

L Series

Cabinet Locks

dormakaba

BEST: Setting the Standard for Security

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3L Series Deadbolt

Operation–Deadbolt locked and unlocked by key. Must be locked by key after door is closed. Key may be withdrawn in locked position and unlocked position.

Specifications

Material – Bolt is stainless steel, springs are phosphor bronze, all other parts are brass.

Backset – 7/8″

Bolt – 1 1/8″ x 3/16″ – 3/4″ throw

Case – Height 1 21/32″, width 2 1/8″, thickness 21/32″, hole spacing 1 39/64″ x 1 1/4″

Cylinder diameter – 1 1/8″

Cylinder length – 7-pin tumbler, 1 13/64″

Finish – Base finish 606 unless otherwise specified.

Keeper plate – None supplied.

Products protected by one or more of the following patents:

U.S.
4531390 4663839 4055973 4722204 5794472 4531389 4075878
4768360 4843852 4633690 4616394 D290085 5590555

Canada
1229234



3L7RD2 (Vertical Only)

How To Order – 3L

3L	7	R	D	2	606	Std.
Series	**Core**	**Mounting Housing**	**Latch Type**	**Hand Type**	**Standard Finish**	**Cylinder Length**
3L– coin box lock	7– 7 pin housing accepts all BEST cores	R– rim	D– deadbolt	2– vertical	606 612 626 (cylinder only)	Standard 1 1/2″ 2″

5L Series Latchbolt

Specifications

Latchbolt function – Retracted by key to unlock. Key may be withdrawn only in locked position

Deadbolt function – Locked and unlocked by key. Must be locked by key after door is closed. Key may be withdrawn in locked position and unlocked position

Backset – 7/8″

Body thickness – 1/2″

Case – Length 2 1/8″, width 2 19/32″, thickness 21/32″, hole spacing 2 3/16″

Cylinder diameter – 1 1/8″

Cylinder length – 1 1/16″

Deadbolt – 3/4″ x 25/64″ – 1/2″ throw

Door thickness – 5/8″ minimum for rim type, 21/32″ minimum for mortise type.

Face – 1 7/8″ x 21/32″

Latchbolt – 3/4″ x 25/64″ – 9/32″ throw

Material – Nickel plated zinc case and bolts, stainless steel cover, phosphor bronze spring.

Strike plate – 3/64″ x 11/16″ x 1 7/8″, hole spacing 1 7/16″, 1 1/4″ wide lip.

T-Option – Key is removeable only in locked position. (Deadbolt Only)

5L Series – Latchbolt Mounting Positions



Rim (Vertical Mounting)



Mortise (Vertical Mounting)



Left-hand (Vertical Mounting)



Inverted

5L Series – Deadbolt Mounting Positions



Rim (Vertical Mounting)



Mortise (Vertical Mounting)



Left-hand (Vertical Mounting)



Inverted

5L Series – Strikes

Strike plate specification – 3⁄64" x 11⁄16" x 1 7⁄8"; hole spacing 1 7⁄16"



A-450
A00450



A-451
A00451



A-452
A00452



A-453
A00453

Standard strike supplied unless otherwise specified

How To Order – 5L

5L	7	R	D	2	606	
Series	**Core**	**Mounting Housing**	**Latch Type**	**Hand**	**Standard Finish**	**Options**
5L	7– 7 pin housing accepts all BEST cores	M– mortise R– rim	D– deadbolt L– latchbolt	2– vertical 5– inverted	606 612 626 (cylinder only)	T– deadlock (deadbolt only) TR– special trim ring

8L Series – Mail Box Locks

The 8L7SPR mailbox lock features the convenience of the interchangeable core, allowing quick combination change, and is adaptable to a number of different mailbox manufacturers. The 8L7SPR can be masterkeyed into any existing BEST® system. Variations are available for adaptation purposes.

To order: Specify mail box manufacturer and style number, and/or send sample of mail box door.

