MARKSUSA®

ARCHITECTURAL CATALOG

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MARKSUSA

INTRODUCTION

Marks USA Architectural Guide was created to give a more in depth description about products suitable for installation in School Systems, Housing Authorities, Hospitals, Commercial Buildings, etc. Contained within this guide is information about our Nova Series Mortise Locksets, the Protector Series Mortise Locksets, Commercial Grade Mortise Locksets and Deadlocks, Survivor Series Cylindrical Leversets, Defender Series Deadbolts & Deadlatches, our Custom Lockset Division, Institutional Life Safety Locksets, Hospital Push/Pull Paddlesets, the i-Qwik Electronic Access Control Series, Biometric Fingerprint Reader with Cylindrical Leverset, Door Closers, Exit Devices, Hinges and HI-SECURITY™ Cylinders. The guide assists the institutional user by informing the reader of lockset features which will satisfy the requirements of institutional facilities for both design and maintenance.

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Marks USA Antimicrobial Finish - Peace of mind for your hardware application when protected against GERMS and MOLD using Stericoat AM. Marks USA antimicrobial finish is recommended for hospitals, assisted living facilities, schools and childcare facilities. **Use Code - AM**

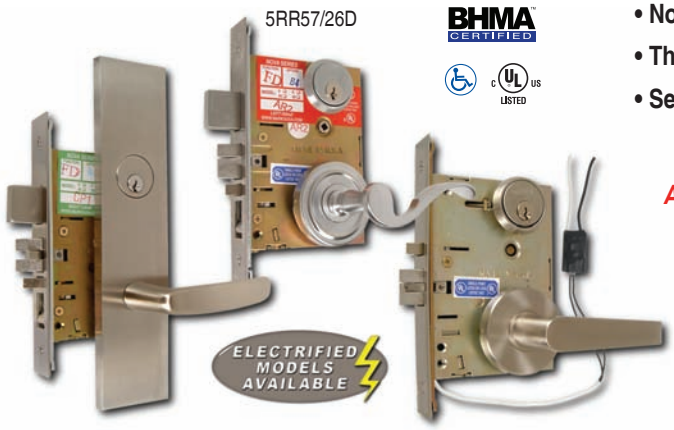
Lifetime Mechanical Limited Warranty: MARKS USA warrants that its products are free from defects in materials and workmanship. This warranty is limited to the lifetime of the door on which our lock is installed. In the event our product does not conform to this warranty, MARKS USA will repair or replace the product free of charge. This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized non-MARKS products or parts. We reserve the right to make changes in materials, components or manufacturing methods. Liability under all warranties expressed or implied is limited to replacement of the defective goods. This warranty does not cover nor provide for the reimbursement or payment of incidental or consequential damages. Additionally, the company will not warrant ANSI A156.2 Grade 2 lever product installed in educational facilities and student housing.

2 Year Electronic Limited Warranty: MARKS USA warrants to the original purchaser that its products are free from defects in materials and workmanship so long as they occupy the premises. In the event our product does not conform to this warranty, MARKS USA will repair or replace the product free of charge at its sole discretion. This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, improper application or specification, ordinary wear and tear, misuse, abuse, accident, improper voltage, unauthorized service, or use with unauthorized non-MARKS products or parts. We reserve the right to make changes in materials, components or manufacturing methods. Liability under all warranties expressed or implied is limited to replacement of the defective goods. This warranty does not cover nor provide for the reimbursement or payment of incidental or consequential damages or any shipping charges related to exercising of this warranty.

Lifetime Finish Limited Warranty: MARKS USA finishes with the suffix "E" indicate finishes which have a "PVD" coating. Locksets with the "3E" finish will be warranted to the original user against tarnishing as long as the user occupies the residential premises upon which the lockset was originally installed. Locksets with this finish, used in commercial applications will be limited to two years. This warranty does not cover scratches, abrasion, abused or misused products. Upon return of a defective product to Marks USA, we will, at our sole discretion, either replace the product or refund the purchase price in exchange for the product. Due to climatic conditions, chemical or abrasive actions, other finishes are excluded from this warranty. This warranty does not cover nor provide for the reimbursement or payment of incidental or consequential damages arising from the sale of the product.

NOVA SERIES 5 & 55 MORTISE LOCKSETS

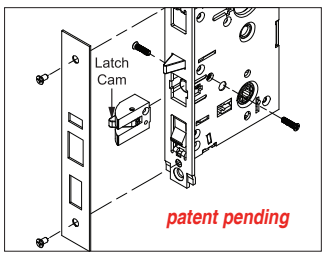
Our Nova Series Mortise Locksets represent years of development into world class BHMA Certified mortise locksets and carry the Marks Lifetime Mechanical Warranty. The Nova Series is available with a variety of different knobs, levers, roses and plates as well as custom capabilities with 32 functions in popular finishes. Whether your application is a single style single function lockset or an entire complex with multiples and varieties, the Nova Series has the form, fit and competitive price to complete your project.



- **Nova Series Grade 1 Mortise Locksets are BHMA Certified**
- **Thru-bolted trim for proper alignment and ease of installation**
- **Self adjusting spindles • Independent lever support springs**
- ***Lifetime Mechanical Warranty***

AUTO-REVERSING MORTISE LOCKSET NOW AVAILABLE!

EASILY REVERSIBLE WITHOUT REMOVING THE COVER OR INTERNAL PARTS



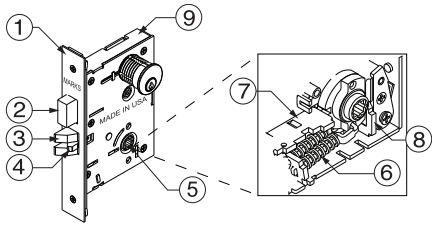
Electrified Models Excluded

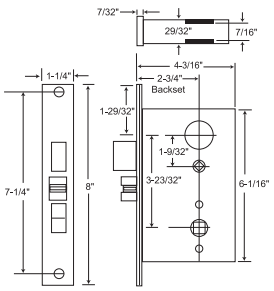
MARKS # 5 & 55	FUNCTION	ANSI #	FINISH GROUPS
KEYED SINGLE CYLINDER, NO DEADBOLT			
D	OFFICE / VESTIBULE		
DW	VESTIBULE		
E	OFFICE	F04	
EW	STOREROOM	F07	
J	CLASSROOM	F05	
JM, JR	HOSPITAL (HOLDBACK)	F06	
GL	INST. PRIVACY	F26	
EL	ELECTRICALLY LOCKED		
EU	ELECTRICALLY UNLOCKED		
KEYED SINGLE CYLINDER, WITH DEADBOLT			
A	ENTRANCE	F08, F10	
B	ENTRANCE	F21	
F	DORMITORY	F12	
FS	DORMITORY		
FW	DORMITORY	F13	
FD	APARTMENT	F20	
H	HOTEL	F15	
LH	SPEC. PRIVACY		**3, 10, 10B, 32, 32D**
KEYED DOUBLE CYLINDER, NO DEADBOLT			
G	ENTRANCE	F09	
GC	INTRUDER LATCHBOLT	F32	
GG	CLASSROOM SECURITY		
GR	CLASSROOM SECURITY w/HOLDBACK		
WW	INSTITUTION	F30	
KEYED DOUBLE CYLINDER, WITH DEADBOLT			
AC	ENTRANCE	F35	
C	STOREROOM	F14	
FC	INTRUDER DEADBOLT	F34	
FA	DORMITORY	F11	
FX	DORMITORY	F33	
KEYLESS			
N	PASSAGE	F01	
L	BATHROOM	F02	
LF	PRIVACY	F19	
LJ	PRIVACY	F22	
EX	EXIT	F31	

STANDARD FEATURES

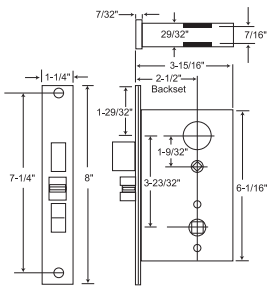
5 Series (2-3/4" backset); 55 Series (2-1/2" backset)

1. **Lock Front:** Adjustable bevel steel backplate 1-1/4" x 8" x 7/64" thick stainless steel. Cover plate 1/16" thick.
2. **Deadbolt:** Stainless steel with hardened roll pins, 1" throw.
3. **Latch:** Solid stainless steel with antifriction latch lever, 3/4" throw (reversible).
4. **Auxiliary Deadlatch:** 1/2" throw (reversible).
5. **Hubs:** Steel, 9/32" on diamond, 5/16" on square with security separator. Independent exterior and interior lever support springs.
6. **Lever Support Springs:** Lever support springs with 5/16" Hubs
7. **Hub Follower:** (to lock hub) steel 1/8" thick.
8. **Hub Stop:** (to limit lever travel) steel 1/8" thick.
9. **Case:** Stamped steel 3/32" thick, zinc dichromate finish.





5 Series Mortise Lockset Shown



55 Series Mortise Lockset Shown

✳Standard & HI-SECURITY™ IC Core Models:
Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

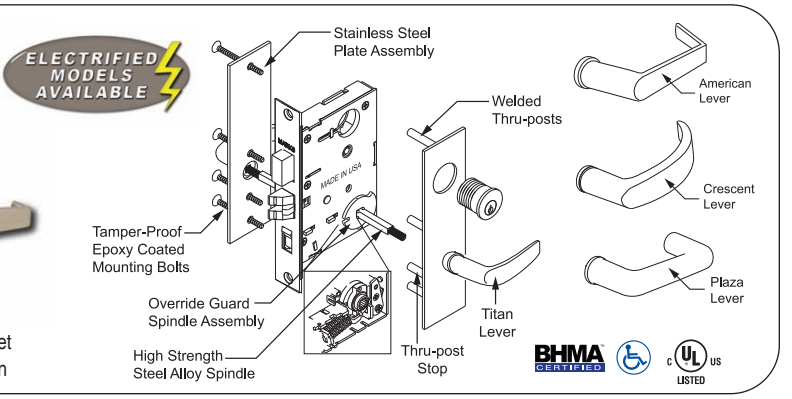
PROTECTOR SERIES
MAXIMUM SECURITY MORTISE LOCKSETS ANSI 156.13 GRADE 1

PROTECTOR SERIES

All Marks USA Protector Series mortise locksets feature an "Override Guard" which is designed to result in spindle failure when torque of over 550 foot lbs. is applied. The lockset remains locked and when spindle is replaced, the lockset is fully operational. Protector Series locksets have a lifetime mechanical warranty, meet or exceed all operational and security tests of ANSI A156.13-2002 for Series 1000, Grade 1. Protector Series Locksets are UL listed, 3-hour fire rated and meet ADA requirements.

BE101A/32D Mortise Lockset with Titan Lever Shown

LA118A/32D Mortise Lockset with American Lever Shown



MARKS # BE101 & LA118	FUNCTION	ANSI #	FINISH GROUPS❖
KEYED SINGLE CYLINDER, NO DEADBOLT			
D	OFFICE VESTIBULE		
DW	VESTIBULE		
E	OFFICE	F04	
EW	STOREROOM	F07	
GL	INST. PRIVACY	F26	
J	CLASSROOM	F05	
JM, JR	HOSPITAL (HOLDBACK)	F06	
EL	ELECTRICALLY LOCKED		
EU	ELECTRICALLY UNLOCKED		
KEYED SINGLE CYLINDER, WITH DEADBOLT			
A	ENTRANCE	F08, F10	
B	ENTRANCE	F21	
F	DORMITORY	F12	
FS	DORMITORY		
FW	DORMITORY	F13	
FD	APARTMENT	F20	
H	HOTEL	F15	
LH	SPEC. PRIVACY		

MARKS # BE101 & LA118	FUNCTION	ANSI #	FINISH GROUPS❖
KEYED DOUBLE CYLINDER, NO DEADBOLT			
G	ENTRANCE	F09	
GC	INTRUDER LATCHBOLT	F32	
WW	INSTITUTION	F30	
KEYED DOUBLE CYLINDER, WITH DEADBOLT			
AC	ENTRANCE	F35	
C	STOREROOM	F14	
FC	INTRUDER DEADBOLT	F34	
FA	DORMITORY	F11	
FX	DORMITORY	F33	
KEYLESS			
N	PASSAGE	F01	
L	BATHROOM	F02	
LF	PRIVACY	F19	
LJ	PRIVACY	F22	
EX	EXIT	F31	
DUMMY TRIM			
DI, DO	DUMMY TRIM INSIDE/OUTSIDE		
DT	DUMMY TRIM		

3, 10, 10B, 32D

❖ ***Additional Finishes, Consult Factory.***

STANDARD FEATURES

Performance Specifications:

Life Test: 1,500,000 cycles minimum.

Exterior and Interior Trim Specifications:

Brushed stainless steel plate assemblies with machined lever bearings. Screwless stainless steel levers assembled to plate with hardened snap rings. (Levers cannot be removed without disassembling trim plates from inside.)

Additional trim designs are available with override guard lock protection, Consult factory.

Exterior: 4 welded thru-posts. Center posts pass through lock body, automatically aligning trim 8-1/2" x 2-3/4" x 1/8" thick

Interior: 4 stainless steel, tamper-proof mounting bolts connecting inside plate, 8-1/2" x 2-3/4" x 1/8" thick

Cylinder: 1-1/8" long solid brass, 6 pin with 2 keys

Strike: 4-7/8" x 1-1/4" x 3/32" thick, 5/8" curved lip Conforms to ANSI spec., A115.1

Door Thickness: 1-3/4" standard. Extended range available

Screwless Lever Choices: American, Crescent, Plaza & Titan

Lock Specifications: 5 Series (2-3/4" Backset)

NOVA SERIES GRADE 1 MORTISE LOCKSETS ARE BHMA CERTIFIED

Lock Front: Adjustable bevel steel backplate 1-1/4" x 8" x 7/64" thick; Cover plate 1/16" thick with tamper-proof screws

Deadbolt: Stainless steel with hardened roll pins, 1" throw

Latch: Solid stainless steel with antifriction latch lever, 3/4" throw (reversible)

Aux. Deadlatch: 1/2" throw (reversible)

Case: Stamped steel 1/16" thick

Hubs: Steel, 5/16" on square w/security separator, 9/32" on diamond; Independent exterior and interior lever support springs

Hub Lock Arm: Steel 1/8" thick (to lock hub)

Exterior Lever Override Guard Integral cam spindle/spring assembly engages hub lock arm, case hardened steel, 1/8" thick.

