

STANLEY[®]

Security Solutions

MORTISE LOCKSETS



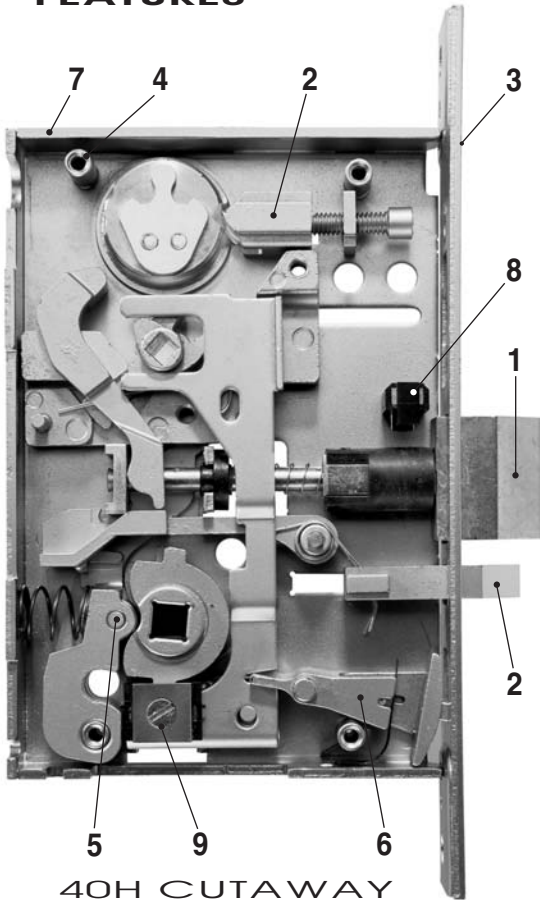
40H SERIES

HEAVY DUTY MORTISE LOCKS



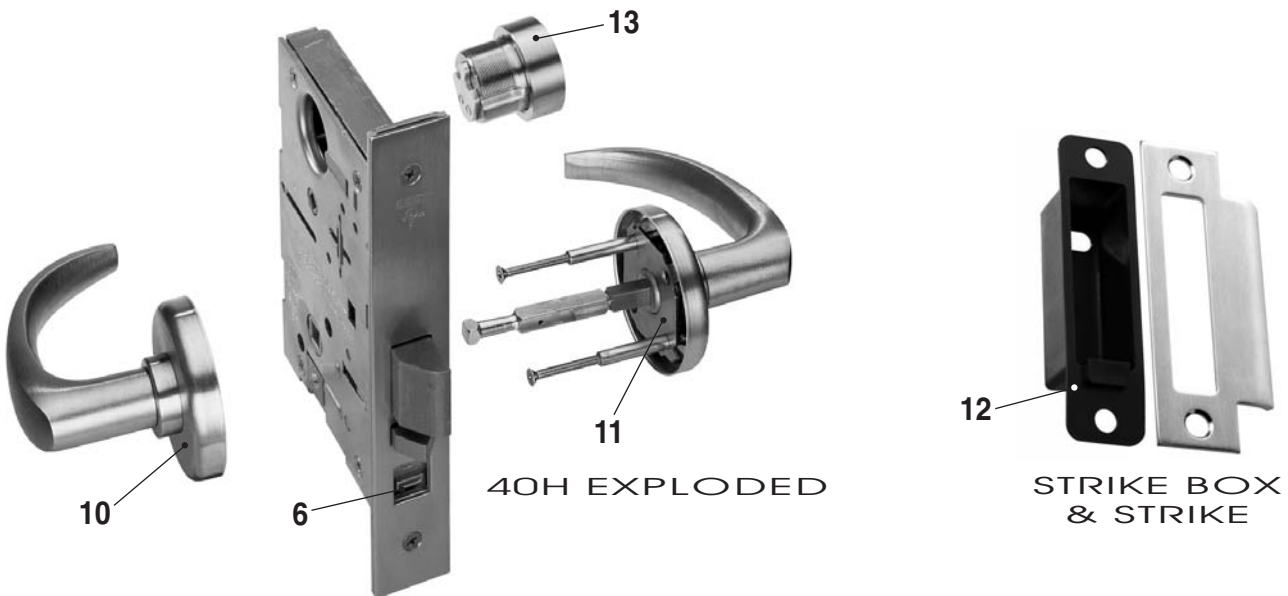
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FEATURES



40H CUTAWAY

1. Solid one-piece stainless steel anti-friction latch provides 50% more surface contact with strike for superior strength and security. Reversible latch rotates 180 degrees for easy handing change without opening case. Precision-engineered curve provides enhanced cycle life with reduced wear to the strike.
2. Non-handed cylinder retainer and stainless steel auxiliary bolt for ease of changing hand.
3. Armored front completely surrounds latch and deadbolt providing increased lateral strength. Staked assembly design allows the armored front to self-align with the door bevel during installation.
4. Enhanced case integrity achieved through four case cover screws (one at each corner), plus interlocking armored front and cover design at the latch.
5. Roller bearing hub mechanism provides smooth, wear resistant operation.
6. Locking toggle includes clear indication of “locked” and “unlocked” states.
7. 40H case, cover, and armored front manufactured from 0.095” cold rolled steel for strength and durability.
8. Fusible link.
9. Four position hub toggle design determines whether each hub is always locked, always unlocked, or locked by key for easy handing change without opening case.
10. Lever return spring mechanism located in trim for enhanced protection against lever droop, providing a firm, positive return of the lever to the horizontal position.
11. Self-aligning trim mechanism for fast, easy, and accurate installation.
12. Curved lip strike and strike box assembly provides an aesthetic, non-handed solution to complement field reversible case.
13. Solid machined cylinder rings with tension spring provide resistance to wrenching of cylinder. Cylinder security screw prevents removal of cylinder without first removing interchangeable core.



40H EXPLODED

STRIKE BOX & STRIKE

The 45H and 47H mortise locks meet or exceeded the following standards:

American National Standards:

45H Series - ANSI A156.13, Series 1000, Grade 1 Operational and Grade 2 Security.



47H Series - ANSI A156.13, Series 1000, Grade 1 Operational and Grade 1 Security.