Specifications

Housing – Steel, zinc plated.

Cylinder – Machined from solid aluminum.

Cylinder head diameter – 1 1/8".

Latchbolt – 9/32" square with bevel.

Handing – Right-hand standard – 8LSPR.

Finish – 627 standard.

Call product support for manufacturer model assistance 800-392-5209.



8L7SPR (Inside)

1E Series – Slabbed Cabinet Mortise Cylinders

The special cylinders are threaded to the head, mounted with a hex nut, and slabbed on both sides to prevent turning in the mounting hole.

Specifications

Length – 1ED7D4: 1 15/32" from head to cam.
1EE7E4 1 1/4" from head to cam.

Cylinder diameter – 1 5/32", 7/8" across flats.

Thread – 1.150 - 32 (NS - 2A).

Finish – 626 standard.



1ED7D4
Direct motion cam prevents key from being withdrawn in unlocked position. Reversible cam may be assembled for required hand at installation.



1EE7E4
270° lost motion cam permits key to be withdrawn when locked or unlocked.

RP Standard Ring Package
The RP standard ring package includes a 1E-R3 (3⁄16") and 1E-R5 (3⁄8") ring.



1E-R3– 3⁄16" **1E-R5 – 3⁄8"**

RP1 Ring Package
The RP1 ring package for the 1E-76 cylinder includes a1E-R2 (1⁄8") and 1E-R3 (3⁄16") ring.



1E-R2 – 1⁄4" **1E-R3 – 3⁄16"**

RP2 Ring Package
The RP2 ring package for the 1E-64 cylinder includes a 1E-R2 (1⁄8") and 1E-R4 (1⁄4") ring.



1E-R2 – 1⁄4" **1E-R4 – 1⁄4"**

RP3 Ring Package
The RP3 ring package for the 1E-62, 1E-72 and 1E-74 cylinders includes a 1E-R2 (1⁄8") and a 1E-R5 (3⁄8")



1E-R2 – 1⁄8" **1E-R5 – 3⁄8"**

Note: RP5 includes – 1ER2, 1ER4 & 1ER5

How To Order – 1E

1E	7	E4	RP3	626
Cylinder Diameter	**Core Housing**	**Function Code**	**Rings**	**Finishes**
1ED– 1 5⁄32" 1EE– 1 5⁄32"	7– 7 pin housing accepts all BEST cores	D4– direct motion E4– lost motion	RP– 3⁄16" and 3⁄8" RP1– 1⁄8" and 3⁄16" RP2– 1⁄8" and 1⁄4" RP3– 1⁄8", 1⁄4" and 3⁄8"	605 606 612 613 625 626

5E Series 3/4" Utility Cylinder

Specifications

5E6 – Series
"A" (Body length) – 31/32"
Body diameter– 3/4"
Body – 6 pin
Head diameter– 7/8"
Finish – 626
"B" (Max. mounting thickness)– 11/16"

5E7 - Series
"A" (Body length) – 1 1/8"
Body diameter – 3/4"
Body – 7 pin
Head diameter – 7/8"
Finish – 626
"B" (Max. mounting thickness) – 27/32"



5E– Straight Cam

Standard 5E Assembly unit includes:
Keyed 3/4" with cam (specify cam length - if length is not specified, the 5EC1 x 7/8" will be supplied as standard), hex nut, spacer collar (not supplied unless length is specified), and lock washer.

Application:
Fits standard 3/4" cylinder installations for e.g. desks, file cabinets, coin-operated vending machines, utility cabinets, storage cabinets, elevators, and security alarm control panels.

Material finish:
Solid extruded brass cylinder body, 626 finish standard.

Cam motion operation:
TYPE "A" - Standard 5E cylinder key rotates 360° right or left.