Interior Lever Override Guard Integral cam spindle/spring assembly prevents interior lever override, case hardened steel, 1/8" thick

✻**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

COMMERCIAL GRADE MORTISE LOCKSETS SERIES 7 & 9

Marks 7 & 9 Series Mortise Locksets feature a high pressure cast Zamac body with a baked enamel finish to resist corrosion, cast alloy 1" throw deadbolt for strength, and a flexible face plate that may be installed flat or with a 3 degree bevel. The 7 & 9 Series are available with a variety of different knobs, levers, roses and plates making these efficient mortise locksets a great choice for commercial applications when grade 1 fire rated locksets are not required.

7NY10/3 Mortise Lockset with New Yorker Plate & Round Knob Shown

9NY10/26 Mortise Lockset with New Yorker Plate & Round Knob Shown

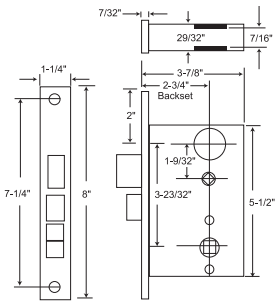
MARKS # 7 & 9	FUNCTION	ANSI #	FINISH GROUPS
KEYED SINGLE CYLINDER, NO DEADBOLT			
D	OFFICE / VESTIBULE		
DW	VESTIBULE		
KEYED SINGLE CYLINDER, WITH DEADBOLT			
A	ENTRANCE	F08, F10	
B	ENTRANCE	F21	
F	DORMITORY	F12	
FS	DORMITORY		
FW	DORMITORY	F13	**3, 10, 10B, 32, 32D**
KEYED DOUBLE CYLINDER, WITH DEADBOLT			
AC	ENTRANCE	F35	
C	STOREROOM	F14	
FA	DORMITORY	F11	
FX	DORMITORY	F33	
KEYLESS			
N	PASSAGE	F01	
L	BATHROOM	F02	
LF	PRIVACY	F19	

✻**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

STANDARD FEATURES

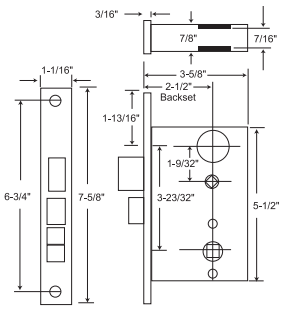
Series 7:

Backset: 2-3/4"
Bolt throw: Cast alloy full 1" throw
Latch throw: 5/8" (anti-friction)
Case: High pressure cast Zamac, baked enamel finish
Front: 1-1/4" x 8", Flat or 3° bevel
Hubs: 9/32" on square steel with security separator



Series 9:

Backset: 2-1/2"
Bolt throw: Cast alloy full 1" throw
Latch throw: Solid brass 1/2" throw, reversible
Case: High pressure cast Zamac, baked enamel finish
Front: 1-1/16" x 7-5/8", Flat or 3° bevel
Hubs: 9/32" on square steel with security separator



MORTISE DEADLOCKS SERIES 31, 2 & 3

Series 31 Mortise Deadlock

Series 2 Mortise Deadlock

Series 3 Mortise Deadlock

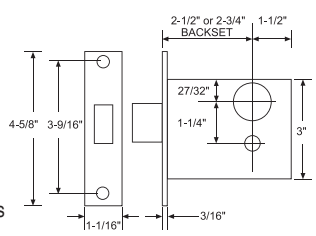
MARKS # 31, 2 & 3	FUNCTION	ANSI #	FINISH GROUPS
—	LOCK ONLY	—	
K	CYLINDER x TURNPIECE	E06072	**3, 3E, 10, 10B, 26, 26D, 32, 32D**
L	COMMUNICATING SINGLE CYL.	E06082	
M	DOUBLE CYLINDER	E06062	
S	CLASSROOM (Specify Handing)	E06092	
X	TURNPIECE ONLY		

✻**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

STANDARD FEATURES

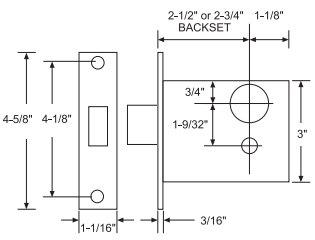
Series 31 BHMA Certified:

Backset: 2-3/4"
Bolt throw: 1" stainless steel with hardened roll pins
Case: Stamped Steel
Front: 1-1/16" x 4-5/8" adjustable bevel
Cylinder: Solid brass cylinder, 6-pin, "C" keyway, 2 keys
Strike: #4035 Included



Series 2 & 3:

Backset: Series 2: 2-1/2"; Series 3: 2-3/4"
Bolt throw: 1"
Case: High pressure cast
Front: 1-1/16" x 4-5/8" flat or 3° bevel
Cylinder: Solid brass cylinder, 6-pin, "C" keyway, 2 keys
Strike: #4035 Included



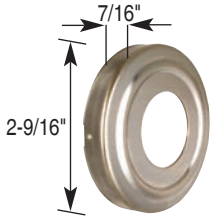
***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

MORTISE & TUBULAR LOCK TRIM

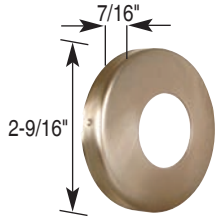
NOTE: ROSES ALSO AVAILABLE IN 2-1/4" DIAMETER

TRIM

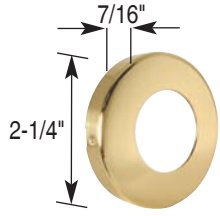
Marks USA offers a great many designs of knobs, levers, turnpieces and pull handles in both brass and stainless steel. Locksets using these designs need minimum orders and may require longer delivery time since they are not normally stocked. At this time, there are more than 300+ designs available and more are being added constantly. We also offer designs made to customers individual specifications.



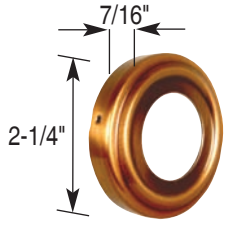
ROSE RR



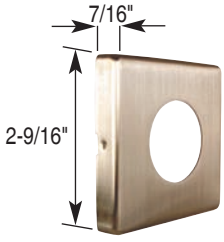
ROSE RW



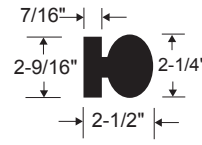
ROSE RS



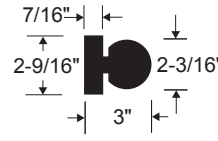
ROSE RQ



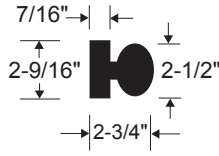
ROSE RX



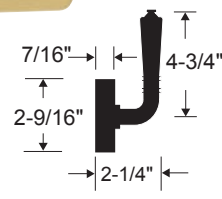
ROUND 10



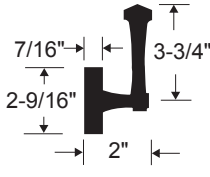
BALL 20/30



ECLIPSE 60



PALACE 42



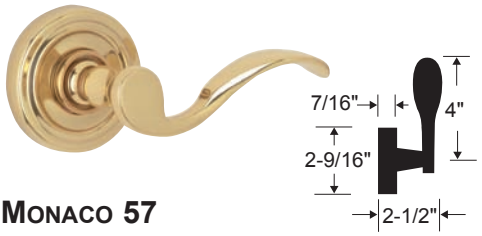
MADISON 52

MORTISE & TUBULAR LOCK TRIM

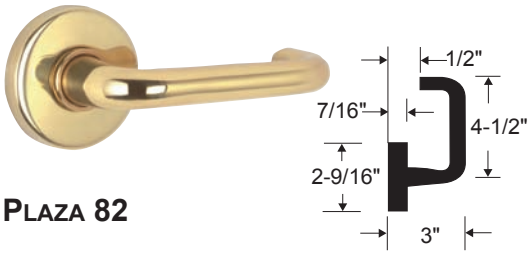
NOTE: ROSES ALSO AVAILABLE IN 2-1/4" DIAMETER

TRIM

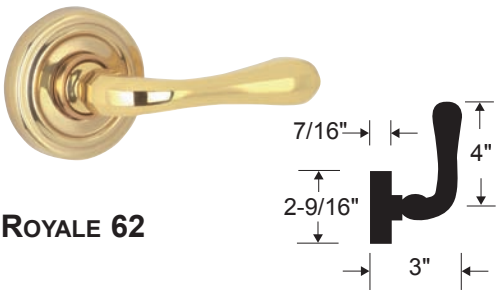
Marks USA offers a great many designs of knobs, levers, turnpieces and pull handles in both brass and stainless steel. Locksets using these designs need minimum orders and may require longer delivery time since they are not normally stocked. At this time, there are more than 300+ designs available and more are being added constantly. We also offer designs made to customers individual specifications.



MONACO 57



PLAZA 82



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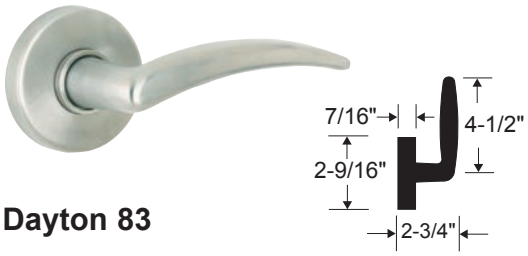
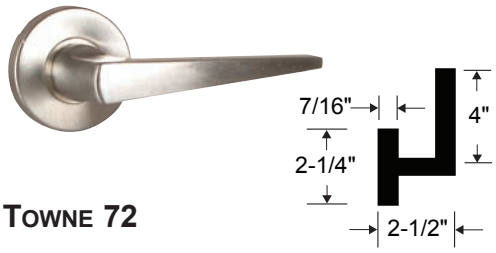


Dayton 83



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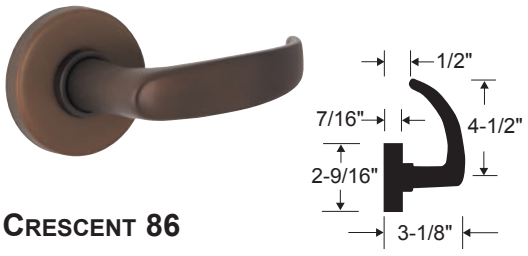
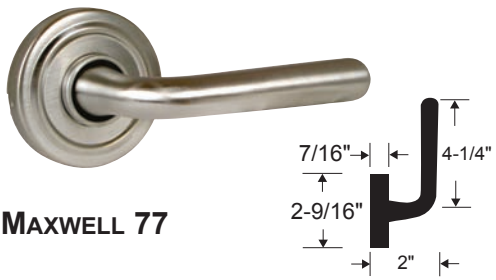
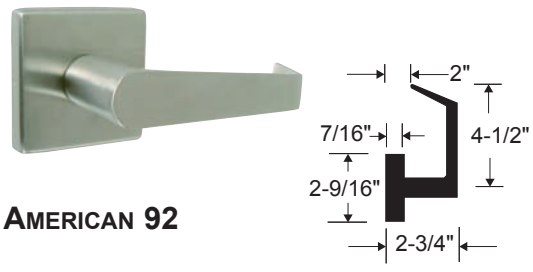


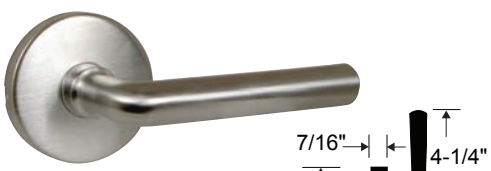
CRESCENT 86



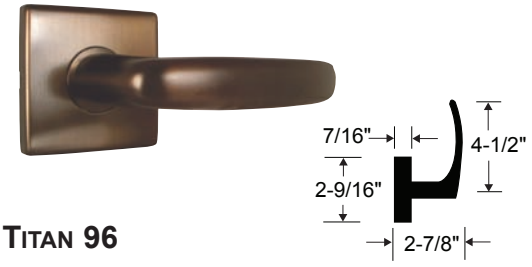
MAXWELL 77



AMERICAN 92



OMNI 78



TITAN 96

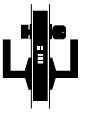
MORTISE LOCKSET FUNCTIONS
ANSI 156.13 GRADE 1

MORTISE LOCKSET FUNCTIONS

SINGLE CYLINDER FUNCTIONS

ANSI #	Strike	Marks Function I/S O/S	
F04: OFFICE Latch by knob/lever either side except when outside knob/lever locked by stop-button in front; then by key outside. Auxiliary latch deadlocks latch. Inside always open.	5036		E
F05: CLASSROOM Latch by knob/lever either side except when outside knob/lever locked by key. When locked, latch bolt retracted by key. Inside always open. Auxiliary latch deadlocks latch.	5036		J
F06: HOLDBACK "A" Latch by knob/lever either side except when outside knob/lever locked or unlocked by key. Auxiliary latch deadlocks latch. Inside always open. Inside knob/lever unlocks outside lever. Latch bolt can be locked in retracted position by locking inside hub. Can be used with blank outside trim.	5036		JM
F06: HOLDBACK "B" Latch by knob/lever either side except when outside knob/lever locked or unlocked by key. Auxiliary latch deadlocks latch. Inside always open. Inside knob/lever will not unlock outside knob/lever. Latch bolt can be locked in retracted position by locking outside hub. Can not be used with blank outside trim.	5036		JR
F07: STOREROOM Latch by knob/lever inside, key outside. Outside knob/lever always rigid. Auxiliary latch deadlocks latch. Inside always open.	5036		EW
F08, F10: ENTRANCE Latch by knob/lever either side except when outside locked by stop-button; then by key outside, knob/lever inside. Deadbolt by key outside, turnpiece inside. Deadbolt deadlocks latch.	9035		A
F12: DORMITORY Latch by knob/lever either side except when outside knob/lever locked by stop-button or projected deadbolt. Deadbolt by turnpiece inside. Inside knob/lever retracts latch and deadbolt simultaneously, leaving outside locked. Deadbolt deadlocks latch.	9035		F
F13: DORMITORY Latch by knob/lever either side except when projected deadbolt locks outside knob/lever and deadlocks latch. Deadbolt and latch by key outside. Deadbolt by turnpiece inside. Inside knob/lever retracts latch and deadbolt simultaneously, automatically unlocking outside knob/lever.	9035		FW
F15: HOTEL Inside knob/lever always free, outside rigid. Latch by knob/lever inside, key outside. (When deadbolt projected by turnpiece all keys are shut out except emergency key). Inside knob/lever retracts deadbolt and latch simultaneously. Auxiliary latch or deadbolt deadlocks latch. Indicator available.	5035		H