Underwriters Laboratories®

The 40H series is listed by Underwriters Laboratories for use on a 3 hour A label doors. These locks also carry the C-UL mark which is officially accepted in all of Canada, indicating compliance with appropriate Canadian standards and codes. The 47H series locks conform to UL437 Standard for Key Locks, referencing Door Locks. The 1E7J4 Cylinder used in the 47H series also conforms to UL437 Standard for Key Locks, referencing High Security Cylinders, and is listed for Canada as well as the United States.



Miami-Dade County Code Compliance Office

For the "AB" function the 40H series lock is certified for use in applications requiring a design pressure rating of ± 90 PSF for single doors and ± 50 PSF for double door openings.

The 40H series lock has received a notice of acceptance from Miami-Dade County and is considered Miami-Dade County product control approved.

Products protected by one or more of the following patents:

4873853 Other patents pending.

Case: 0.095" cold rolled steel, 5 $\frac{7}{8}$ " H x $\frac{7}{8}$ " D x 4 $\frac{1}{16}$ " W.

Steel is zinc dichromate plated for corrosion protection.

Faceplate: Brass or bronze material, 8" H x 1 $\frac{1}{4}$ " W x $\frac{1}{16}$ " T.

Lock face automatically adjusts to proper bevel during installation.

Strike: Brass, bronze, or stainless steel base material, 4 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ " x $\frac{3}{32}$ ". Fits standard door frame cut out as specified in ANSI A115.1. Universal (non-handed) strike and strike box combination supplied standard with lock. Handed strikes (for use without strike box) available for special order.

Backset: 2 $\frac{3}{4}$ "

Door Thickness: Standard lock configuration designed for doors 1 $\frac{3}{4}$ " thick. Thick door configuration available for doors up to 5" thick (specify thickness when ordering).

Latchbolt: Solid stainless steel, $\frac{3}{4}$ " throw. Latch is oil-impregnated for anti-friction operation. Reversible without opening case.

40H SPECIFICATIONS

Deadbolt: Stainless steel, 1" throw.

Auxiliary bolt: Stainless steel, non-handed.

#4 Knob: Diameter – 2 $\frac{1}{8}$ "; Projection on door – 2 $\frac{7}{8}$ "
Material machined from solid brass or bronze.

Standard Lever Handles: Brass, bronze, or stainless steel base material for standard lever designs. Lever styles 3, 14, and 15 return to a minimum of $\frac{1}{2}$ " of door surface. Lever styles 3, 14, and 15 conform to California Titles 19 and 24. Lever styles 12, 16 and 17 do not return. Levers project 2 $\frac{15}{16}$ " from door surface with H, J, R and S trim. Levers project 3 $\frac{1}{64}$ " with M and N trim.

Decorative and Special Order Lever Handles: Stainless steel base material with applied finish.

Roses: Wrought brass, bronze, or stainless steel base material. H – Flat w/ round edge, 2 $\frac{3}{4}$ " diameter.

R – Contoured w/ round edge, 2 $\frac{3}{4}$ " diameter.

S – Flat w/ beveled edge, 3 $\frac{1}{2}$ " diameter.

Escutcheons: J – Wrought brass, bronze, or stainless steel base material, 7 $\frac{1}{2}$ " H x 2 $\frac{9}{32}$ " W x $\frac{17}{32}$ " T. M & N – Forged brass or bronze, 8" H x 2 $\frac{1}{8}$ " W x $\frac{11}{64}$ " T, through bolt mounted (no exposed screws outside). M – Standard cylinder; N – Concealed cylinder.

Vandal Trim:

Finishes:

- 605 – bright brass, clear coated
- 606 – satin brass, clear coated
- 611 – bright bronze, clear coated
- 612 – satin bronze, clear coated
- 613* – oxidized satin bronze, oil rubbed
- 618 – bright nickel plated, clear coated (brass base material)
- 619 – satin nickel plated, clear coated (brass base material)
- 622 – flat black coated (brass base material)
- 625 – bright chromium plated (brass base material)
- 626 – satin chromium plated (brass base material)
- 629 – bright stainless steel
- 630 – satin stainless steel
- 690* – dark bronze coated (brass base material)

* 613 finish is designed to wear over time, providing an "antique" appearance. 690 finish will continue as a dark brown appearance over time.

INTRO TO UNIVERSAL LOCK DESIGN CONCEPT

Strength, Durability...and now Flexibility.

Sure, a mortise lock is one of the strongest and longest lasting locks available. But who says it has to be the most complex to order and install? When designing the 40H mortise lock, Best Access Systems decided to focus on things that would make the lock easier to use, while at the same time maintaining the strength, durability, and dependability you would expect in a BEST mortise lock.



In addition to the ability to quickly change the lock handing, the universal case design of the 40H provides the ability to reconfigure a lock into many different functions easily and quickly, often by rearranging existing parts without disassembling the lock case. The efficiency of the design enables over 12 of the most commonly used lock functions to be included in just 3 case configurations.

The 40H provides the ability to postpone decisions on how the lock will be configured all the way up to the point of installation, making it one of the most flexible and user-friendly mortise locks available. This translates into value for anyone involved in the process, whether they're an architect, specification writer, distributor, or end-user.

FLEXIBILITY IN ORDERING

Best Access Systems offers three ways in which to order the 40H mortise lock. YOU get to choose which method meets your needs.

Function Specific Lock

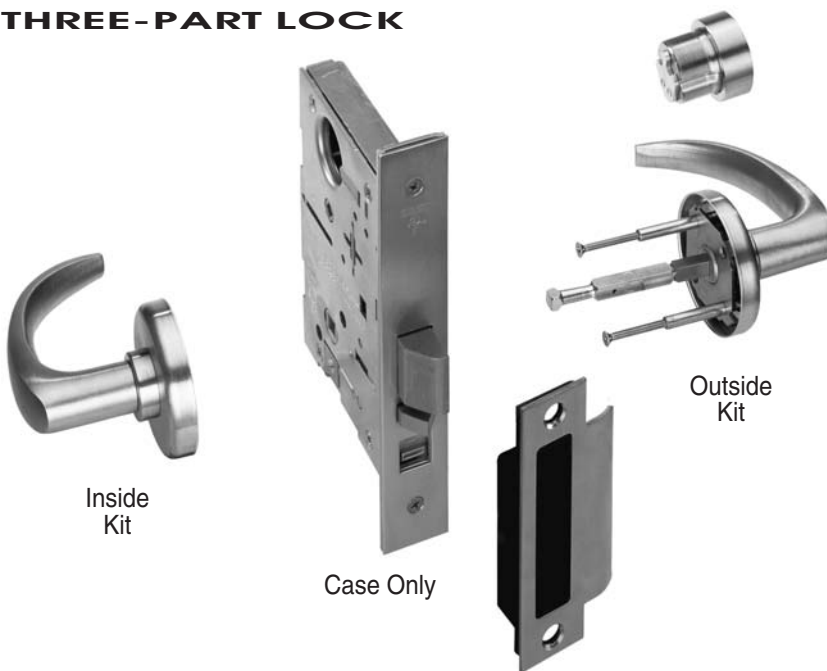
If you know exactly what you need in a mortise lock, and are confident that your needs won't change, then order your 40H locks in the traditional way by specifying the exact function, trim, finish, and handing. BEST will build the locks to work exactly as specified, so they may or may not have the ability to be converted to another function in the future.