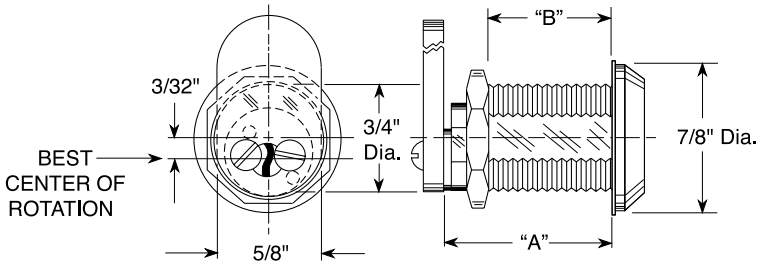
TYPE "B" - Limited motion cam operation 90° or 180° as required.

TYPE "C" - Lost motion cam operation 90°: Key removal with cam in locked or unlocked position.

TYPE "D" - Throw member-type drive. Two throw pins engage key plug from rear of cylinder. (Direct 360° action-R or L.) Throw member types available upon request.

Cam & Spacer Collar:
Cam variations are detailed in the cylinder catalog section and may be modified for use on the 5E cylinder. Standard cams are factory attached to key plug with screws. Spacer collars may be required to position the cam for proper lock operation. The spacer collar is installed between the 5E cylinder head and the mounting surface. Both straight collars and special tapered collars available by request.

To order: For more information see E series catalog section.



How To Order – 5E

5E	7	A	1	2C	606	4B	21	12	R	90	626
Series Body	**Lock**	**Keyway Code**	**Combination Code**	**Cam Motion**	**Ring Length**	**Cam**	**Cam Length**	**Mounting Position**	**Cam Direction**	**Degree of Rotation**	**Finish**
5E–3/4"	6– 6 pin 7– 7 pin cores	designate specific keyway (A, E, etc.)	1– uncombinated 2– combinated	A– direct B– limited C– lost D– throw member	R701– 1/16" R702– 1/8" R703– 3/16" R704– 1/4" R705– 5/16" R706– 3/8" R707– 7/16" R708– 1/2"	1–fixed straight 2A– fixed offset in 2B–fixed offset out 3–lost motion 4A–lost motion offset in 4B–lost motion 4B–lost motion offset out D–direct throw	10– 5/8" 12– 3/4" 14– 7/8" 16– 1" and so forth in 1/16 of inch	3– 3 o'clock 6– 6 o'clock 9– 9 o'clock 12– 12 o'clock	R– right L– left	90– 90° 180– 180° 360– 360°	626– standard

2P Series Push Locks for File Cabinets

Specifications

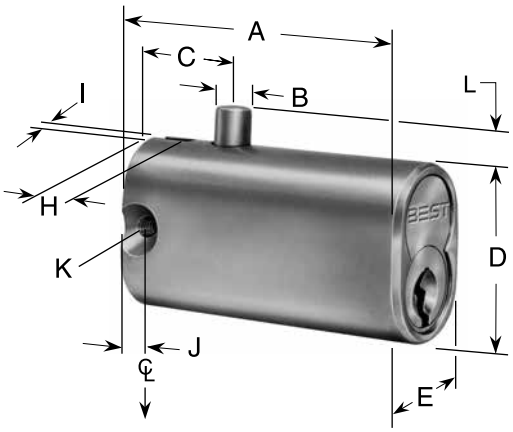
Material – All parts are solid brass; phosphor bronze springs.

Dimensions – See illustrations and table below.

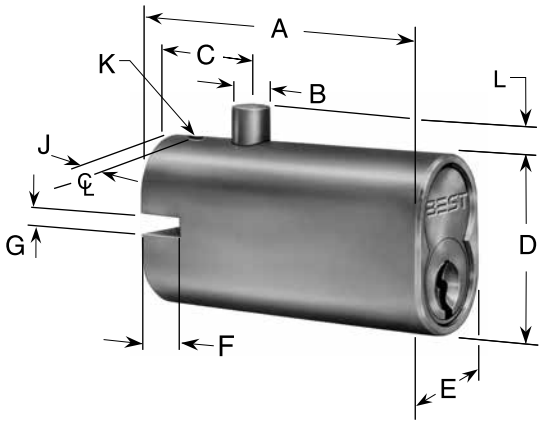
Finish – 2P Series 626 (satin chrome) standard finish.
2P series finish to match satin chrome. (7 pin only).