SINGLE CYLINDER FUNCTIONS

ANSI #	Strike	Marks Function I/S O/S	
F20: APARTMENT Latch by knob/lever either side except when outside locked by stop-button or projected deadbolt. Latch deadlocked by auxiliary latch or deadbolt. Deadbolt and latch by key outside. Deadbolt by turnpiece inside. Inside knob/lever retracts latch & deadbolt simultaneously, leaving outside locked.	5035		FD
F21: ENTRANCE Latch by knob/lever either side. Deadbolt by key outside, turnpiece inside. Deadbolt deadlocks latch.	9035		B
F26: INSTITUTIONAL PRIVACY Latch by knob/lever either side except when outside knob/lever locked by inside thumbturn. Latch deadlocked by auxiliary latch. Key outside opens latch. When outside locked, inside knob/lever retracts latch, automatically unlocking outside knob/lever.	5036		GL
OFFICE VESTIBULE: Latch by knob/lever either side except when outside knob/lever locked by stop-button in front; then by key outside.	9035		D
VESTIBULE: Latch by knob/lever inside, key outside. Outside knob/lever always rigid.	9035		D W
DORMITORY: Latch by knob/lever inside. Outside knob/lever always rigid. Deadbolt and latch by key outside. Deadbolt by turnpiece inside. When deadbolt is projected, latch is deadlocked. Inside knob/lever retracts latch and deadbolt simultaneously.	9035		FS
SPECIAL PRIVACY: Inside knob/lever always free, outside rigid. Latch by knob/lever inside, key outside. Deadbolt by turnpiece inside, emergency release outside. Inside knob/lever retracts deadbolt and latch simultaneously. Auxiliary latch deadlocks latch.	5035		LH
STOREROOM: Latch by thumbpiece inside. Key outside.	9035		DN
STOREROOM: Latch by thumbpiece or knob/lever inside. Key outside. Auxiliary latch deadlocks latch.	5036		EN

ELECTRIFIED FUNCTIONS

ELECTRICALLY LOCKED (Fail Safe): Outside always locked electrically. Open by key outside, switch or loss of power. Auxiliary latch deadlocks latch. Inside always open.	5036		EL
ELECTRICALLY UNLOCKED (Fail Secure): Outside always locked until unlocked by key or electrically energized. Auxiliary latch deadlocks latch. Inside always open.	5036		EU

MORTISE LOCKSET FUNCTIONS
ANSI 156.13 GRADE 1

MORTISE LOCKSET FUNCTIONS

DOUBLE CYLINDER FUNCTIONS

ANSI #	Strike	Marks Function I/S O/S
F09: ENTRANCE Latch by knob/lever either side except when outside knob/lever locked by key inside, latch retracted by key outside. Outside remains locked. Auxiliary latch deadlocks latch.	5036	G
F11: DORMITORY Latch by knob/lever either side except when outside knob/lever locked by stop-button or projected deadbolt. Deadbolt by key either side. Inside knob/lever retracts latch and deadbolt simultaneously leaving outside locked. Deadbolt deadlocks latch.	9035	FA
F14: STOREROOM Latch by knob/lever either side. Deadbolt by key either side. Deadbolt deadlocks latch.	9035	C
F24: APARTMENT HANDLE Latch by thumbpiece either side except when outside is locked by key inside. When outside is locked, latch retracted by key outside or thumbpiece inside. Auxiliary latch deadlocks latch.	5036	G
F25: STOREROOM "B" Body Latch by thumbpiece either side. Deadbolt by key either side.	9035	C
F25: STOREROOM Latch by thumbpiece either side except when outside thumbpiece locked by stop-button in front; then by key outside. Deadbolt by key both sides. Deadbolt deadlocks latch.	9035	SO
F30: INSTITUTION Both knob/levers rigid. Auxiliary latch deadlocks latch. Latch by key either side.	5036	WW
F32: INTRUDER LATCH BOLT Latch by knob/lever either side except when outside knob/lever is locked from inside or outside by key. Latch operated by key from inside or outside. Auxiliary latch, deadlocks latch. Inside always open.	5036	GC
CLASSROOM SECURITY Latch bolt retracted by knob/lever from either side unless outside is locked by key from either side. Auxiliary latch deadlocks latch bolt when door is locked. Inside knob/lever is always free for immediate egress.	5036	GG
CLASSROOM SECURITY w/HOLDBACK Latch bolt retracted by knob/lever from either side unless outside is locked by key from either side. When locked, latch bolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latch bolt when door is locked. Depress inside knob/lever and turn key 360° for holdback feature. Inside knob/lever always free for immediate egress.	5036	GR
F33: DORMITORY Latch by knob/lever either side except when projected deadbolt locks outside knob/lever and deadlocks latch. Deadbolt and latch by key either side. Inside knob/lever retracts latch and deadbolt simultaneously, automatically unlocking outside knob/lever.	9035	FX
F33: DORMITORY Latch by knob/lever either side except when projected deadbolt locks outside knob/lever and deadlocks latch. Deadbolt and latch by key either side. Inside knob/lever retracts latch and deadbolt simultaneously, automatically unlocking outside knob/lever.	5035	FC
F35: STORE DOOR Latch by knob/lever either side except when outside knob/lever locked by stop-button in front; then by key outside. Deadbolt by key either side. Deadbolt deadlocks latch.	9035	AC

NON-KEYED FUNCTIONS

ANSI #	Strike	Marks Function I/S O/S
F01: PASSAGE Latch by knob/lever either side.	9035	N
F02:BATHROOM* Latch by knob/lever either side. Deadbolt by turnpiece inside. Deadbolt deadlocks latch. To unlock from outside, remove emergency button, insert emergency key in access hole and turn. Optional coinkey assembly available.	9035	L
F19: PRIVACY* Latch by knob/lever either side except when projected deadbolt locks outside knob/lever and deadlocks latch. Deadbolt by turnpiece inside. Inside knob/lever retracts latch and deadbolt simultaneously, automatically unlocking outside knob/lever. To unlock from outside, remove emergency button, insert emergency key in access hole and turn. Optional coinkey assembly available.	9035	LF
F22: PRIVACY Latch by knob/lever either side except when outside knob/lever is locked by inside turnpiece. Turning inside knob/lever or closing door unlocks outside lever. To unlock from outside, remove emergency button, insert emergency key in access hole and turn. Optional coin key assembly available.	9035	LJ
F31: EXIT Latch by knob/lever inside, non-removable blank trim or no trim outside. Auxiliary latch deadlocks latch.	5036	EX

DEADBOLT FUNCTIONS

F16: DEADLOCK Deadbolt by key either side.	9035	T
F17: DEADLOCK Deadbolt by key outside and turnpiece inside.	9035	P
F18: DEADLOCK Deadbolt by key one side only.	9035	S
F29: DEADLOCK Deadbolt by key outside. Inside turnpiece will retract but will not project deadbolt.	9035	SC

DEADLOCK FUNCTIONS

E06072: CYLINDER BY TURNPIECE Deadbolt by inside turnpiece or outside key.	K
E06082: COMMUNICATING SINGLE CYLINDER* Deadbolt by key from one side only.	L
E06062: DOUBLE CYLINDER Deadbolt by key either side.	M
E06092: CLASSROOM Deadbolt by outside key. Turnpiece will retract but not project deadbolt.	S
TURNPIECE Deadbolt by inside turnpiece.	X

***PRIVACY INDICATOR AVAILABLE**

SURVIVOR SERIES
CYLINDRICAL LEVERSETS ANSI 156.2 GRADES 1 & 2

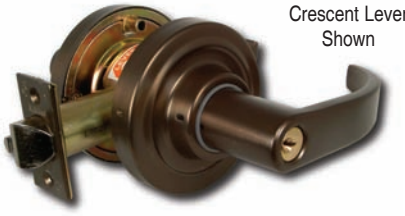
SURVIVOR SERIES

Marks USA Survivor Series locksets are the most durable cylindrical lever locksets. The series is offered in four lever styles, conventional cylinder, IC core for "Best" size cores and Schlage® as well as others. The Survivor Series locksets are backed by Marks lifetime mechanical warranty. All functions are available in six standard finishes, are UL Listed for 3-hour fire rating, and satisfy ADA requirements.

195/26D
American Lever
Shown

ELECTRIFIED MODELS AVAILABLE

395/US3
Monaco Lever
Shown



295/10B
Crescent Lever
Shown

c UL us LISTED BHMA CERTIFIED

495/26
Titan Lever
Shown

MARKS GRADE 1 #195, 295, 395, 495		MARKS GRADE 2 #175, 275, 375, 475		DESCRIPTION	ANSI #	FINISH GROUPS
COMM. CYL.	IC CORE CYL.✳ *395 Not Available IC Core*	COMM. CYL.	IC CORE CYL.✳ *375 Not Available IC Core*			
N	—	N	—	PASSAGE	F75	3, 4, 10, 10B, 26, 26D
L	—	L	—	PRIVACY	F76	
LK	—	—	—	PRIVACY	F76 MOD.	
P	—	P	—	PATIO	F77	
DC	RDC	DC	RDC	COMMUNICATING	F80	
A	RA	A	RA	ENTRY	F81	
B	RB	B	RB	ENTRY	F82A	
AB	RAB	AB	RAB	ENTRANCE	F109	
AQ	—	AQ	—	EXIT	F83	
S	RS	S	RS	CLASSROOM	F84	
F	RF	F	RF	STOREROOM	F86	
DW	RDW	DW	RDW	INSTITUTION	F87	
DA	RDA	DA	RDA	VESTIBULE	F88	
FQ	—	FQ	—	EXIT	F89	
T	RT	T	RT	CORRIDOR	F90	
TK	RTK	—	—	HOSPITAL/PRIVACY	F90 MOD.	
GB	RGB	—	—	STORE DOOR	F91	
BS	RBS	BS	RBS	SERVICE STATION LOCK	F92	
H	—	H	—	HOTEL	F93	
DB	RDB	—	—	CLASSROOM INTRUDER	F110	
DO	—	DO	—	DUMMY TRIM OUTSIDE	—	
DT	—	DT	—	FULL DUMMY TRIM	—	
NB	—	NB	—	COMMERCIAL PASSAGE	F111	
FB	RFB	FB	RFB	COMMERCIAL STOREROOM	F112	
SB	RSB	SB	RSB	COMMERCIAL CLASSROOM	F113	
FEL	RFEL	—	—	ELECTRICALLY LOCKED	—	
FEU	RFEU	—	—	ELECTRICALLY UNLOCKED	—	

STANDARD FEATURES

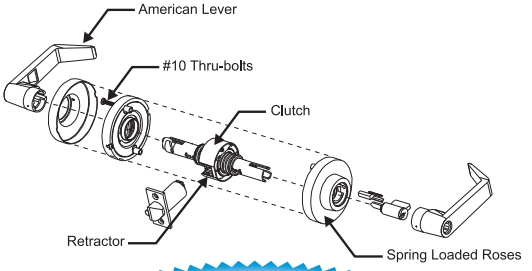
- Backset: 2-3/4"; 2-3/8", 3-3/4" & 5" Optional
- Levers: Solid cast Zamac; w/ 1/2" return (Except 395, 495, 375 & 475)
- Door thickness: 1-5/8" - 1-7/8"; 1-3/8" doors use K1904 spacer.
- Cylinder: MARKS "C" keyway, 6 pin w/ 2 keys
- UL Listed, 3 hour fire rated

95 Series:

- Latch #1834, Front: 1-1/8" x 2-1/4"; Throw: 9/16"; Stainless steel nose
- Roses: Thru-bolted, 3-7/16" dia., spring loaded 2-#10 thru-bolts
- Strike: #1135, 4-7/8" ASA curved lip strike

75 Series:

- Latch #1134, Front: 1-1/8" x 2-1/4"; Throw: 1/2"; Stainless steel nose
- Roses: Thru-bolted, 3-1/4" dia., spring loaded 2-#10 thru-bolts
- Strike: #1136, 2-3/4" "T" strike



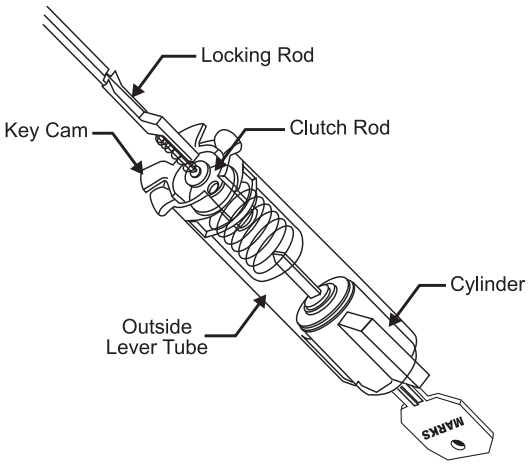
GRADE 1
95 SERIES LEVERSETS TESTED TO TWICE BHMA CYCLES

✳Standard & HI-SECURITY™ IC Core Models:
Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

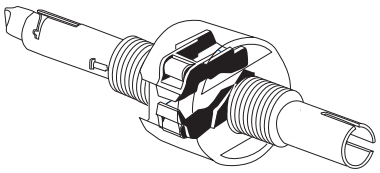
CLUTCH SYSTEM

When locked, the Survivor's clutch disengages the outside lever allowing it to turn freely without opening the latch. This reduces the torque applied to the outside lever. Other locksets with RIGID levers are prone to failure because of excessive torque.



SUPER STRENGTH RETRACTOR

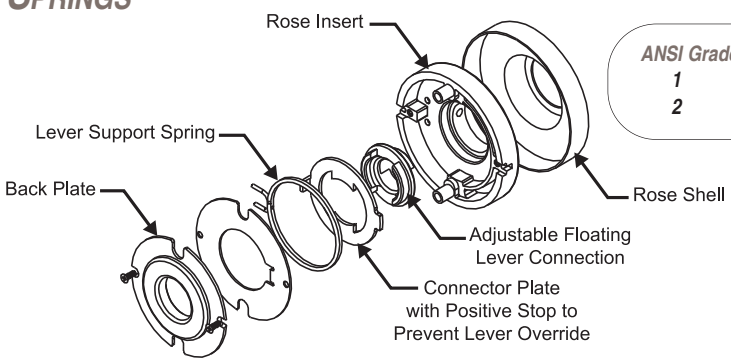
The Survivor's retractor is cast stainless steel with bronze roller bearings for ultra-high strength, smooth operation & long life.



LONG LIFE LEVER SUPPORT SPRINGS

Each Survivor rose contains it's own proprietary high strength lever support spring.

Twice BHMA continuous cycles,
NO LEVER DROOP...EVER!