Universal Lock

If you want to keep your options open, this method of ordering the 40H is for you. BEST has developed three "universal" functions that can be configured to a variety of common functions, all without opening the lock case. When any of the universal functions are ordered as a complete lock, all the necessary parts (including trim) are provided to configure any of the functions in that group.

UNR	ANSI	UNT	ANSI	UNAB	ANSI
A – office	F04	L – privacy	F19	AB – office	F20
AT – office	F04	T – dormitory	F13	TA – dormitory	F12
D – storeroom	F07			TD – dormitory	
N – passage	F01				
NX – exit	F31				
R – classroom	F05				

THREE-PART LOCK



For the maximum flexibility in ordering a mortise lock, BEST provides a way to order your 40H lock in three parts: Inside Trim, Case Only, and Outside Trim. The kits that make up these three parts have been carefully designed so that when all three are combined you have everything found in a complete 40H lock.

This order method is ideal for customers wanting to stock a variety of trim designs with a minimal number of lock cases.

PARTS ORDERING MADE EASY

No more searching through service manuals or calling technical support for the right part numbers. BEST has developed a variety of kits you can order when you only need part of a 40H mortise, rather than the whole lock.

Case Only

A Case Only lock includes all parts normally included with a complete lock that are not specifically associated with either the inside or outside trim, including: lock case, faceplate, strike and strike box, fasteners (for case and strike), and installation instructions.

Case Only mortise locks will be shipped in the standard mortise packaging, allowing trim kits to be included at a future date to make a complete lock.

Trim Kits

A 40H Trim Kit is simply one half of a complete trim package. An Outside Trim Kit must always be matched up with an Inside Trim Kit to operate with a lock. Each kit includes all the necessary parts (including fasteners) required for installation that are associated with just the one side of the door.

Strike Packages

The universal (non-handed) strike & strike box combination is supplied as standard for all 40H functions. For applications where the strike box cannot be installed in the frame, handed strikes can be ordered. Security Head screws are an option for this kit.

Lever Sets

A lever set kit provides the inside lever assembly (with set screw) and outside lever assembly (with spindle attached). Thick Door and Tactile Lever options are available for this kit.

Faceplate Kits

The Face Plate kit includes a finished faceplate and the appropriate screws. Security Head screws are an option for this kit.

Replacement Spindles

As a security feature, the outside spindle on the 40H is designed to twist off during abuse before any internal damage to the lock occurs. The Replacement Spindle kit is a quick, easy, and inexpensive way to replace any spindles damaged by attack or abuse. This kit includes the inside and outside spindles, plus the pin to attach the outside lever.

Screw Kits

Nothing's more frustrating than spending time searching for the part number of a single screw. With the 40H Screw Kits, you don't have to worry about that anymore. These kits have been designed to provide all the necessary fasteners for one lock in a single bag. All you need to know is the trim style and finish, and you're set. Security head screws are an option for this kit.

FUNCTION LETTER CHANGES

With the introduction of the 40H mortise lock, BEST has decided to alter the mortise function letter designations to bring them in alignment with the BEST cylindrical lock functions. This way, a classroom lock will be "R" and a store-room lock will be "D", regardless of which lock family is used.

35H	45H	ANSI
1DT	1DT	
2DT	2DT	
E	A	F04
AW	AB	F20
	AT	F04
B	B	F21
B4/B5	B5	
B6/B7	B7	
A	BA	F08/F10
BW	BW	
G	C	F09
GHB	CHB	
EW	D	F07
C	G	F14
HF	H	F15
HJ	HJ	F15
IND	IND	F33
INL	INL	F32
LF	L	F19
L	LB	F02
	LT	
N	N	F01
Y	NX	F31
J	R	F05
JHB	RHB	F06
W	S	F35
FW	T	F13
F	TA	F12
FD	TD	
WW	W	F30
P	AD	F17
R	RD	F29
T	WD	F16
S	YD	F18
	UNR	
	UNT	
	UNAB	

HOW TO ORDER: 45H

45H Series	7 Core Housing	R Function Code	14 Lever/Knob Style	H Trim Style	626 Finishes	RH Door Hand	Options
45H- standard mortise lock	7- 7 pin housing accepts all Best cores	A- office D- storeroom L- privacy N- passage R- classroom T- dormitory etc. page 10-13	Standard Levers: 3- solid tube/return 12- solid tube/no return 14- curved return 15- contour/angle return 16- curved/no return 17- gull wing Decorative & special order levers: See special section in this catalog Knobs: 4- round page 3	H- 2 3/4" dia. R- 2 3/4" dia. S- 3 1/2" dia. J- wrought M- forged N- forged (concealed cylinder) MV*- Vandal trim (forged escutcheon; 14, 15, 16 lever style only) page 3	618 626 630 690 Satin 606 612 613 619 Bright 605 611 625 629 page 3	RH RHRB LH LHRB page 3	LL- lead lined SH- security head screws Thick Door- (specify thickness if other than 1 3/4") TAC- tactile lever/knob 7/8 LTC- 7/8" lip-to-center strike VIN*- visual indicator RQE- request-to-exit

* These options and styles may not be immediately available.