The 2P series incorporates the BEST® interchangeable core and requires special cabinet preparation. It may be keyed individually, keyed alike, masterkeyed or grand-masterkeyed with other BEST® lock of any type.

To order: Specify proper lock, finish and keying instructions.



2P73 Vertical mounting slot



2P74 Horizontal mounting slot

2P Series Specifications

Dimensions in inches Vertical Mounting Slot												
	A	B	C	D	E	F	G	H	I	J	K	L
2P73 (7Barrel)	2 9⁄32″	1⁄4″	1 9⁄32″	1 1⁄8″	3⁄4″			5⁄16″	1⁄8″	5⁄32″	#6-32	5⁄32″
Horizontal Mounting Slot												
2P74 (7Barrel)	2 9⁄32″	1⁄4″	19⁄32″	1 1⁄8″	3⁄4″	5⁄16″	1⁄8″			5⁄32″	#6-32	5⁄32″

2S Series Push Locks For Sliding Doors

Specifications

Case – extruded brass.
Width – 1 1/2"
Thickness – 23/32"
Inside face plate – 2 3/4" x 7/8", hole spacing 2 3/16".
Detachable face plate – 1/16" x 1 1/8" x 2 3/4", hole spacing 2 3/16".
Strike – 2 3/4" x 1 1/8", 2 3/16" hole spacing.
Finish – 626 supplied unless otherwise specified.



2S73 Surface Mounted
(BHMA E07161)

Function Code Chart

Function Code	Door	Bolt Thickness	Operation
3	7/8" to 1 5/8"	19/32" dia. 1/2" throw	When unlocked, case of lock moves out through door stile and may be used as handle for moving door. To lock 2S73 and 2S74, push case in through door. Spring locking action. To lock 2S75, operate key and push case "IN" through door to engage bolt retaining pin behind strike plate in opposite door.
3 x TBM	7/8" to 1 5/8"	19/32" dia. 1/2" throw	
4 x TBM	7/8" to 1 5/8"	19/32" dia. 3/4" throw	
5 x TBM	3/4" to 1 5/8"	1/2" dia. x 7/16" bolt engagement. 1/8" locking pin	



2S74 x TBM
Through-Bolt Mounted
(BHMA E07161)

How To Order 2S

2S	7	5	626
Series	**Core Housing**	**Function Code**	**Standard Finish**
2S– push lock for sliding door accepts all BEST cores	7– 7 pin housing	see above	626

Must specify key mark and number of keys or designate L/C for less core.



2S75 Surface Mounted with retaining pin
(BHMA E07181)

3S Series Sliding Panel Locks

Specifications

Strike strap – stainless steel, 1/2" wide.

Locking housing – aluminum.

Finish – 627 aluminum only.

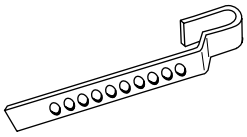
Operation – A stainless steel strap mounts permanently on the inner sliding panel. When panels are closed, the tongue of the strike strap extends beyond the edge of the outer panel. To lock panels, slide lock housing onto overlapping tongue and up against edge of outer panel. Lock by turn of key. Key is removable in locked position only.