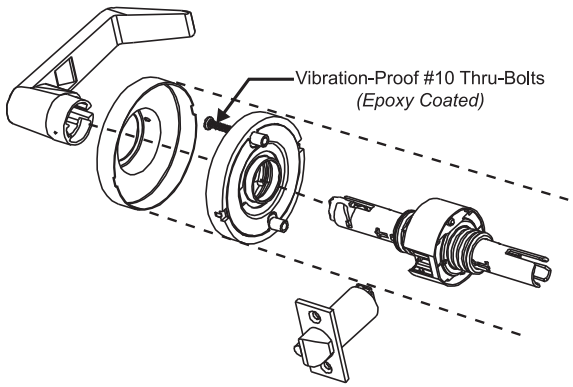


ANSI Grade	Rose Diameter
1	3-7/16"
2	3-1/4"

STRENGTH & LIFE

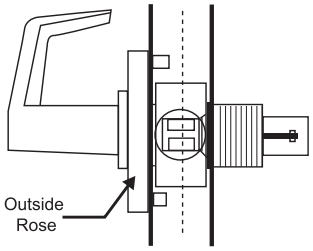
SURVIVOR:

- Withstands torque of 1800 inch-pounds; over twice ANSI/BHMA (1996) test value
- Life tested over twice BHMA cycles; Fully operational after these tests
- Thru-bolting with #10 epoxy coated bolts assures vibration-proof mounting
- Only two thru-bolts for easy installation
- Breakaway handles *(American & Crescent design)* protect against excessive abuse



QUICK INSTALLATION

- The Survivor easily adjusts for door thickness
- 1-5/8" - 1-7/8" without the use of spacer plates or special tools
- Adjustment is made by merely rotating outside rose
- Spacer plates are available for 1-3/8" doors with K1904 spacer rings
- Extend to 2-1/4" door thickness with D7 option

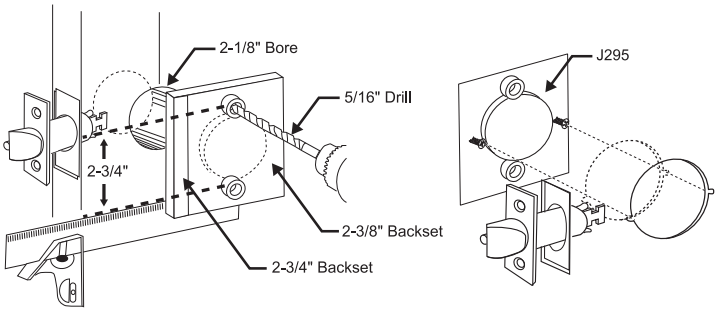


LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

SURVIVOR SERIES
CYLINDRICAL LEVERSETS ANSI 156.2 GRADES 1 & 2

EASY INSTALLATION

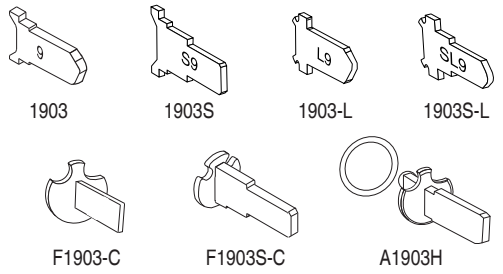
Survivor door preparation is simplified with the fast and accurate, easy to use J295 installation tool. One side is for the 2-3/4" backset, the other for the 2-3/8" backset. For use with either wood or metal doors.



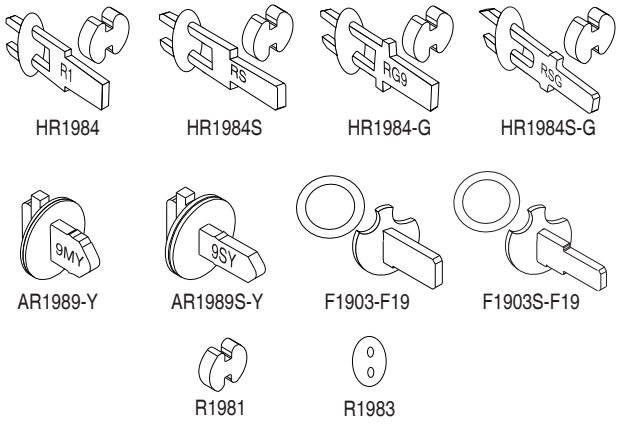
USES MOST AVAILABLE CYLINDERS

Our locksets accept many other OEM standard, HI-SECURITY™ and IC Core cylinders using MARKS adapter tailpieces.

Cylindrical Lock Tailpieces



Cylindrical IC Core Tailpieces



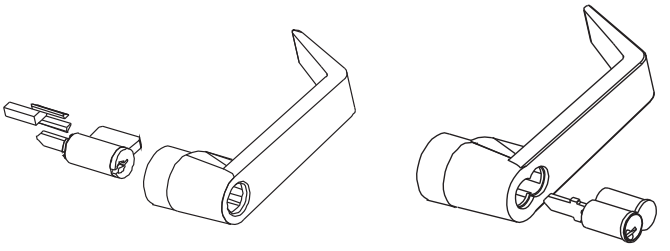
CYLINDRICAL LOCK TAILPIECES		
PART #	**FUNCTION**	**CYLINDER**
1903	AB, B, DA (ext.), DW, F, FEL, FEU	MARKS 1982
1903S	S, DA (int.), DB, DC, SB, T	
1903-L	AB, B, DA (ext.), DW, F, FEL, FEU	Arrow PK 100C, Ilco 705, Lori 1539, Sargent 13-3266, Abloy, ASSA 65673, 65691
1903S-L	S, DA (int.), DB, DC, SB, T	
F1903-C	AB, B, DA (ext.), DW, F, FEL, FEU	Schlage 23-001, Primus, Corbin-Russwin 2000-034
F1903S-C	S, DA (int.), DB, DC, SB, T	
A1903H	H	Marks 1982H, Schlage 23-014
IC CORE TAILPIECES		
HR1984	AB, B, DA (ext.), DW, F, FEU, FEL	6 or 7 pin Marks, KSP, Best®, Falcon, Medeco®, Keymark™, Sargent®, Schlage® Small Format
HR1984S	S, DA (int.), DB, DC, SB, T	
HR1984-G	AB, B, DA (ext.), DW, F, FEU, FEL	6 or 7 pin Corbin
HR1984S-G	S, DA (int.), DB, DC, SB, T	
AR1989-Y	AB, B, DA (ext.), DW, F, FEU, FEL	6 or 7 pin Yale
AR1989S-Y	S, DA (int.), DB, DC, SB, T	Medeco®
AR1999-M	AB, B, DA (ext.), DW, F, FEU, FEL	
AR1999S-M	S, DA (int.), DB, DC, SB, T	
F1903-F19	AB, DW, F	6 pin Schlage® Large Format
F1903S-F19	S, DA, DB, DC, SB, T	
R1981	Spacer	
R1983	Security Disc	

CYLINDERS

The Grade 1 Survivor is supplied with 6 pin cylinders in MARKS "C" keyway with 2 nickel-silver keys.

The Grade 2 Survivor is supplied with 5 pin cylinders in MARKS "C" keyway with 2 brass keys.

Grade 1 and Grade 2 are also available in 6 or 7 pin IC Core models for Best®, Corbin-Russwin, Medeco®, "Keymark™", Schlage® & Yale sizes.



ADA • GRADES 1 & 2 • MEETS BY AMERICA

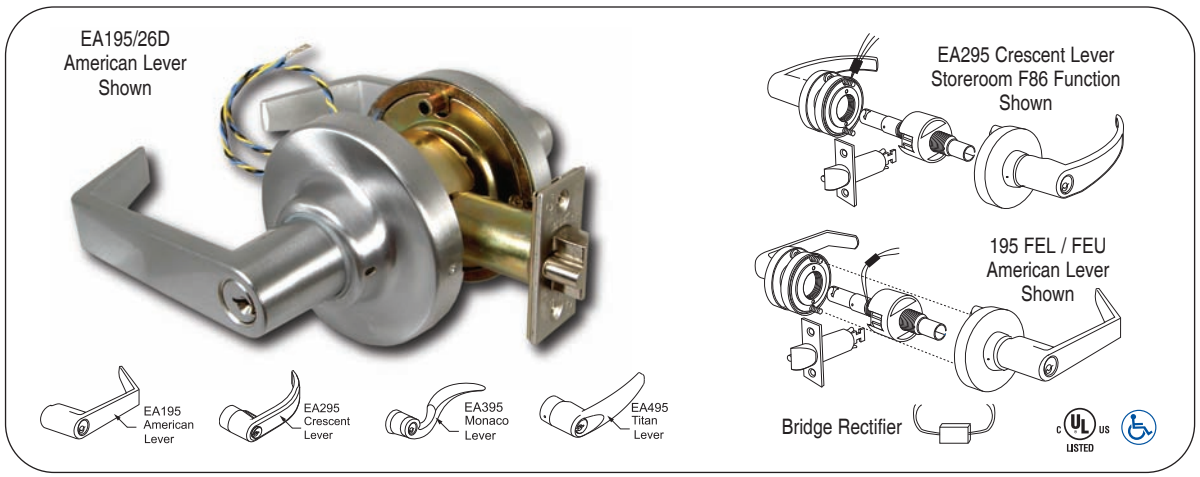
- American & Crescent style levers returning to within 1/2" of door surface
- Decorative "Monaco" style lever
- Satisfies all Federal ADA and State Disability requirements
- ANSI/BHMA specification 156.2 (1996) Series 4000, Grade 1 & 2
- UL Listed for 3 hour fire rating

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

SURVIVOR SERIES
REX & ELECTRIFIED LEVERSETS LEVERSETS
ANSI 156.2 GRADES 1 & 2

SURVIVOR WITH REQUEST TO EXIT

Our Grade 1 Electrified Survivor Series locksets featuring *"The Clutch"* are available for operation as either electrically locked or unlocked. When locked, the Survivor's clutch disengages the outside lever allowing it to turn freely without opening the latch. The Grade 1 Survivor Series Cylindrical Leverset incorporates a *Request to EXit* switch in both the Electrified (FEL & FEU) and Storeroom functions. Activating the inside lever for egress initiates the built-in REX output, providing a momentary signal for the access control REX input for alarm shunt during egress with all the features of the Survivor Electrified Lockset



MARKS # EA195, EA295, EA395, EA495 *REX LEVERSETS*		FUNCTION	ANSI #	DESCRIPTION	FINISH GROUPS
CONVENTIONAL CORE	IC CORE✳				
F	**RF**	STOREROOM	F86	Latch by lever inside. Outside lever always locked.	**3, 4, 10, 10B, 26, 26D**
FEL	**RFEL**	ELECTRICALLY LOCKED	—	Outside always locked electrically. Open by key outside, switch or loss of power. Latch by lever inside.	
FEU	**RFEU**	ELECTRICALLY UNLOCKED	—	Outside always locked until unlocked by key or electrically energized. Latch by lever inside.	

MARKS # 195, 295, 395, 495 *ELECTRIFIED LEVERSETS*		FUNCTION	DESCRIPTION	FINISH GROUPS
CONVENTIONAL CORE	IC CORE✳			
FEL	**RFEL**	ELECTRICALLY LOCKED	Outside always locked electrically. Open by key outside, switch or loss of power. Deadlocking latch by lever inside. Lever only.	**3, 4, 10, 10B, 26, 26D**
FEU	**RFEU**	ELECTRICALLY UNLOCKED	Outside always locked until unlocked by key or electrically energized. Deadlocking latch by lever inside. Lever only.	

STANDARD FEATURES

- Backset: 2-3/4"; 2-3/8", 3-3/4" & 5" Optional
- Latch #1834, Front: 1-1/8" x 2-1/4"; Throw: 9/16"; Stainless steel nose
- Levers: Solid cast Zamac w/ 1/2" return
- Rose: Thru-bolted, 3-7/16" dia., spring loaded 2-#10 thru-bolts
- Strike: #1135, 4-7/8" ASA curved lip
- Door thickness: 1-5/8" to 1-7/8" (For 1-3/8" door use K1704 spacer.)
- Cylinder: MARKS "C" keyway, 6 pin w/ 2 keys or IC Core housing
- Electrified functions - 100% duty cycle, 24V/AC supplied with bridge rectifier; 24V/DC, .21 Amps
- 12V/DC Optional, Contact factory for additional options
- Request to Exit Switch: Single pole, double throw, 3 amp,125 AC, wired either normally open or normally closed ***(REX Switch is not standard on electrified leverset)***
- Features "The Clutch" for trouble free service
- UL Listed, 3 hour fire rated

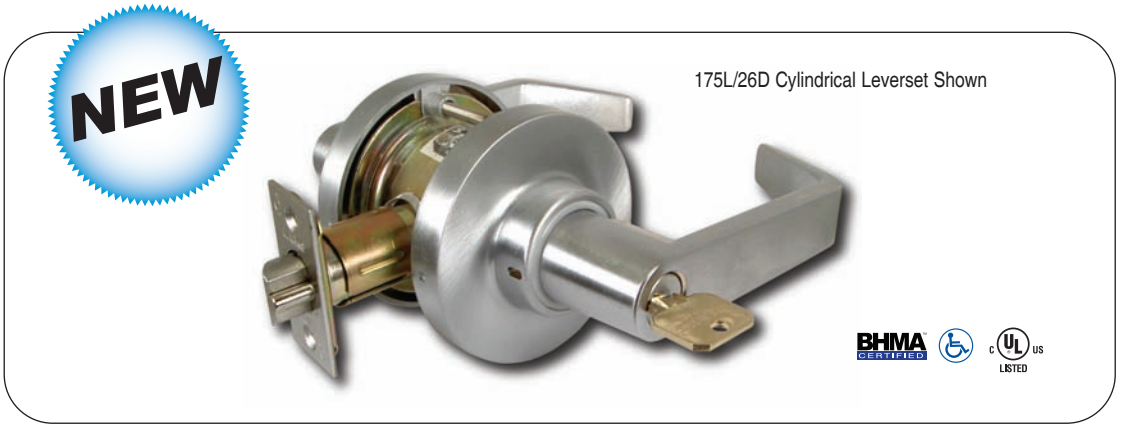
✳Standard & HI-SECURITY™ IC Core Models:
Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

175 ECONOMY SERIES
CYLINDRICAL LEVERSETS ANSI 156.2 GRADE 2

175 ECONOMY SERIES

Marks USA New 175 Grade 2 Economy Series gives you the performance and quality of a Grade 1 lockset at a Grade 2 price. Perfect for commercial applications in Office Buildings, Schools, Universities, Hospitals and much more. This series is offered in conventional cylinder, IC core for "Best" size cores, Medeco®, Corbin and Schlage® as well as others. All functions are available in two standard finishes, are UL Listed for 3-hour fire rating, satisfy ADA requirements and are backed by Marks lifetime mechanical warranty.