HOW TO ORDER: 47H

47H Series	7 Core Housing	R Function Code	14 Lever/Knob Style	M Trim Style	626 Finishes	RH Door Hand	Options
47H- lever/ knob high security mortise lock	7- 7 pin housing, must use 5C cores and long blade keys	A- office D- storeroom R- classroom T- dormitory etc. page 3	Standard Levers: 3- solid tube/return 12- solid return no return 14- curved return 15- contour/angle return 16- curve/no return 17- gull wing Knobs: 4- round page 3	M- forged MV*- vandal trim (forged escutcheon; 14, 15, 16 lever styles only)* page 3	626 630 page 3	RH RHRB LH LHRB page 3	K- non UL cylinder LL- lead lined Thick Door- (specify thickness if other than 1 3/4") TAC- tactile lever/knob RQE- request-to-exit

* These options may not be immediately available.

HOW TO ORDER: 45H CASE ONLY

45HCA Series	R Function Code	626 Finishes	RH Door Hand	Options
45HCA- case only mortise lock	A- office D- storeroom R- classroom T- dormitory etc. page 10-13	605 606 611 612 613 618 619 625 626 629 630 690 page 3	RH RHRB LH LHRB page 3	SH- security head screws

HOW TO ORDER: 40H TRIM KITS

40HTK Series	OS2 Function Code	14 Lever/Knob Style	H Trim Style	626 Finishes	Options
40HTK- trim kit	IS1- inside lever only IS2- inside lever x thumb turn IS3- inside lever x cylinder IS4*- inside cylinder only IS5- inside thumb turn only IS6- inside lever x cylinder x visual indicator OS1- outside lever only OS2- outside lever x cylinder OS3- outside lever x access plate OS4*- outside cylinder only OS5- outside lever x visual indicator OS6- inside lever x cylinder x visual indicator page 10-13	Standard Levers: 3- solid tube/return 12- solid tube no return 14- curved return 15- contour/angle return 16- curve/no return 17RH- right handed gull wing 17LH- left handed gull wing Knobs: 4- round page 3	H- 2 3/4" dia. R- 2 3/4" dia. S- 3 1/2" dia. J- wrought M- forged N- forged (concealed cylinder) page 3	605 606 611 612 613 618 619 625 626 629 630 690 page 3	D- double cylinder Thick Door- (specify thickness if other than 1 3/4") SH- security head screws TL- tactile lever/knob

* Only works with H, R, S, M and N trim.

HOW TO ORDER: 40H STRIKE PACKAGES

40HST	1	626	RH	
Series	Kit Number	Finishes	Door Hand	Options
40HST- strike package	1- universal strike (non handed) 3RH- S3 strike, RH 3LH- S3 strike, LH page 4-5	605 606 611 612 613 618 619 625 626 629 630 690 page 3	RH RHRB LH LHRB page 3	Thick Door- (specify thickness if other than 1 3/4") 7/8LTC- 7/8" lip-to-center strike SH- security head screws

HOW TO ORDER: 40H LEVER SETS

40HLS	14	626	
Series	Lever/Knob Style	Finishes	Options
40HLS- lever set	Levers: 3- solid tube/return 12- solid tube/no return 14- curved return 15- contour/angle return 16- curve/no return 17RH- right handed gull wing 17LH- left handed gull wing Knobs: 4- round page 3	605 606 611 612 613 618 619 625 626 629 630 690 page 3	Thick Door- (specify thickness if other than 1 3/4") SH- security head screws

HOW TO ORDER: 40H FACEPLATE KITS

40HFP	3	626	
Series	Kit Number	Finishes	Options
40HFP- faceplate kit	0- AB 1- BW, TD, H, HJ 2- A 3- AT, D, C, INL, NX, R, W 4- N, LT 5- AD, RD, YD, WD 6- blank 7- BA, S, TA 8- B, G, IND, L, LB, T page 4-5	605 606 611 612 613 618 619 625 626 629 630 690 page 3	SH- security head screws

HOW TO ORDER: 40H REPLACEMENT SPINDLES

40HRS	2	
Series	Function Code	Options
40HRS- replacement spindle kits	2- 40H split spindle (standard) 4- 40H hook spindle * page 3	Thick Door- (specify thickness if other than 1 3/4")

*Hook spindle is available for 1 3/4" thick door only.

HOW TO ORDER: 40H SCREW KITS

40HSK	1	626	
Series	Kit Number	Finishes	Options
40HSK- screw kits	1- H, R, S, J trim screw kit 2- M, N trim screw kit 3- special purpose fasteners screw kit 4- special mounted trim screw kit 5- VIN trim screw kit page 4-5	606 612 613 626 page 3	Thick Door- (specify thickness if other than 1 3/4") SH- security head

SPECIAL FEATURES

Lead Lined Feature – The 40H mortise lock can be lead lined to protect against x-rays. Since the majority of lead lined doors contain the lead in the surface of the door, the 40H provides lead lining for the holes cut in the door when preparing the door for the trim. The two holes that are lead lined are the lever hole and the cylinder hole. (except in double cylinder or non-keyed functions).

To order: designate “LL” on order procedure (page 6-7)

Security Head Screws – Security head screws.

To order: designate “SH” on 45H/47H in order procedure (page 6-7).

Tactile Feature Knob/Lever – This option is for use in applications where special notice is needed to warn the blind about safety or accessibility environments. Depending on the style ordered, the knob or lever will receive either grooves or knurling as the tactile feature.

To order: designate “TL” on 45H/47H knobs/levers in order procedure (page 6-7).

Visual Indicators Feature – This option adds a visual indicator for certain functions that visually reflects whether the lockset is in the locked or unlocked position. This option is available for the following functions: TD– Dormitory, IND– Intruder, INL– Intruder, L– Privacy, LT– Privacy. It is standard on the H– Hotel function.

SERVICE EQUIPMENT

ED 211 Mortise Cylinder Wrench –

The Best mortise cylinder wrench and test handle is an essential dual-purpose tool. It is used primarily to install or remove Best mortise cylinders without marring the cylinder surface finish. The single end may be used to test the lock operation, as well as align the throw pins.

To order specify: ED 211 mortise cylinder wrench.



ED211

ED 212 Mortise Cylinder Cam Assembly Tool –

Mortise cylinder cams are quickly changed with the use of this tool. Approximate length 1 3/4”.

To order specify: ED 212 assembly tool.



ED212

ED 221 Mortise Cylinder Thread Repair Die –

Tool for rethreading 1 5/32” diameter cylinders.

To order specify: ED 221 thread repair die.

ED 225 Hole Tap for 1 5/32” Mortise Cylinder –

Tap tool used to rethread housing threads for 1E Mortise Cylinders.

