3/4" (70mm) or 3-3/4"
(95mm) backset latchbolts to extend the backset to the desired length.



| Desired Backset | Latchbolt Backset | Order Extension Model No. |
|-----------------|-------------------|---------------------------|
| 5" (127mm) | 2-3/4" (70mm) | 481DL |
| 6" (152mm) | 3-3/4" (70mm) | 481 |
| 7" (178mm) | 2-3/4" (70mm) | 482 |
| 8" (203mm) | 3-3/4" (70mm) | 482 |
| 18" (46cm) | 2-3/4" (70mm) | 484 |
| 19" (48cm) | 3-3/4" (95mm) | 484 |
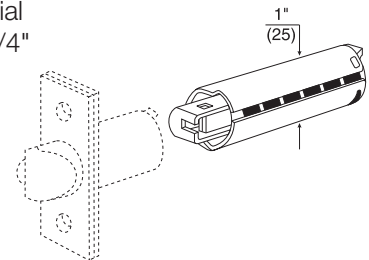
**Attaching Screws**
For all latchbolts except rabbeted
#8-8-32 x 3/4" (19mm) Phillips flat head
combination wood and machine screws
Brass - P/N 81-2022-0416*
Bronze - P/N 81-2032-0416*

**Hollow Metal Doors**
#8 - 32 x 1" (25mm) Phillips
flat head machine screw
Brass - P/N 81-0022-0420*
Bronze - P/N 81-0032-0420*

**\*Specify finish required.**

# 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 strike to the edge of the jamb and add 1/4" (6mm). All strikes are reversible.



**Model No. 497 ANSI Strike (Standard)**
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/BHMA A156.115 preparations.

**Model No. 495 Strike (Optional)**
1-1/4" curved lip, strike box supplied. 1", 1-1/2", 1-3/4" and 2" curved lip lengths available by special order.

**Model No. 497B Blank ANSI Strike (Optional)**
Available to special order. Installed in frame with standard ANSI/BHMA A156.115 preparation to replace the strike when the lockset has been removed from the door.

**Model No. 202 Strike Box for ANSI Strike (Optional)**
Specify 497 x 202

## attaching screws

**For Model No. 495**
#8-8-32 x 3/4" (19mm) Phillips flat head combination wood and machine screws.
P/N 81-2012-0416

**For Model Nos. 497 and 497B**
#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 606.**

# ordering information

**From this outline select the Model Number for the Yale® 5400LN Series Cylindrical Lockset you require.**

| Design | Function | Option | Latch | Strike | Cylinder | Door Thickness | Finish |
|---|---|---|---|---|---|---|---|
| See Page 4 | See Pages 5-7 | REX - See page 8<br><br>TD - See page 17 | See Page 15 | See Page 16 | See Pages 13-14 | See Page 3 | See Page 2 |

## ordering example

| Quantity | Design | Function | Option | Latch | Strike | Cylinder | Door Thickness | Finish |
|---|---|---|---|---|---|---|---|---|
| 100 | AU | 5407LN | TD | F694 | 497 | 1802 | 1-3/4" | 626 |

## FEMA 320

The 5400LN can be used in conjunction with a Ceco StormPro® 320 door and frame and Medeco® Maxum Security deadbolts to meet the standards of the FEMA 320 Large Missile Impact test. The 5400LN requires the use of longer through-bolt screws. To order, add option "TD" to the model number and the correct screws will be supplied. For example: AU5407LN x TD.

## packing

Each box has a strike, paper template, combination wood and machine screws, lever release tool and easy-to-follow instructions. Cylinder functions supplied with two keys. Ten shelf boxes to a case.

## sample specification

All locksets shall be 5400LN Series Grade 1 cylindrical lever locksets as assembled by Yale Commercial Locks and Hardware.

Lockset chassis shall be constructed of heavy-gauge cold-rolled steel, trivalent chrome plated to protect against rust and corrosion. Locksets shall be adjustable to fit doors between 1-3/4" (44mm) to 2-1/4" (57mm) thick.

Locksets shall be non-handed, and shall install easily without the need for specialized installation tools. Locksets shall have separate anti-rotation throughbolts in the 6 o'clock and 12 o'clock position outside the 2-1/8" face bore, and shall have no exposed mounting screws.

Locksets shall have solid one-piece, cast levers without plastic inserts, and shall be a minimum of 5-1/4" in length. Levers shall operate independently, and shall have inside and outside lever return springs. Outside levers on the keyed locksets shall be removable only when the designated key is in the cylinder.

Locksets shall have the capability of accepting 7-pin standard, interchangeable core and high-security cylinders to provide expansion capacity for large master keyed systems.

Vandal resistant levers shall be offered as a standard feature in all locking functions, and shall be Free Wheeling in the locked condition. Locksets that are rigid in the locked condition or which must require resetting (breakaway) are not acceptable.

The latchbolt shall be made of stainless steel.

All locksets shall carry a comprehensive seven-year mechanical warranty. Locksets shall carry a lifetime warranty against lever sag or lever spring breakage.

All locksets shall comply with the following certifications:
- UL 3 Hour Fire Rating
- ANSI/BHMA A156.2 Series 4000, Grade 1
- ANSI A117.1 Accessibility Code
- ANSI/BHMA A156.115 or A156.115-W Preparation

## notes

# online literature and templates

For the latest information on Yale Commercial Lock and Hardware products, visit our website at www.yalecommercial.com.

Click on the "Literature" button to find:

• Catalogs
• Parts manuals
• Templates
• Specifications
• Installation instructions

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**ASSA ABLOY Door Security Solutions - Canada**
*Address:* 160 Four Valley Drive, Vaughan, Ontario L4K4T9 Canada
*Tel:* 1-800-461-3007 • *Fax:* 1-905-738-2478 ● www.assaabloy.ca

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