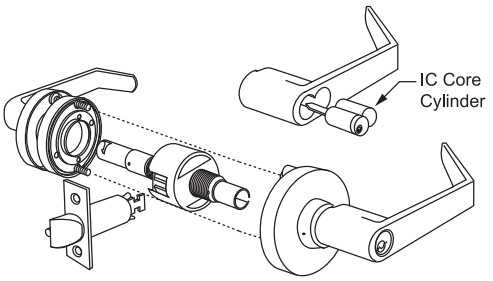


MARKS # 175		FUNCTION	ANSI #	FINISH GROUPS
COMM. CYL.	IC CORE CYL.*			
N	—	PASSAGE	F75	26D, 10B
L	—	PRIVACY	F76	
P	—	PATIO	F77	
DC	RDC	COMMUNICATING	F80	
AB	RAB	ENTRY	F109	
AQ	—	EXIT	F83	
S	RS	CLASSROOM	F84	
F	RF	STOREROOM	F86	
DW	RDW	INSTITUTION	F87	
DA	RDA	VESTIBULE	F88	
FQ	—	EXIT	F89	
T	RT	CORRIDOR	F90	
BS	RBS	SERVICE STATION LOCK	F92	
DO	—	DUMMY TRIM OUTSIDE	—	
DT	—	FULL DUMMY TRIM	—	
NB	—	COMMUNICATING PASSAGE	F111	
FB	RFB	COMMUNICATING STOREROOM	F112	
SB	RSB	COMMUNICATING CLASSROOM	F113	

LEVERS ARE PACKED 6 PER CASE
• IC Core Models: Tailpieces included, core not included

STANDARD FEATURES

- Backset: 2-3/4"
- Latch #1134, Front: 1-1/8" x 2-1/4"
- Levers: Solid cast Zamac; w/ 1/2" return
- Roses: Thru-bolted, spring loaded 2-#10 thru-bolts (Inside rose cover included)
- Strike: #1145/32D
- Door thickness: 1-5/8" to 1-7/8"
- Cylinder: MARKS "C" keyway, 6 pin w/ 2 keys

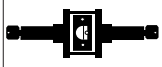


***Standard & HI-SECURITY™ IC Core Models:**
Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

CYLINDRICAL KNOB/LEVER FUNCTIONS
ANSI 156.2 GRADES 1 & 2

CYLINDRICAL LEVER FUNCTIONS

ANSI # CODE	Marks Function	
	I/S O/S	
F75 PASSAGE: Latch by knob/lever either side.		N
F76 PRIVACY: Latch by knob/lever either side unless outside knob/lever locked by push-button from inside. Outside unlocks by turning inside knob/lever, outside emergency turn or closing door.		L
F76 (MOD.) HOSPITAL/PRIVACY: Latch by knob/lever either side unless outside knob/lever locked by push-button from inside. Outside unlocks by turning inside knob/lever, outside emergency turn-knob or closing door.		LK
F77 PATIO: Deadlocking latch by knob/lever either side unless outside knob/lever locked by push-button inside. Unlocks by turning inside knob/lever or closing door.		P
F80 COMMUNICATING: Key both sides. Locks or unlocks either knob/lever independent of the other. Deadlocking latch.		DC
F81 ENTRY: Deadlocking latch bolt by knob/lever either side except when outside locked by turn-button inside. When outside locked, key outside or knob/lever inside opens lock. Turn-button operated manually.		A
F82A ENTRY: Deadlocking latch by knob/lever either side. Outside locked by push-button inside. When outside locked by push-button inside, key opens lock, unlocks push-button. Inside knob/lever always opens latch. Closing door does not release push-button.		B
F83 EXIT: Deadlocking latch by knob/lever either side except when outside locked by turn-button inside. Inside knob/lever always opens latch. Turn-button operated manually.		AQ
F84 CLASSROOM: Deadlocking latch by knob/lever inside. Outside knob/lever locked or unlocked by key.		S
F86 STOREROOM: Deadlocking latch by knob/lever inside, key outside. Outside knob/lever always locked.		F
F87 INSTITUTION: Both knob/levers always locked. Deadlocking latch by key both sides.		DW
F88 VESTIBULE: Deadlocking latch by knob/lever either side, except when outside knob/lever locked by key inside. Key outside retracts deadlocking latch. Inside always open.		DA
F89 EXIT: Deadlocking latch by knob/lever inside. Outside always locked.		FQ
F90 CORRIDOR: Deadlocking latch by knob/lever either side unless outside locked by key or inside push-button. Unlock by key, turning inside knob/lever or closing door.		T

ANSI # CODE	Marks Function	
	I/S O/S	
F90 (MOD.) HOSPITAL/PRIVACY: Deadlocking latch by knob/lever either side unless outside locked by knob/lever or inside push-button. Unlock by turn-knob, turning inside knob/lever or closing door.		TK
F91 STORE DOOR ***(95 Series Leverset ONLY):*** Deadlocking latch by knob/lever either side except when both knob/levers are locked by key from either side.		GB
F92 SERVICE STATION LOCK: Deadlocking latch by knob/lever either side unless outside locked by key or inside push-button. Unlock by key, turning inside knob/lever or closing door, except when slotted push-button is turned in locked position. Inside knob/lever always opens latch.		BS
F93 HOTEL: Deadlocking latch by knob/lever inside. Outside knob/lever always locked. Inside push-button projects indicator on cylinder face shutting out all keys except emergency key. Turning inside knob/lever or closing door releases push-button.		H
F109 ENTRY: Outside locked by pushing turn-button inside. Key outside opens lock. Rotating inside knob/lever releases button and outside knob/lever. By pushing and turning inside button, outside knob/lever remains locked. Deadlocking latch.		AB
F110 CLASSROOM INTRUDER: Deadlocking latch by knob/lever either side, except when outside locked by key inside. Key outside locks or unlocks outside. Inside always open		DB
DUMMY TRIM: Outside only, rigid.		DO
DUMMY TRIM: Both sides, rigid.		DT
F111 COMMUNICATING PASSAGE: Blank outside. Deadlocking latch by knob/lever inside.		NB
F112 COMMUNICATING STOREROOM: Blank outside. Deadlocking latch by key only. Knob/lever always locked.		FB
F113 COMMUNICATING CLASSROOM: Blank outside. Inside knob/lever locked or unlocked by key. Deadlocking latch.		SB
ELECTRICALLY LOCKED - FEL: ***(Fail Safe)*** Outside always locked electrically. Open by key outside, switch or loss of power. Deadlocking latch by lever inside. **Lever only.**		FEL
ELECTRICALLY UNLOCKED - FEU: ***(Fail Secure)*** Outside always locked until unlocked by key or electrically energized. Deadlocking latch by lever inside. **Lever only.**		FEU

DEFENDER SERIES
TUBULAR DEADBOLTS & CYLINDRICAL CARTRIDGE DEADLATCHES

DEFENDER SERIES DEADBOLTS & DEADLATCHES

In addition to our tubular style deadbolts, Marks USA has now developed a cylindrical cartridge deadlatch (145 Series). The result is an easy to install deadlocking latch with a stainless steel nose and 9/16" throw. The Defender series are available in both conventional as well as IC core cylinder models.

130M/32D Tubular Deadbolt Shown

MARKS # 130		DESCRIPTION	ANSI #	FINISH GROUPS
COMMERCIAL CYLINDER	IC CORE CYLINDER✻			
K	RK	CYLINDER x TURNPIECE	E0151	3, 10, 10B, 26D, 32, 32D
L	RL	COMMUNICATING SINGLE CYL	E0161	
M	RM	DOUBLE CYLINDER	E0141	
S	RS	CLASSROOM	E0171	
X	—	TURNPIECE x BLANK PLATE	E0191	

STANDARD FEATURES

- Bolt: 1" throw
- Unitized assemblies for 2-1/8" bore
- Strike: #1335, 2-3/4" x 1-1/8" strike
- Door thickness: 1-5/8" to 1-7/8"
- Cylinder: MARKS "C" keyway, 6 pin w/ 2 keys
- 2-3/8" Backset
- Latch: 1" x 2-1/4" front

✻**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Medeco KeyMark™, Falcon & Best®.
IC Core Tailpieces ARE Included.

c UL us LISTED

145K/32D Cylindrical Cartridge Deadlatch Shown

MARKS # 145		DESCRIPTION	ANSI #	FINISH GROUPS
COMMERCIAL CYLINDER	IC CORE CYLINDER✻			
K	RK	CYLINDER x TURNPIECE	E0121	3, 10, 10B, 26D, 32, 32D
L	RL	COMMUNICATING SINGLE CYL	E0131	
M	RM	DOUBLE CYLINDER	E0111	
X	—	TURNPIECE x BLANK PLATE	—	
KL	RKL	CYLINDER BY LEVER	—	

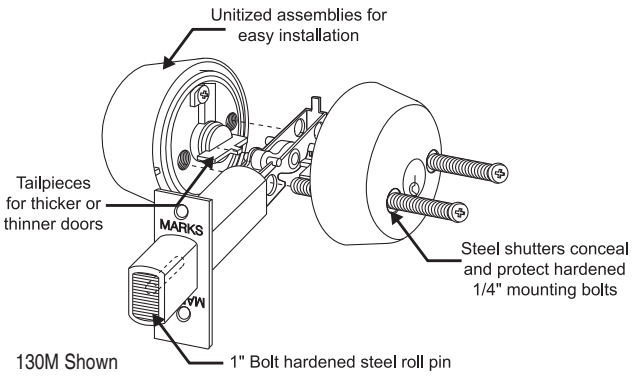
STANDARD FEATURES

- Series 1 cylindrical cartridge
- Latch: Grade 1, 9/16" throw
- 2-3/4" Backset
- Unitized assemblies for 2-1/8" bore
- Strike: #1136, 2-3/4" strike
- Door thickness: 1-3/8" to 2-3/8"
- Cylinder: MARKS "C"keyway, 6 pin w/ 2 keys
- Latch: 1-1/8" x 2-1/4" front
- UL Listed, 3 hour fire rated

✻**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Medeco KeyMark™, Falcon & Best®.
IC Core Tailpieces ARE Included.

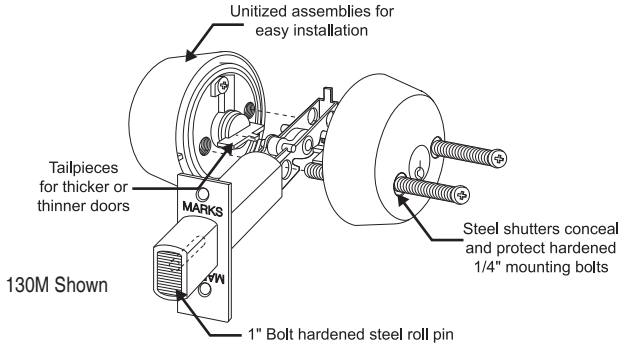
***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

DEFENDER SERIES UNIQUE FEATURES



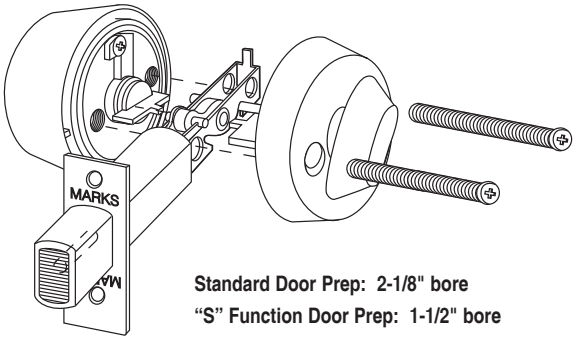
PROTECTIVE STEEL SHUTTERS

The Defender's steel shutters on the interior assembly conceal and protect the two hardened 1/4" mounting bolts which thru-bolt through the latch assembly.



SIMPLE FAST ASSEMBLY

- Defender is designed for quick easy installation
- One piece assemblies
- Unitized exterior and interior trim assemblies have no loose components
- Tailpiece orientation and latch positioning, ***required on other deadbolts,*** is unnecessary
- Trim and latch are fully reversible and can be assembled randomly



130K Shown

Standard Door Prep: 2-1/8" bore
"S" Function Door Prep: 1-1/2" bore

ONE CYLINDER FITS ALL

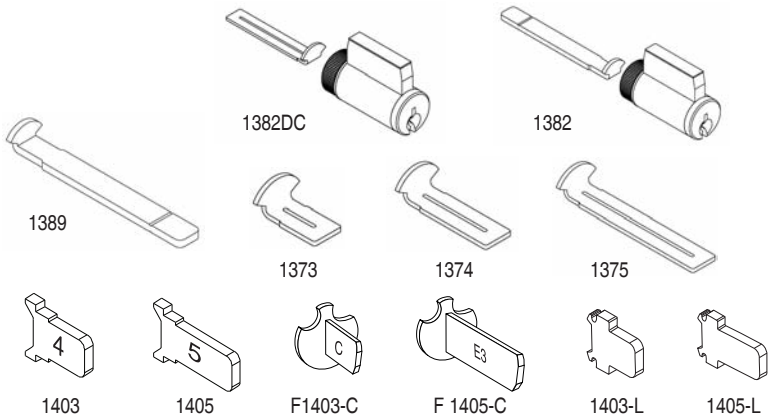
The Defender utilizes standard key-in-knob cylinders; same as MARKS cylindrical locksets. This important feature eliminates extra inventory of special cylinders making the key-in-knob cylinder inventory more versatile.

- **Provides access to largest variety of keyways**
- **Models also available for 6 or 7 pin IC cores (Best™ size)**

Conventional IC Core

EASY RETROFIT DEADBOLT

- Fits standard 2-1/8" diameter door prep
- The Defender offers a choice of tailpieces for MARKS & other OEM cylinders
- Fits 1-1/4" to 2-1/4" thick doors (Normally supplied for 1-3/4" door)
- Marks USA adapter tailpieces available for OEM conventional & IC Core cylinders



PART #	TAILPIECES FOR 130 DEADBOLTS	
DOUBLE CYLINDER		
1373	1-5/16" to 1-3/8"	MARKS 1382DC
1374	1-5/8" to 2"	
1375	2-1/8" to 2-3/8"	
SINGLE CYLINDER		
1389	1-3/4" to 2-1/4"	MARKS 1382
TAILPIECES FOR 145 DEADLATCHES		
1403	1-5/8" to 1-7/8"	MARKS TAILPIECE
1405	2" to 2-1/4"	
F1403-C	1-5/8" to 1-7/8"	SCHLAGE® TAILPIECE
F1405-C	2" to 2-1/4"	
1403-L	1-5/8" to 1-7/8"	LORI / ILCO TAILPIECES
1405-L	2" to 2-1/4"	

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

CUSTOM LOCKSET DIVISION
WE MAKE LOCKSETS TO SUIT YOUR NEEDS

ABOUT MARKS USA

MARKS USA was established in 1977 to serve a growing demand for a mortise lock manufacturing company who would satisfy the needs of an expanding market. Since then, the product line has grown to include residential and commercial locksets to meet and exceed the most stringent UL and BHMA/ANSI specifications. In 1989, the *Custom Lockset Division* was created to accommodate customers with special requirements of either lock function or design. Custom locksets have been developed for municipal and commercial applications as shown. These are various custom locksets developed to accommodate our customers needs. This is only a sampling of our solutions. We at the *Custom Lockset Division* welcome the opportunity to respond to special applications requiring a custom engineered lock product. We look forward to the challenge.