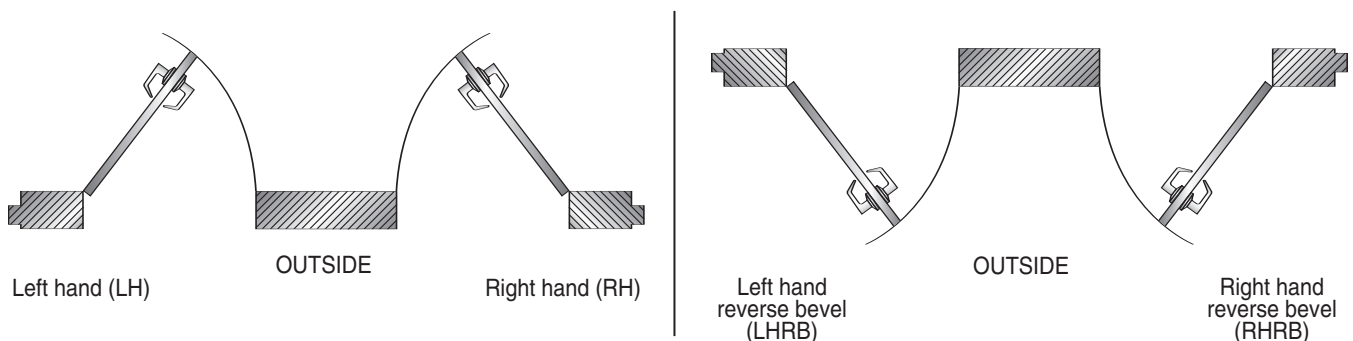
To order specify: ED 225 hole tap.

KD 316 Spanner Wrench (C54466) –

All “H” locksets require the use of the KD 316 spanner wrench for door mounting.

This tool is include with every (10) locksets ordered. If more are needed designate quantity and **KD 316** on your order.

HAND OF DOOR



Left hand (LH)

OUTSIDE

Right hand (RH)

Left hand
reverse bevel
(LHRB)

OUTSIDE

Right hand
reverse bevel
(RHRB)

40H SERIES - STANDARD LEVERS & TRIMS



**Knob- 4
Rose - H**



**Knob- 4
Rose - R**



**Knob- 4
Rose - S**



**Knob- 4
Escutcheon - J**



**Knob- 4
Escutcheon - N**



**Lever- 3
Rose - H**



**Lever- 12
Rose - H**



**Lever- 14
Rose - H**



**Lever- 15
Rose - H**



**Lever- 16
Rose - H**



**Lever- 17
Rose - H**



**Lever- 3
Rose - R**



**Lever- 12
Rose - R**



**Lever- 14
Rose - R**



**Lever- 15
Rose - R**



**Lever- 16
Rose - R**



**Lever- 17
Rose - R**

40H SERIES - STANDARD LEVERS & TRIMS



Lever- 3
Rose - S



Lever- 12
Rose - S



Lever- 14
Rose - S



Lever- 15
Rose - S



Lever- 16
Rose - S



Lever- 17
Rose - S



Lever- 3
Escutcheon - J



Lever- 12
Escutcheon - J



Lever- 14
Escutcheon - J



Lever- 15
Escutcheon - J



Lever- 16
Escutcheon - J



Lever- 17
Escutcheon - J



Lever- 3
Escutcheon - M



Lever- 12
Escutcheon - M



Lever- 14
Escutcheon - M



Lever- 15
Escutcheon - M



Lever- 16
Escutcheon - N



Lever- 17
Escutcheon - N

40H SERIES - DECORATIVE LEVERS



50



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52



53



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55



60



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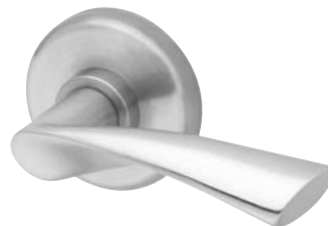
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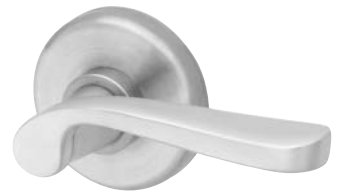
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40H SERIES - DECORATIVE LEVERS



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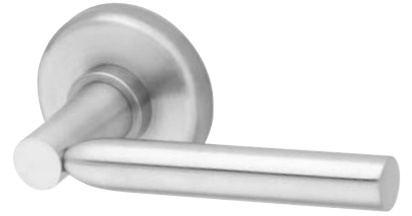
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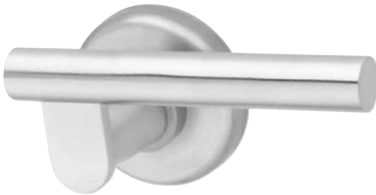
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40H SERIES - DECORATIVE LEVERS



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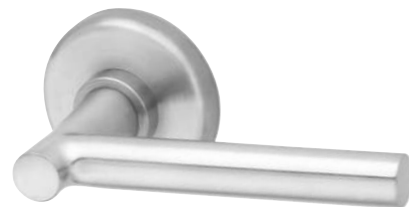
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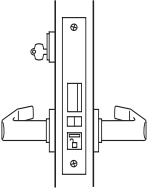
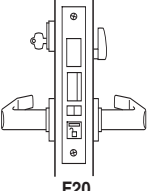
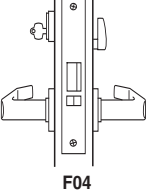
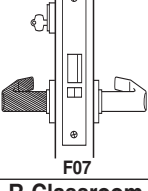
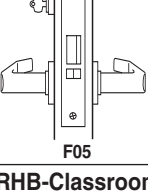
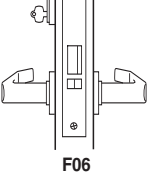
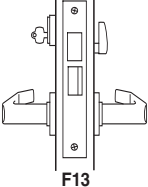