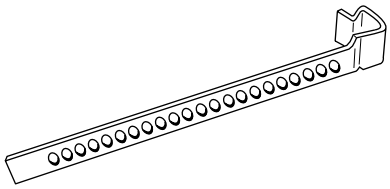
3S75



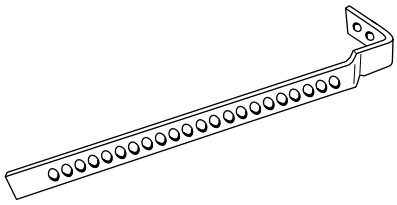
3S77



3SS1



3SS2



3SS5

Specifications

Strike strap	Length	Thickness
3SS1	4 1/4"	1/4"
3SS2	6 1/4"	7/32"
3SS3	6 1/4"	5/16"
3SS4	6 1/4"	13/32"
3SS5	6 1/4"	3/4"

How To Order – 3S

3S	7	5	S2	627
Series	**Core**	**Mounting Housing**	**Latch Type**	**Hand**
3S– sliding panel lock	7– 7 pin housing accepts all BEST cores	5– straight lock housing 7– captured panel lock 8– housing with 1" extension	S1– 4 1/4" x 1/4" S2– standard unless otherwise specified S3– 6 1/4" x 5/16" S4– 6 1/4" x 13/32" S5– 6 1/4" x 3/4"	627– standard

Service Equipment

5ED253 Thread Tap
Matches standard 24 thread on 5E series cylinder locks.

To order specify: 5ED253 thread tap

5ED261 Capping Block
The capping process for single shearline 5E cylinders requires the following:

5E slide caps:

- 5ECP6– 6 pin
- 5ECP7– 7 pin

5E Cylinder:

- 5ED261 Capping Block
- 5ED262 Cap Depressor

Service Equipment for 5E Cylinders (single shearline)
BEST single shearline locks may be combinated to Grand Master, Master and/or any operating combinations in your BEST system. Utilizes the AD433 Key Combinator.
See (D Series) Service Equipment Catalog for details.

5ED250 Combinating Kit (single shearline)
Similar to standard CD431 kit for figure 8 cores, the single shearline kit provides a special 5ED261 capping block, springs (5ES1) and caps (5ECP)

To order specify:

- 5ED250 - 2 (for A2 system)
- 5ED250 - 3 (for A3 system)
- 5ED250 - 4 (for A4 system)

Pin Segments (included in kit)
Close tolerance segments assist in accurate combinating.

To order: Contact your local BEST Representative.

Core Springs (included in kit)
This properly sized spring facilitates consistent action in all BEST figure 8 cores.

To order specify: 22S springs.

Core Caps (included in kit)
Barrels are securely sealed by applied core caps.

To order specify: 21C caps.



5ED253– Thread Tap



5ED261– 5E
Capping Block



5ED250– Combinating Kit
(single shearline)

CORMAX™ Patented Keying System

BEST® CORMAX™ is the premier patented keying system offered by BEST. CORMAX will meet your needs for security, key control, and convenience. A simple solution with no compromising allowed.

CORMAX is the upgrade path for existing BEST Standard, Premium, and MX8 customers; and it is an essential element of non-residential access control as security administrators strive to eliminate the unauthorized duplication of keys.



CORMAX™
Patented Keying System

CORMAX offers the following features and benefits:

- A long-term US utility patent that guarantees the extended useful life of the system through 2027.
- A second, independent locking mechanism that utilizes a patented set of built-in side pins to provide higher security.
- Several levels of geographical exclusivity, including national exclusivity, are available via the patented side pin feature.
- CORMAX cores and keys are available exclusively through BEST sales offices. Key blanks are only sold to individuals authorized by the customer to ensure key blanks do not end up in the possession of unauthorized personnel either inside or outside the customer's facility.
- CORMAX cores are certified to meet the security, safety, and reliability requirements of BHMA A156.5 Grade 1.
- Picking and drilling resistance options are available if higher levels of security are desired.
- Complete factory masterkeying service offered, and at no charge with purchase of BEST locksets and exit devices.
- Keyways are organized in families of four keyways each, with double-milled and quad-milled key levels to facilitate the design of masterkey systems in multi-building campuses.
- BEST CORMAX cores are compatible with all existing BEST interchangeable core housings, eliminating the need for new or modified locksets.



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