Designed for
Trump Tower
Chicago, IL

Designed for
The Barbizon
New York, NY

Designed for
The Plaza
New York, NY

Designed for The Mark Hotel
New York, NY

Designed for The Lucida
New York, NY

Designed for The Georgica
New York, NY

Designed for The Stanhope
New York, NY

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

LifeSaver™ SERIES INSTITUTIONAL LIFE SAFETY LOCKSETS

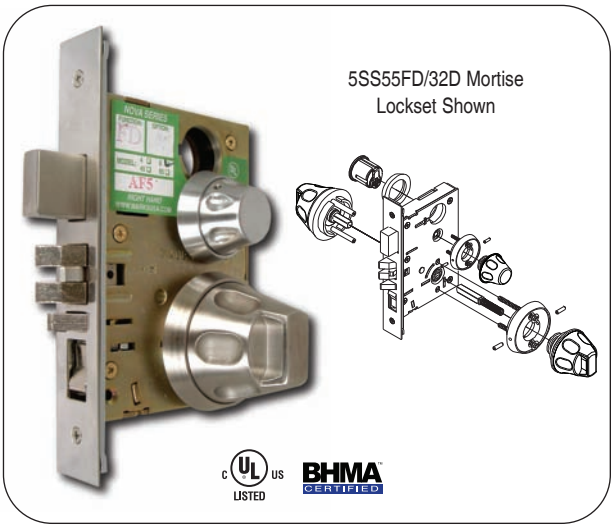
Marks USA Custom Lock Division has developed ANSI Grade 1 Institutional Life Safety Locksets to address Managed Liability, Accident Prevention, Life Safety and Security in Behavioral Health Care Institutions. The shape and construction of the SS55 & SS19 Series locksets are designed to restrict the attachment of lines, laces, etc. to door knobs and levers. In addition, with the knobs/levers recessed into the rosettes, the chance of capturing a line between the knob/lever and rosette is substantially eliminated.

MARKS # 5 & 55 SS55		FUNCTION	ANSI #	FINISH GROUPS
COMM. CYL.	IC CORE CYL.✳			
KEYED SINGLE CYLINDER, NO DEADBOLT				
D	RD	OFFICE VEST.		
DW	RDW	VESTIBULE		
E	RE	OFFICE	F04	
EW	REW	STOREROOM	F07	
J	RJ	CLASSROOM	F05	
JM, JR	RJM, RJR	HOSPITAL	F06	
GL	RGL	INSTITUTIONAL PRIVACY	F26	
EL	REL	ELECTRICALLY LOCKED		
EU	REU	ELECTRICALLY UNLOCKED		
KEYED SINGLE CYLINDER, WITH DEADBOLT				
A	RA	ENTRANCE	F08, F10	
B	RB	ENTRANCE	F21	
F	RF	DORMITORY	F12	
FS	RFS	DORMITORY		
FW	RFW	DORMITORY	F13	
FD	RFD	APARTMENT	F20	
H	RH	HOTEL	F15	
LH	RLH	SPECIAL PRIVACY		
KEYED DOUBLE CYLINDER, NO DEADBOLT				
G	RG	APARTMENT	F09	
GC	RGC	INTRUDER LATCHBOLT	F32	
GG	RGG	CLASSROOM SECURITY		
GR	RGR	CLASSROOM SECURITY w/HOLDBACK		
WW	RWW	INSTITUTIONAL	F30	
KEYED DOUBLE CYLINDER, WITH DEADBOLT				
AC	RAC	ENTRANCE	F35	
C	RC	STOREROOM	F14	
FC	RFC	INTRUDER DEADBOLT	F34	
FA	RFA	DORMITORY	F11	
FX	RFX	DORMITORY	F33	
KEYLESS				
N	—	PASSAGE	F01	
L	—	BATHROOM	F02	
LF	—	PRIVACY	F19	
LJ	—	PRIVACY	F22	
EX	—	EXIT	F31	
DUMMY TRIM				
DI	—	DUMMY TRIM INSIDE		
DO	—	DUMMY TRIM OUTSIDE		
DT	—	FULLY DUMMY		

32D

✳**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

Antimicrobial Finish Available
Option Code: AM



STANDARD FEATURES

PERFORMANCE SPECIFICATIONS

Life Test: 1,500,000 cycles minimum.

ANSI Test: Meets or exceeds all operational and security tests of ANSI specifications A156.13-2005 for series 5000, Grade 1.

Fire Test: UL Listed, 3 hour fire rated.

TRIM SPECIFICATIONS

Exterior & Interior Trim:

- Solid stainless steel interior and exterior tapered knobs recessed into thru-bolted roses
- Specially designed finger indented safety knobs with recessed grip and ergonomically designed integral grooved turn knob for elderly and handicapped access *(Patent #D587556)*
- Needle bearings ensure smoothness of operation

Cylinder: Solid brass cylinders with solid brushed chrome security collars. Optional HI-SECURITY™ available.

Strike: 4-7/8" curved lip stainless steel w/tamperproof screws.

Door Thickness: 1-3/4" standard. Extended range available.

Door Prep: ANSI A115.1 lock face cutout, with 2-1/8" through hole for knob/rose assembly.

Backset: 5 Series: 2-3/4" standard, 55 Series: 2-1/2" optional

Lock Front: Adjustable bevel steel backplate 1-1/4" x 8" x 7/64" thick. Cover plate 1/16" thick with tamper proof screws.

Latch: Solid stainless steel with antifriction latch lever, 3/4" throw (reversible).

Aux. Deadlatch: 1/2" throw, (reversible).

Case: Stamped steel 3/32" thick, zinc dichromate finish.

Hubs: Steel, 9/32" on diamond, 5/16" on square with security separator.

Hub Lock Arm: (to lock hub) Steel 1/8" thick.

Spindles: Independent spring-loaded spindles.

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

SS19 SERIES - LEVERS

INSTITUTIONAL LIFE SAFETY MORTISE LOCKSETS

Standard Features

Performance Specifications

Life Test: 1,500,000 cycles minimum.

Trim Specifications

Exterior & Interior Trim:

- Solid stainless steel interior and exterior tapered levers recessed into thru-bolted roses
- Specially ergonomically designed integral grooved turn knob for elderly and handicapped access *(Patent D#587556)* on some functions.
- Needle bearings ensure smoothness of operation
- Clutch

Cylinder: Solid stainless steel cylinders with solid stainless steel security collars; Optional HI-SECURITY™ cylinders available

Strike: 4-7/8" curved lip stainless steel w/tamperproof screws

Door Thickness: 1-3/4" standard; Extended range available

Door Prep: ANSI A115.1 lock face cutout, with 2-1/8" through hole for knob/rose assembly

Backset: 5 Series: 2-3/4" standard, 55 Series: 2-1/2" optional

Lock Front: Adjustable bevel steel backplate 1-1/4" x 8" x 7/64" thick, Cover plate 1/16" thick with tamper proof screws

Latch: Solid stainless steel with antifriction latch lever, 3/4" throw (reversible)

Aux. Deadlatch: 1/2" throw, (reversible)

Case: Stamped steel 3/32" thick, zinc dichromate finish

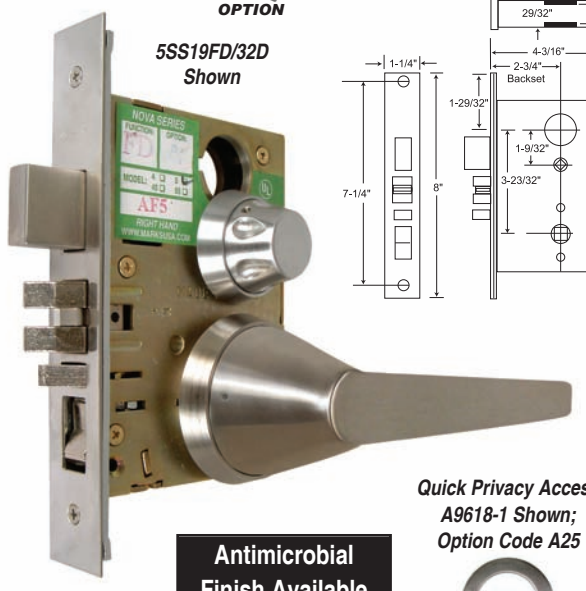
Hubs: Steel, 9/32" on diamond, 5/16" on square w/security separator

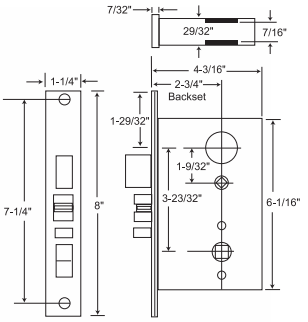
Hub Lock Arm: (to lock hub) Steel 1/8" thick

Spindles: Independent spring-loaded spindles

BHMA CERTIFIED · c UL us LISTED · MARKS USA HI-SECURITY OPTION

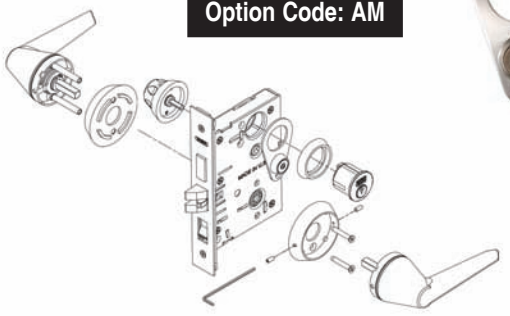
5SS19FD/32D Shown





Antimicrobial Finish Available Option Code: AM

Quick Privacy Access A9618-1 Shown; Option Code A25



CODE: G1 & G3 For IC Core Option

MARKS # COMM. CYL.	FUNCTION	ANSI #	SERIES SS19 5 & 55 FINISH GROUPS
KEYED SINGLE CYLINDER, NO DEADBOLT			
D	OFFICE VEST.		
DW	VESTIBULE		
E	OFFICE	F04	
EW	STOREROOM	F07	
J	CLASSROOM	F05	
JM, JR	HOSPITAL	F06	
GL	INSTITUTIONAL PRIVACY	F26	
EL	ELECTRICALLY LOCKED		
EU	ELECTRICALLY UNLOCKED		
KEYED SINGLE CYLINDER, WITH DEADBOLT			
A	ENTRANCE	F08,	
B	ENTRANCE	F21	
F	DORMITORY	F12	
FS	DORMITORY		
FW	DORMITORY	F13	
FD	APARTMENT	F20	
H	HOTEL	F15	
LH	SPECIAL PRIVACY		
KEYED DOUBLE CYLINDER, NO DEADBOLT			
G	APARTMENT	F09	**32D**
GC	INTRUDER LATCHBOLT	F32	
GG	CLASSROOM SECURITY		
GR	CLASSRM. SEC. w/HOLDBACK		
WW	INSTITUTIONAL	F30	
KEYED DOUBLE CYLINDER, WITH DEADBOLT			
AC	ENTRANCE	F35	
C	STOREROOM	F14	
FC	INTRUDER DEADBOLT	F34	
FA	DORMITORY	F11	
FX	DORMITORY	F33	
KEYLESS			
N	PASSAGE	F01	
L	BATHROOM	F02	
LF	PRIVACY	F19	
LJ	PRIVACY	F22	
EX	EXIT	F31	
DUMMY TRIM			
DI	DUMMY TRIM INSIDE		
DO	DUMMY TRIM OUTSIDE		
DT	FULLY DUMMY		

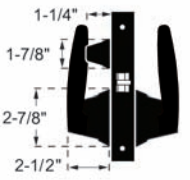
★ Standard & HI-SECURITY™ IC Core Models:

Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®

IC Core Tailpieces ARE Included. WHEN ORDERING IC CORE CYLINDER, ADD THE PREFIX "R" TO THE PART NUMBER ie: ***5SS55RA/32D***

Function "LJ" F22:

ANSI F22 Latch by lever either side except when outside lever is locked by inside turnpiece. Turning inside lever or closing door unlocks outside lever. To unlock from outside, remove emergency button, insert emergency key in access hole and turn. Optional coin key assembly available.



LifeSaver by MARKSUSA

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

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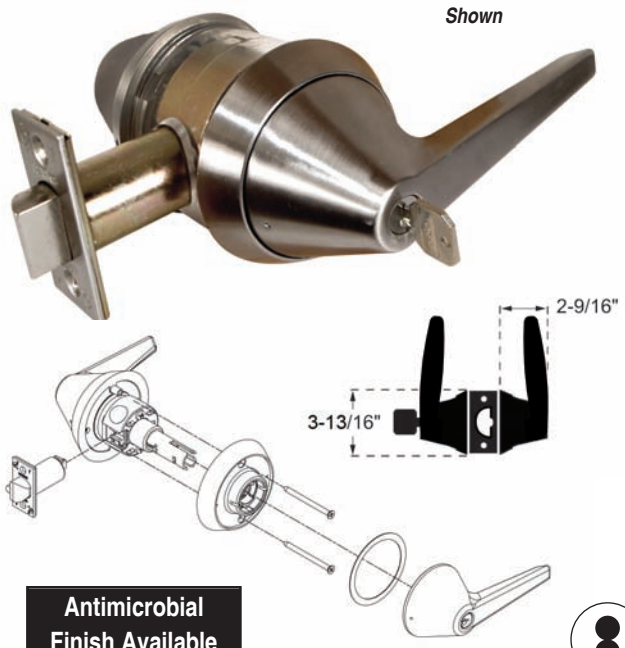
SS19 SERIES - LEVERS

INSTITUTIONAL LIFE SAFETY CYLINDRICAL LOCKSETS1

SERIES 1SS19				
MARKS #		DESCRIPTION	ANSI #	FINISH GROUPS
COMM. CYL.	IC CORE CYL.*			
N	—	PASSAGE	F75	32D
L	—	PRIVACY	F76	
LK	—	PRIVACY	F76 MOD.	
P	—	PATIO	F77	
DC	RDC	COMMUNICATING	F80	
A	RA	ENTRY	F81	
B	RB	ENTRY	F82A	
AB	RAB	ENTRANCE	F109	
AQ	—	EXIT	F83	
S	RS	CLASSROOM	F84	
F	RF	STOREROOM	F86	
DW	RDW	INSTITUTION	F87	
DA	RDA	VESTIBULE	F88	
FQ	—	EXIT	F89	
T	RT	CORRIDOR	F90	
TK	RTK	HOSPITAL/PRIV.	F90 MOD.	
GB	RGB	STORE DOOR	F91	
BS	RBS	SVC. STATION LOCK	F92	
H	—	HOTEL	F93	
DB	RDB	CLASSROOM INTRUDER	F110	
DO	—	DUMMY TRIM OUTSIDE	—	
DT	—	FULL DUMMY TRIM	—	
NB	—	COMM. PASSAGE	F111	
FB	RFB	COMM. STOREROOM	F112	
SB	RSB	COMM. CLASSROOM	F113	
FEL	RFEL	ELECTRICALLY LOCKED	—	
FEU	RFEU	ELECTRICALLY UNLOCKED	—	
PACKED 6 PER CASE				