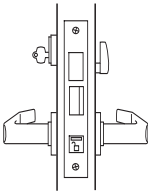
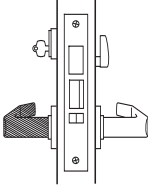
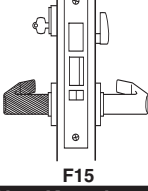
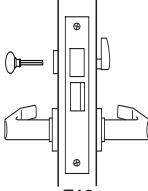
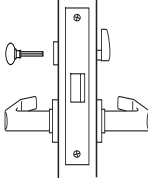
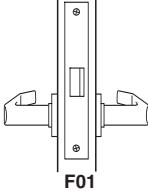
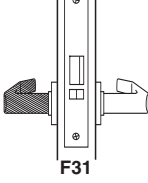
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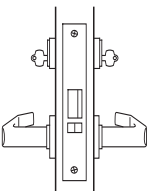
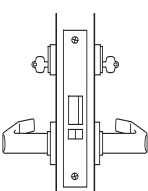
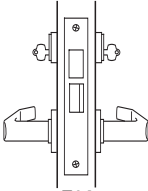
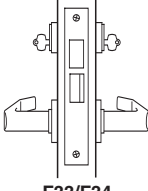
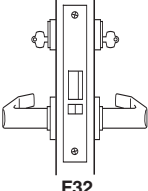
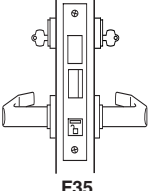
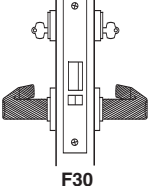
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FUNCTIONS

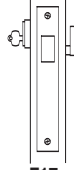
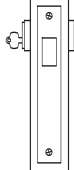
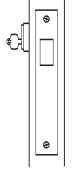
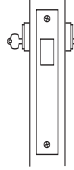
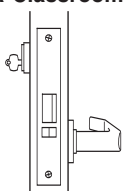
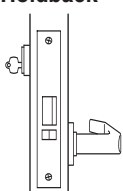
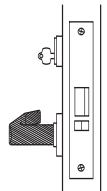
Function & Diag. ANSI No.	Description	Outside Lever or Knob			Inside Lever or Knob	
		Latch operated by	Deadbolt operated by	Locked by	Unlocked by	Locked by
Single Keyed						
 A-Office F04	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever—only when locking toggle is in unlocked position, <u>OR</u> Turning key in outside cylinder. 	N/A	Placing locking toggle in locked position	Placing locking toggle in unlocked position	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 AB-Office F20	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever—only when locking toggle is in unlocked position, <u>OR</u> Turning key in outside cylinder. 	<ul style="list-style-type: none"> Turning key in outside cylinder, <u>OR</u> Inside turn lever, <u>OR</u> Inside lever retracts deadbolt and latch simultaneously 	<ul style="list-style-type: none"> Placing locking toggle in locked position, <u>OR</u> Projecting deadbolt by key or turn lever 	Turning key in outside cylinder and placing locking toggle in unlocked position	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 AT-Office F04	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever only when unlocked by key or turn lever, <u>OR</u> Turning key in outside cylinder. 	N/A	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Turn key in outside cylinder 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Turning key in outside cylinder. 	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 D-Storeroom F07	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Turning key in outside cylinder. 	N/A	Always locked	Cannot be unlocked	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 R-Classroom F05	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever only when unlocked by key, <u>OR</u> Turning key in outside cylinder. 	N/A	Turning key in outside cylinder	Turning key in outside cylinder	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 RHB-Classroom Holdback F06	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Turning key in outside cylinder, <u>OR</u> Outside lever except when locked by outside key, <u>OR</u> Latchbolt held retracted by turning O/S key while holding up I/S lever 	N/A	Turning key in outside cylinder	Turning key in outside cylinder	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
 T-Dormitory F13	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever—only when deadbolt is retracted <u>OR</u> Turning key in outside cylinder 	<ul style="list-style-type: none"> Turning key in outside cylinder, <u>OR</u> Inside turn lever, <u>OR</u> Inside lever retracts deadbolt and latch simultaneously 	<ul style="list-style-type: none"> Turning key in outside cylinder, <u>OR</u> Turning inside turn lever. 	<ul style="list-style-type: none"> Turning key in outside cylinder, <u>OR</u> Turning inside turn lever, <u>OR</u> Rotating inside lever. 	Cannot be locked	Always unlocked

Function & Diag. ANSI No.	Description	Outside Lever or Knob			Inside Lever or Knob	
		Latch operated by	Deadbolt operated by	Locked by	Unlocked by	Locked by
Single Keyed (continued)						
TA-Dormitory  F12	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever only when locking toggle is in unlocked position and deadbolt is retracted, <u>OR</u> Turning key in outside cylinder. 	<ul style="list-style-type: none"> Turning key in outside cylinder, <u>OR</u> Turning inside turn lever. (Rotating inside knob/lever retracts deadbolt and latch simultaneously.) 	<ul style="list-style-type: none"> Placing locking toggle in locked position, <u>OR</u> Projecting deadbolt by key or turn lever. 	Turning key in outside cylinder and placing locking toggle in unlocked position.	Cannot be locked	Always unlocked
TD-Dormitory  F12	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Turning key in outside cylinder. 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Rotating inside lever retracts deadbolt and latch simultaneously., <u>OR</u> Turning key in outside cylinder 	Always locked	Cannot be unlocked	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
HJ-Hotel  F15	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Turning key in outside cylinder. 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Turning emergency key in outside cylinder. (Rotating inside lever retracts deadbolt and latch simultaneously.) 	Always locked	Cannot be unlocked	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch. Throwing deadbolt blocks out all keys except "ER" key.						
Non-Keyed						
L-Privacy  F19	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever only when deadbolt is retracted. 	<ul style="list-style-type: none"> Turning the emergency key, <u>OR</u> Turning inside turn lever. (Rotating inside knob/lever retracts deadbolt and latch simultaneously.) 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Turning the emergency key. 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Rotating inside lever retracts latch and deadbolt simultaneously, <u>OR</u> Turning the emergency key. 	Cannot be locked	Always unlocked
LT-Privacy  F19	<ul style="list-style-type: none"> Rotating inside lever, <u>OR</u> Rotating outside lever only when turn knob is unlocked. 	N/A	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Turning the emergency key. 	<ul style="list-style-type: none"> Turning inside turn lever, <u>OR</u> Rotating inside lever, <u>OR</u> Turning the emergency key. 	Cannot be locked	Always unlocked
N-Passage  F01	Rotating inside or outside lever	N/A	Cannot be locked	Always unlocked	Cannot be locked	Always unlocked
NX-Exit  F31	Rotating inside lever	N/A	Always locked	Cannot be unlocked	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						

FUNCTIONS

Function & Diag. ANSI No.	Description	Outside Lever or Knob			Inside Lever or Knob	
		Latch operated by	Deadbolt operated by	Locked by	Unlocked by	Locked by
Double Keyed*						
 *C-Public Entrance F09	<ul style="list-style-type: none"> Rotating inside lever, OR Rotating outside lever only when unlocked by key in inside cylinder, OR Turning key in outside cylinder only. 	N/A	Turning key in inside cylinder	Turning key in inside cylinder	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch. When required, inside cylinder may be combined to operate by master key only.						
 CHB-Holdback	<ul style="list-style-type: none"> Turning outside key, OR Rotating outside lever only when unlocked by key in inside cylinder, OR Inside lever, OR Latchbolt held retracted by turning inside key while holding up on inside lever. 	N/A	Turning key in inside cylinder	Turning key in inside cylinder	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch.						
 G-Communicating F14	Rotating inside or outside lever—only when deadbolt is retracted	Turning key in inside or outside cylinder	Turning key in inside or outside cylinder	Turning key in inside or outside cylinder	Turning key in inside or outside cylinder	Turning key in inside or outside cylinder
 IND-Intruder F33/F34	<ul style="list-style-type: none"> Turning key in inside or outside cylinder, OR Rotating outside lever when deadbolt is retracted, OR Rotating inside lever 	<ul style="list-style-type: none"> Turning key in outside or inside cylinder, OR Rotating inside lever (Retracts the deadbolt and latch simultaneously) 	Extending the deadbolt by turning key in inside or outside cylinder	<ul style="list-style-type: none"> Retracting the deadbolt by turning key in inside or outside cylinder, OR Rotating inside lever (Retracts the deadbolt and latch simultaneously) 	Cannot be locked	Always unlocked
 INL-Intruder F32	<ul style="list-style-type: none"> Rotating inside lever, OR Rotating outside lever only when unlocked by inside or outside key, OR Turning key in inside or outside cylinder. 	N/A	Turning key in inside or outside cylinder	Turning key in inside or outside cylinder	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch. When required, inside cylinder may be combined to operate by master key only.						
 *S-Storeroom F35	<ul style="list-style-type: none"> Rotating inside lever, OR Rotating outside lever only when locking toggle is in unlocked position and deadbolt is retracted, OR Turning key in inside or outside cylinder. 	Turning key in inside or outside cylinder	Placing locking toggle in locked position	Turning key in outside cylinder or inside cylinder and placing locking toggle in unlocked position	Extending the deadbolt	Retracting the deadbolt
 *W-Storeroom F30	Turning key in inside or outside cylinder	N/A	Always locked	Cannot be unlocked	Always fixed	Cannot be unlocked
The latchbolt is deadlocked with an auxiliary deadlatch. When required, inside cylinder may be combined to operate by master key only.						
* ATTENTION: Locksets that secure both sides of the door are controlled by building codes and the Life Safety Code®. In an emergency exit situation, failure to quickly unlock the inside lever could be hazardous or even fatal.						

FUNCTIONS

Function & Diag. ANSI No.	Description Latch operated by	Outside Lever or Knob			Inside Lever or Knob	
		Deadbolt operated by	Locked by	Unlocked by	Locked by	Unlocked by
Deadlocks						
AD-Deadlock  F17	N/A	<ul style="list-style-type: none"> Turning key in outside cylinder OR Turning inside turn lever. 	N/A	N/A	N/A	N/A
RD-Classroom Deadlock  F29	N/A	<ul style="list-style-type: none"> Turning key in outside cylinder OR Turning inside turn lever.* 	N/A	N/A	N/A	N/A
*Function RD—the inside turn knob retracts deadbolt but will not project it. (Specify hand of door.)						
YD-Deadlock  F16	N/A	Turning key in outside cylinder only	N/A	N/A	N/A	N/A
WD-Deadlock  F18	N/A	Turning key in outside or inside cylinder	N/A	N/A	N/A	N/A
Special						
XR-Classroom 	<ul style="list-style-type: none"> Rotating inside lever, OR Turning key in outside cylinder. 	N/A	N/A	N/A	Cannot be locked	Always unlocked
XRHB-Classroom Holdback 	<ul style="list-style-type: none"> Rotating inside lever, OR Turning key in outside cylinder. Latchbolt held retracted by turning O/S key while holding up I/S lever 	N/A	N/A	N/A	Cannot be locked	Always unlocked
The latchbolt is deadlocked with an auxiliary deadlatch						
*ZD-Storeroom 	Turning key in outside cylinder	N/A	Always locked	Cannot be unlocked	N/A	N/A
The latchbolt is deadlocked with an auxiliary deadlatch						

***ATTENTION:** Locksets that secure both sides of the door are controlled by building codes and the Life Safety Code®. In an emergency exit situation, failure to quickly unlock the inside lever could be hazardous or even fatal.

48H/49H SERIES-MORTISE DEADLOCKS

Specifications

Case: 0.095" cold rolled steel, 3 3/8" x 4 3/16" x 1". Steel is zinc dichromate plated for corrosion protection.

Faceplate: Brass or bronze material, 5 3/8" x 1 3/16" x 7/32".

Strike: Brass, bronze, or stainless steel base material.

48HS1: Flat strike supplied standard, 3 1/2" x 1 1/8" x 3/32" Fits standard door frame cut out as specified in ANSI A115.5.

48HS2: Lipped strike supplied as option, 4 7/8" x 1 1/4" x 3/32".

Fits standard door frame cut out as specified in ANSI A115.1.

Backset: 2 3/4"

Door Thickness: Standard lock configuration designed for doors 1 3/4" thick. Thick door configuration available for doors up to 3" thick (specify thickness when ordering).

Note: Thick door not available in "R" function.

Deadbolt: Stainless steel, 1" throw

Trim: 48H: Cylinder and trim ring only.

49H: M escutcheon supplied; refer to 47H specification for dimensions.

Finishes: 48H: Available in all finishes offered for 45H.

49H: Available in 626 only.



48H/49H FUNCTION CHART

Function & Diag. BHMA#	Deadbolt operated by:	Function & Diag. BHMA#	Deadbolt operated by:
<p>*K-Cylinder Deadlock</p> <p>EO6071</p>	<ul style="list-style-type: none"> Rotating the inside thumb turn rosette, <u>OR</u> Turning the outside key. 	<p>*M-Cylinder Deadlock</p> <p>EO6061</p>	Turning the outside or inside key
<p>*L-Cylinder Deadlock</p> <p>EO6081</p>	Turning the outside key	<p>*R-Cylinder Deadlock</p> <p>EO6091</p>	<ul style="list-style-type: none"> Turning the outside key. Rotating the inside thumb turn cylinder assembly retracts the deadbolt, but will not project it.