BHMA CERTIFIED · c UL us LISTED · MARKS USA HI-SECURITY OPTION

1SS19S Shown



Antimicrobial Finish Available Option Code: AM

Standard Features

- ANSI-A156.2 Grade 1, UL listed 3 Hr. Fire Rating
- Backset: 2-3/4" Standard, 2-3/8", 3-3/4", 5" Available
- Latch #1834, stainless steel nose
- Levers: Solid cast stainless steel
- Roses: Thru-bolted, spring loaded, #10 thru-bolts
- Strike: #1135, 4-7/8" ASA curved lip strike
- Door thickness: 1-5/8" to 1-7/8"
- Cylinder: MARKS "C" keyway, 6 pin w/ 2 keys
- Stainless steel retractor
- Clutch

OPTIONS	CODE
For 2" doors	D1
For 2-1/4" doors	D2
Over 2-1/4" - 4" thickness	D9
2-3/8" backset, 1" x 2-1/4" face	E6
2-3/4" backset, 3/4" throw, Gr. 1	E8
5" backset, 9/16" throw, Gr. 1	E9
3-3/4" backset, 9/16" throw, Gr. 1	E10
Less cylinder	G3
2-3/4" "T" strike	S3

OPTIONS	CODE
Yale conventional	F7
Sargent conventional cylinder	F8
Corbin conventional cylinder	F9
Corbin 6 pin IC core	F12
Corbin 7 pin IC core	F13
Yale 6 pin IC core	F14
Yale 7 pin IC core	F15
Schlage 6 pin IC core (195 Only)	F19
Sargent IC core	F20

✱ Standard & HI-SECURITY™ IC Core Models:
Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®
IC Core Tailpieces ARE Included. WHEN ORDERING IC CORE CYLINDER, ADD THE PREFIX "R" TO THE PART NUMBER ie: ***5SS55RA/32D***

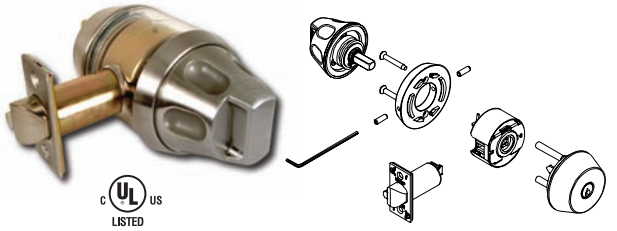
LifeSaver™ by MARKSUSA

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

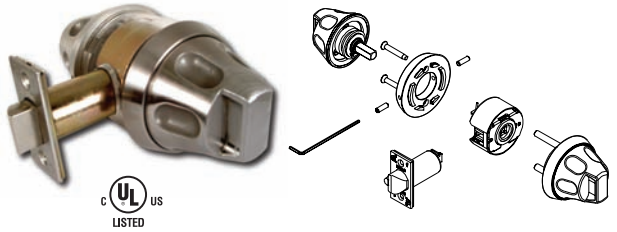
SS55 SERIES

INSTITUTIONAL LIFE SAFETY CYLINDRICAL LOCKSETS ANSI 156.2 GRADE 1 & MORTISE DEADLOCKS ANSI 156.5 GRADE 1

1SS55K/32D Shown



1SS55N/32D Shown



MARKS # 1 SS55		FUNCTION	ANSI #	FINISH GROUPS
COMM. CYLINDER	IC CORE CYLINDER✳			
KEYED SINGLE CYLINDER, WITH DEADBOLT				32D
K	RK	CYLINDER x KNOB	E0121	
KEYLESS				
N	—	PASSAGE	F75	

✳**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

STANDARD FEATURES

PERFORMANCE SPECIFICATIONS

Life Test: 1,500,000 cycles minimum.

ANSI Test: Meets or exceeds all operational and security tests of ANSI specifications A156.2-2003 for series 1000, Grade 1.

Fire Test: UL Listed, 3 hour fire rated.

TRIM SPECIFICATIONS

Exterior & Interior Trim:

- Solid stainless steel interior and exterior tapered knobs recessed into thru-bolted roses
- Specially designed finger indented safety knobs with recessed grip and ergonomically designed integral grooved turn knob for elderly and handicapped access *(Patent #D587556).*
- Needle bearings ensure smoothness of operation

1SS55K Cylindrical Deadlatch Lockset: ANSI E0121 Cylinder x Knob

Latch by knob inside, key outside.

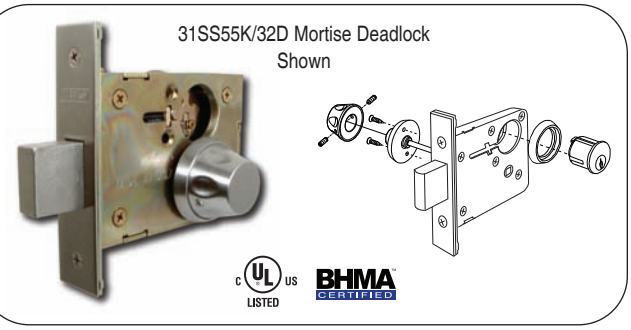
Strike: #1136, 2-3/4" "T" strike; #1135 4-7/8" ASA strike optional
Door Prep: ANSI 115.2
Latch: ANSI 156.2, Grade 1, 3 Hour fire rated
Door Thickness: 1-3/4"
Backset: 2-3/4" Backset; 3-3/4" and 5" backsets also available
Latch Face: 1-1/8" x 2-1/4" with tamper proof screws
Cylinder: Solid brass cylinder, 6-pin, "C" keyway; Optional HI-SECURITY™ cylinders available

1SS55N Cylindrical Lockset: ANSI F75 Passage

Latch by knob either side, always open.

Strike: #1136, 2-3/4" "T" strike
Door Prep: ANSI 115.2
Latch: ANSI 156.2, Grade 1, 3 Hour fire rated
Backset: 2-3/4" backset standard, 2-3/8" backset optional; 3-3/4" and 5" backsets also available
Latch Face: 1-1/8" x 2-1/4" with tamper proof screws
Latch Throw: 9/16"

31SS55K/32D Mortise Deadlock Shown



MARKS # 31SS55		FUNCTION	ANSI #	FINISH GROUPS
COMM. CYLINDER	IC CORE CYLINDER✳			
KEYED SINGLE CYLINDER, WITH DEADBOLT				32D
K	RK	CYLINDER x KNOB	E06071	
S	RS	CLASSROOM	E06091	

✳**Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

STANDARD FEATURES

PERFORMANCE SPECIFICATIONS

Life Test: 1,500,000 cycles minimum.

ANSI Test: Meets or exceeds all operational and security tests of ANSI A156.5-2001 for series 31, Grade 1.

Fire Test: UL Listed, 3 hour fire rated.

TRIM SPECIFICATIONS

Interior Trim:

Solid stainless steel interior trim including finger indented safety knobs which recess into solid brass through-bolted roses.

Series 31 Deadlock Specifications ANSI E06071 Cylinder x Turnpiece

Deadbolt by outside key. Interior safety knob will retract but not project deadbolt.

Backset: 2-3/4"
Strike: #4035 1-1/8" x 3-1/8" standard, #3135 4-7/8" x 1-1/4" optional
Bolt Throw: 1" Stainless steel with hardened roll pins
Case: Stamped steel
Front: 1-1/16" x 4-5/8" adjustable bevel
Cylinder: Solid brass cylinder, 6-pin,"C" keyway. Optional HI-SECURITY™ cylinders available.

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

PD SERIES HOSPITAL LOCKSETS

CYLINDRICAL & MORTISE PUSH/PULL PADDLESETS

CYLINDRICAL ANSI 156.2 GRADE 1 & MORTISE ANSI 156.13 GRADE 1

PD SERIES HOSPITAL LOCKSETS

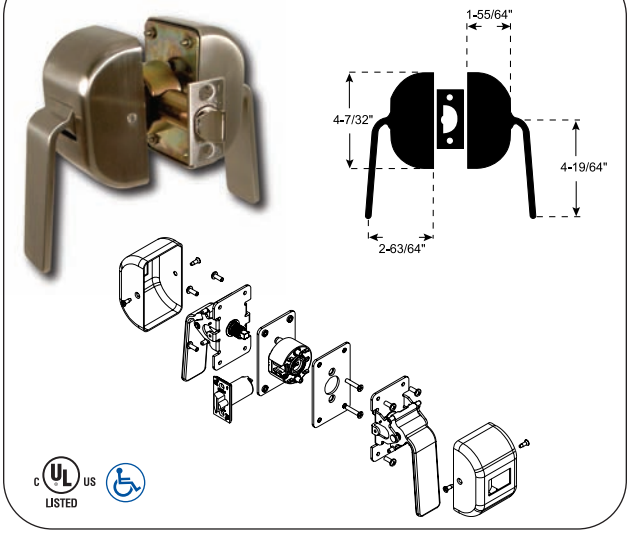
Our unique cylindrical and mortise hospital push/pull paddlesets feature universal assemblies where you can choose to install handles to point two-up or two-down or one-up and one-down. No handing needed. Marks USA design innovation also produced an improved short angle design meaning easier hands free push/pull for the user. Great retrofit, superior for new construction!

MARKS # 1 PD	FUNCTION	ANSI #	FINISH GROUPS
KEYLESS			32D
N	PASSAGE	F75	

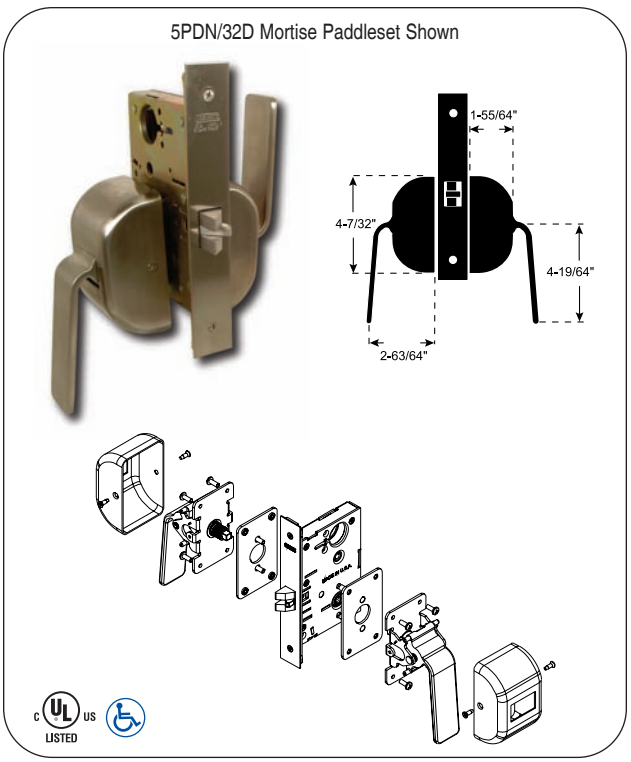
MARKS # 5 & 55 PD	FUNCTION	ANSI #	FINISH GROUPS
KEYED SINGLE CYLINDER, NO DEADBOLT			
D	OFFICE VEST.		
DW	VESTIBULE		
E	OFFICE	F04	
EW	STOREROOM	F07	
J	CLASSROOM	F05	
JM, JR	HOSPITAL	F06	
GL	INSTITUTIONAL PRIVACY	F26	
EL	ELECTRICALLY LOCKED		
EU	ELECTRICALLY UNLOCKED		
KEYED SINGLE CYLINDER, WITH DEADBOLT			
A	ENTRANCE	F08, F10	
B	ENTRANCE	F21	
F	DORMITORY	F12	
FS	DORMITORY		
FW	DORMITORY	F13	
FD	APARTMENT	F20	
H	HOTEL	F15	
LH	SPECIAL PRIVACY		
KEYED DOUBLE CYLINDER, NO DEADBOLT			
G	APARTMENT	F09	32D
GC	INTRUDER LATCHBOLT	F32	
GG	CLASSROOM SECURITY		
GR	CLASSROOM SECURITY w/HOLDBACK		
WW	INSTITUTIONAL	F30	
KEYED DOUBLE CYLINDER, WITH DEADBOLT			
AC	ENTRANCE	F35	
C	STOREROOM	F14	
FC	INTRUDER DEADBOLT	F34	
FA	DORMITORY	F11	
FX	DORMITORY	F33	
KEYLESS			
N	PASSAGE	F01	
L	BATHROOM	F02	
LF	PRIVACY	F19	
LJ	PRIVACY	F22	
EX	EXIT	F31	
DUMMY TRIM			
DI	DUMMY TRIM INSIDE		
DO	DUMMY TRIM OUTSIDE		
DT	FULLY DUMMY		

✻ **Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included). **Accepts:** Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®. **IC Core Tailpieces ARE Included.**

1PDN/32D Cylindrical Paddleset Shown



5PDN/32D Mortise Paddleset Shown



STANDARD FEATURES

Cylindrical:

- Backset: 2-3/4" standard, 2-3/8", 3-3/4" and 5" optional
- Strike: #1136, 2-3/4" "T" strike; #1135 4-7/8" ASA strike optional
- Government standard #161

Mortise:

- Backset: 5 Series 2-3/4", 55 Series 2-1/2"
- Strike: #9035, 4-7/8" ASA curved lip strike
- Door Thickness: 1-3/4", self adjusting for thicker doors
- ANSI-A156.2, Grade 1
- Lead lining and engraving available
- ADA Compliant • Non-Handed
- Functional, modern design with variable mounting positions
- Standard 32D finish, consult factory for available finishes
- Easily reversible configuration for push or pull styles

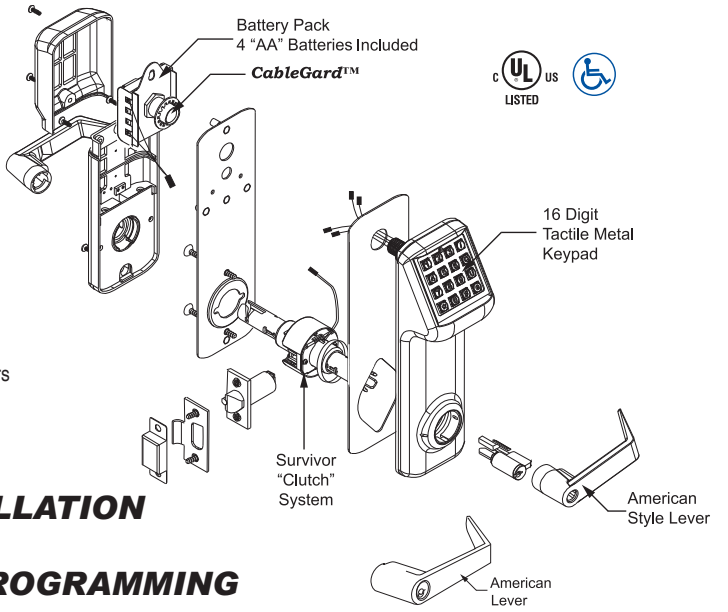
LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

I-QWIK LITE ELECTRONIC ACCESS CONTROL

NO-NONSENSE ACCESS CONTROL RIGHT OUT OF THE BOX!