***ATTENTION:** Locksets that secure both sides of the door are controlled by building codes and the Life Safety Code®. In an emergency exit situation, failure to quickly retract the deadbolt could be hazardous or even fatal.

NOTES: Specify the hand of door when ordering. The R function deadlock can only be used on 1 3/4" thick doors.

HOW TO ORDER - 48H/49H SERIES

48H Series	7 Core Housing	K Function Code	S1	626 Standard Finishes	Options
48H- standard 49H- high security	7-7-pin housing 48H accepts all Best cores; 49H only 5C cores	K- cylinder x turn L- cylinder only M- double cylinder R- classroom cylinder x turn	S1- flat strike (default) S2- ANSI strike	48H- 605 606 611 612 613 618 619 625 626 690 49H- 626 ONLY	48H: SH- security head 49H: K- non UL cylinder

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

A. Locksets and Latchsets:

[Best Access Systems.] - [_____] [_____]

1. Base Specification: Best Access Systems components as listed in Hardware Schedule per Article 3.05.
2. Locksets and latchsets of other acceptable manufacturers must conform to the requirements of Subparagraphs 3 and 4.
3. Mortise Type:
 - a. Locksets shall be tested and approved by BHMA for ANSI A156.13, Series 1000, Operational Grade 1, Extra-Heavy Duty, Security Grade 2 and be UL10C
 - b. Locksets shall be mortise type with solid 3/4 inch throw one-piece radiused latchbolt made of self-lubricating stainless steel. Deadbolt functions shall be one inch projection stainless steel construction. Both deadbolt and latchbolt to extend into lock case with reinforcing a minimum of 3/8 inch when fully extended.
 - c. Knobs to be [_____] design.
Levers to be [_____] design.
 - d. Furnish locksets and latchsets with sufficient strike lip to protect door trim.
 - e. Provide locksets with 7 pin [BEST] interchangeable core cylinders. [All mortise cylinders shall have a concealed internal set screw for securing the cylinder to the lockset. The internal set screw will be accessible only by removing the core from the cylinder body with a control key]
 - f. All mortise locksets and latchsets must conform to ANSI A156.13, Series 1000, Operational Grade 1 [Security Grade 2 for locksets in security areas] and be listed by UL. [High Security Option: All mortise locksets must conform to ANSI A156.13, Series 1000, Operational Grade 1, Security Grade 1 and listed by UL, and must include interchangeable core cylinders which conform to High Security Cylinder requirements of UL 437.]
 - g. Locksets must fit ANSI A115.1 door preparation.
 - h. Locksets and latchsets to have self-aligning through-bolted trim.
 - i. Locksets and latchsets must have the ability to change handing without opening case.
 - j. Auxiliary latch to be made of one-piece self-lubricating stainless steel.
 - k. Locksets must be available with tactile or knurled knobs or levers for identification of hazardous areas.
 - l. Lever handles must be of forged or cast brass, bronze or stainless steel construction and conform to ANSI A117.1.
Levers which contain a hollow cavity are not acceptable.

Subparagraphs m through r describe quality features of Best mortise locksets which may or may not be available from other lock manufacturers. Edit accordingly.

- m. [Spindle to be such that if forced it will twist first, then break, thus preventing forced entry.]
- n. [Knobs and levers to be operated with a roller bearing spindle hub mechanism.]
- o. [Permanent core face must be the same finish as the lockset finish.]
- p. [Cylinder retaining screw, auxiliary latch, and strike must be non-handed.]
- q. [Locking toggle on face of door must clearly indicate whether mortise lock is in the "locked" or "unlocked" state.]
- r. [Cover and armored front must interlock at the latch, preventing the cover from spreading or bowing while under duress.]

Subparagraphs s through x describe quality features of Best mortise locksets which may or may not be available from other lock manufacturers. Subparagraphs s, t, and u should remain as a group, and subparagraphs v, w, and x should remain as a group. Choose either s-u or v-x, but not both groups.

- s. [Mortise lock to offer a complete lock (including trim) with the ability to be configured in the field to any of the following ANSI functions: F01, F04, F05, F07, F31.]
- t. [Mortise lock to offer a complete lock (including trim) with the ability to be configured in the field to any of the following ANSI functions: F19, F13]
- u. [Mortise lock to offer a complete lock (including trim) with the ability to be configured in the field to any of the following ANSI functions: F12, F20]
- v. [Mortise lock to offer a multi-function case with the ability to be configured in the field to any of the following ANSI functions: F01, F04, F05, F07, F09, F30, F31, F32.]
- w. [Mortise lock to offer a multi-function case with the ability to be configured in the field to any of the following ANSI functions: F13, F19, F33.]
- x. [Mortise lock to offer a multi-function case with the ability to be configured in the field to any of the following ANSI functions: F12, F15, F20]



Best Access Systems

A Division of Stanley Security Solutions, Inc.
6161 E. 75th Street Indianapolis, Indiana 46250
www.bestaccess.com

For more information on BEST's full line of security solutions visit our web site at www.stanleysecuritysolutions.com or call 1-317-849-2250 for the name of the Stanley Security Solutions office nearest you.

Product information contained in this catalog has been compiled and presented with as much care and completeness as is reasonably possible. Errors or mistakes may be present, and in many cases, reliance has been placed on information supplied by other manufacturers which may be in error or which may be subject to changes or modifications by the manufacturer without notice and without obligation. Therefore, no guarantee can be made or should be assumed or implied with regards to product information contained in this catalog.

Product Warranty – Best Access Systems warrants that all of its products sold under its trade name "BEST" are free of defects in materials, workmanship and operation, normal wear and tear excepted, for a period of **three years** from the date of sale to the original purchaser.

Concerning Proper Installation: Installation instructions for any Best Access Systems product should be carefully followed for proper operation of the installed product. If improperly installed, malfunction of the product may result.



Security Solutions

Stanley Security Solutions, Inc.

6161 E. 75th Street Indianapolis, Indiana 46250
www.stanleysecuritysolutions.com