NEW iQWIK LITE

IQ1LITE Cylindrical Model Shown;
19 Black Powder Coat finish with
26D Satin Chrome Plated American Levers



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iQWIK INSTALLATION

iQWIK PROGRAMMING

MARKS #		LOCKSET TYPE	# OF USERS	FINISH GROUPS	
For Finish 19	*For Finish 26D*				
IQ1LITE	**IQ1L/26D**	Cylindrical Lockset	160	**19: Black Powder Coat with 26D Satin Chrome Plated American Levers**	**26D: Satin Chrome Plated**
IQ2LITE	**IQ2L/26D**	Mortise Lockset			
IQ7LITE	**IQ7L/26D**	Rim Exit Device Interface *Adapter plates operate most manufacturers Rim Exit Devices* *Adapter plates for Mounting Exit Devices are sold separately, see page 21.*			

I-QWIK LITE STANDARD FEATURES

- ***CableGard™*** protects wires for easy installation
- Standard ANSI door prep with one additional hole
- Pre-programmed code
- Keypad programmable
- 160 User codes
- Temporary user codes
- Passage mode
- Pin only mode
- Double code entry for maximum security
- Two wire remote release
- 16 Digit tactile metal keypad
- Weatherproof standard
- Audible & visible entry indicator
- Audible low battery alert
- 4 "AA" batteries, 95,000 operations
- Easy installation

LOCKSET SPECIFICATIONS

IQ1 LITE CYLINDRICAL LOCKSET

Door Thickness: 1-3/4" standard
For thicker doors, Consult factory
Handing: Non-handed
Key Override: Marks "C" keyway, 6 pin w/2 keys, IC Core optional
Lock Body: Cylindrical "Survivor" featuring the "Clutch" for trouble free service
Latch: Grade 2, 2-3/4" backset, 1/2" throw, 3 Hour UL fire rated
Strike Plate: 4-7/8" ASA strike

IQ2 LITE MORTISE LOCKSET

Door Thickness: 1-3/4" standard
For thicker doors, Consult factory
Handing: Field reversible
Key Override: 1-1/8" Mortise cylinder, 6 pin w/2 keys
Lock Body: Grade 1, Series 5, 2-3/4" backset, 3/4" anti-friction latch, 3 Hour UL fire rating
Auxiliary Latch: 1/2" throw
Bolt Throw: 1" (Optional deadbolt functions - Consult factory)
Clutch: The "Clutch" for trouble free service
Strike Plate: 4-7/8" ASA standard

IQ7 LITE RIM EXIT DEVICE INTERFACE

Door Thickness: 1-3/4" standard
For thicker doors, Consult factory
Handing: Non-handed
Key Override: 1-1/8" Mortise cylinder, 6 pin w/2 keys
Clutch: The "Clutch" for trouble free service

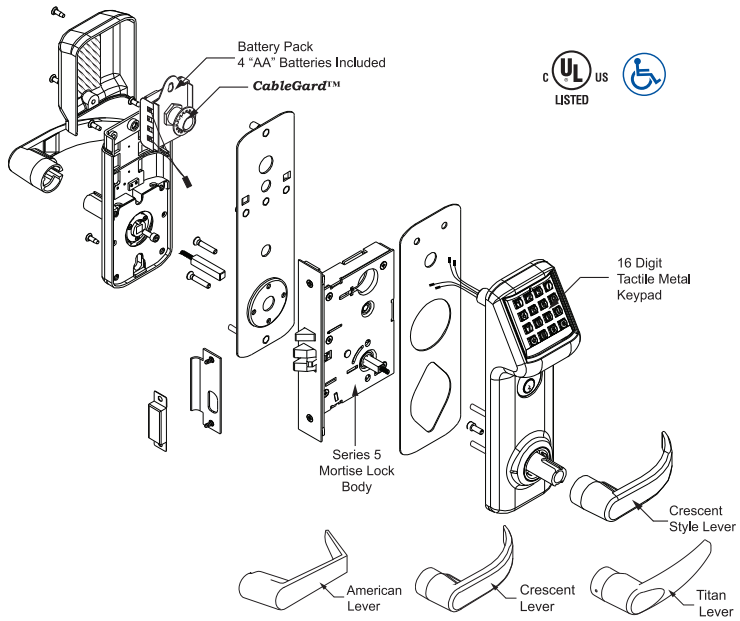
Adapter plates operate most manufacturers Rim Exit Devices. Adapter plates for Mounting Exit Devices are sold separately, see page 21.

LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

I-QWIK DATA ELECTRONIC ACCESS CONTROL

STAND ALONE ACCESS CONTROL

IQ2DATA/26D Mortise Model Shown with Crescent Lever & i-Dat MARK2 USB Unit with U3 Memory Stick



MARKS #		LOCKSET TYPE	# OF USERS	AUDIT TRAIL EVENTS	FINISH GROUPS	
For Finish 19	*For Finish 26D*					
IQ1DATA	**IQ1D/26D**	Cylindrical Lockset	320	1600	**19: Black Powder Coat with 26D Satin Chrome Plated American Levers**	**26D: Satin Chrome Plated**
IQ2DATA	**IQ2D/26D**	Mortise Lockset				
IQ7DATA	**IQ7D/26D**	Rim Exit Device Interface *Adapter plates operate most manufacturers Rim Exit Devices* *Adapter plates for Mounting Exit Devices are sold separately, see page 21.*				

I-QWIK DATA STANDARD FEATURES

- ***CableGard™*** protects wires for easy installation
- Weatherproof standard
- Shielded electronics
- 16 Digit tactile metal keypad
- 320 User capability
- 1600 Event audit trail
- 160 Scheduled events
- 32 Programmable holidays
- Real time clock
- Multiple entry codes for max security
- Full scheduling features
- Pin only
- Terminator on/off
- Built in relay
- 3-10 Digit user code
- Temporary user codes
- First manager to arrive
- Panic alarm interface
- Two wire remote release
- Fire tower lock function
- Programmable by keypad or by use of the i-Dat software package *(See page 22 for more information)*
- On-the-door upgradable memory
- Privacy mode *(input to lockout keypad entry optional, consult factory)*
- Scheduled/Manual passage mode
- Audible & visible entry indicator
- Audible low battery alert
- 4 "AA" batteries included
- Additional finishes, consult factory

LOCKSET SPECIFICATIONS

IQ1 DATA CYLINDRICAL LOCKSET

Door Thickness: 1-3/4" standard
Spacer kit available for thinner doors; For thicker doors consult factory

Handing: Non-handed

Key Override: Marks "C" Keyway, 6 pin w/2 keys, IC Core optional

Lock Body: Grade 2 Cylindrical "Survivor"

Latch: Grade 2, 2-3/4" backset, reversible with 9/16" throw, 3 Hour UL fire rating

Clutch: The "Clutch" for trouble free service

Strike Plate: 4-7/8" ASA strike

IQ2 DATA MORTISE LOCKSET

Door Thickness: 1-3/4" standard
Spacer kit available for thinner doors; For thicker doors consult factory

Handing: Field reversible

Key Override: 1-1/8" Mortise cylinder, Marks "C" Keyway, 6 pin w/2 keys, or 1-3/8" IC Core housing optional

Lock Body: Grade 1, Series 5, 2-3/4" backset, 3/4" anti-friction latch, 3 Hour UL fire rating

Auxiliary Latch: 1/2" throw

Bolt Throw: 1" *(Optional deadbolt functions - Consult factory)*

Hubs: Steel, 5/16" square with security separator

Clutch: The "Clutch" for trouble free service

Strike Plate: 4-7/8" ASA standard

IQ7 DATA RIM EXIT DEVICE INTERFACE

Door Thickness: 1-3/4" - 2-1/4" standard
Spacer kit available for thinner doors; For thicker doors consult factory

Handing: Non-handed

Key Override: 1-1/8" Mortise cylinder, Marks "C" Keyway, 6 pin w/2 keys, or 1-3/8" IC Core housing optional

Clutch: The "Clutch" for trouble free service

Adapter plates operate most manufacturers Rim Exit Devices. Adapter plates for Mounting Exit Devices are sold separately, see page 21.

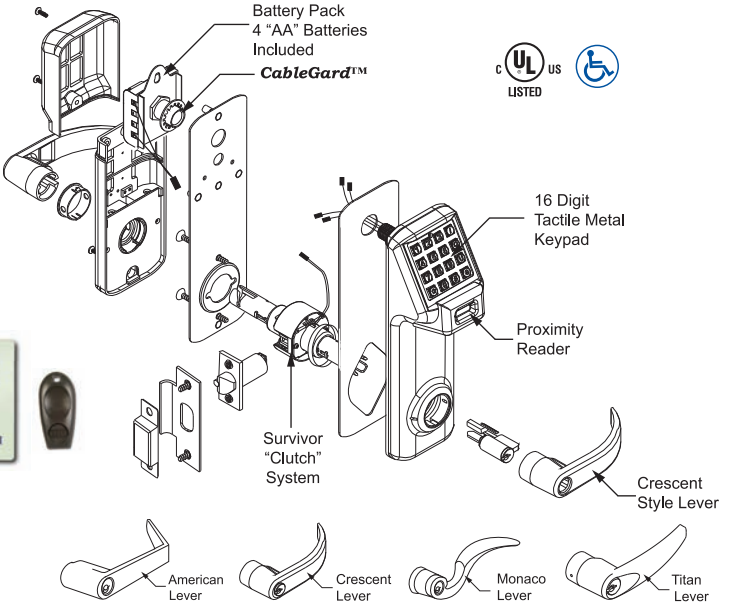
LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

I-QWIK PROX ELECTRONIC ACCESS CONTROL

PROX STAND ALONE ACCESS CONTROL

NEW iQWIK PROX

IQ1P/26D Cylindrical Proximity Reader Model Shown with Crescent Lever, i-Dat MARK2 USB Unit with U3 Memory Stick, Proximity Card & Keyfob



MARKS #		LOCKSET TYPE	# OF USERS	AUDIT TRAIL EVENTS	FINISH GROUPS	
For Finish 19	*For Finish 26D*					
IQ1PROX	**IQ1P/26D**	Cylindrical Lockset	3008	1180	**19: Black Powder Coat with 26D Satin Chrome Plated American Levers**	**26D: Satin Chrome Plated**
IQ2PROX	**IQ2P/26D**	Mortise Lockset				
IQ7PROX	**IQ7P/26D**	Rim Exit Device Interface *Adapter plates operate most manufacturers Rim Exit Devices* *Adapter plates for Mounting Exit Devices are sold separately, see page 21.*				

I-QWIK PROX STANDARD FEATURES

- ***CableGard™*** protects wires for easy installation
- Weatherproof standard
- Shielded electronics
- 16 Digit tactile metal keypad
- 3008 User capability
- 1180 Event audit trail
- 1600 Scheduled events
- 56 Programmable holidays
- Real time clock
- Multiple entry codes for max security
- Full scheduling features
- Pin only
- Terminator on/off
- Built in relay
- 3-10 Digit user code
- Temporary user codes
- First manager to arrive
- Panic alarm interface
- Two wire remote release
- Fire tower lock function
- Accepts HID cards and fobs in 26, 33 and 37 format
- Programmable by keypad or by use of the i-Dat software package *(See page 22 for more information)*
- Privacy mode *(input to lockout keypad entry)*
- Scheduled/Manual passage mode
- Audible & visible entry indicator
- Audible low battery alert
- 4 "AA" batteries included
- **HI-SECURITY™ Cylinder Standard (Cylindrical Model Only)**
- Additional finishes, consult factory

LOCKSET SPECIFICATIONS

IQ1 PROX CYLINDRICAL LOCKSET

Door Thickness: 1-3/4" standard
For thicker doors consult factory
Spacer kit available for thinner doors

Handing: Non-handed

Key Override: Marks HI-SECURITY™ Cylinder std. Marks "C" Keyway, 6 pin w/2 keys, IC Core optional

Lock Body: Grade 2 Cylindrical "Survivor"

Latch: Grade 2, 2-3/4" backset, reversible with 9/16" throw, 3 Hour UL fire rating

Clutch: The "Clutch" for trouble free service

Strike Plate: 4-7/8" ASA strike

IQ2 PROX MORTISE LOCKSET

Door Thickness: 1-3/4" standard
For thicker doors consult factory
Spacer kit available for thinner doors

Handing: Field reversible

Key Override: 1-1/8" Mortise cylinder, Marks "C" Keyway, 6 pin w/2 keys, or 1-3/8" IC Core housing optional

Lock Body: Grade 1, Series 5, 2-3/4" backset, 3/4" anti-friction latch, 3 Hour UL fire rating

Auxiliary Latch: 1/2" throw

Bolt Throw: 1" *(Optional deadbolt functions - Consult factory)*

Hubs: Steel, 5/16" square with security separator

Clutch: The "Clutch" for trouble free service

Strike Plate: 4-7/8" ASA standard

IQ7 PROX RIM EXIT DEVICE INTERFACE

Door Thickness: 1-3/4" - 2-1/4" standard
For thicker doors consult factory
Spacer kit available for thinner doors

Handing: Non-handed

Key Override: 1-1/8" Mortise cylinder, Marks "C" Keyway, 6 pin w/2 keys, or 1-3/8" IC Core housing optional

Clutch: The "Clutch" for trouble free service

Adapter plates operate most manufacturers Rim Exit Devices. Adapter plates for Mounting Exit Devices are sold separately, see page 21.

LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY • FINISHES ARE EXCLUDED FROM THIS WARRANTY

I-QWIK SERIES ELECTRONIC ACCESS CONTROL

RIM EXIT DEVICE STAND ALONE ACCESS CONTROL

MARKS #		LOCKSET TYPE	FINISH GROUPS	
For Finish 19	*For Finish 26D*			
IQ7LITE	IQ7L/26D	Rim Exit Device Interface *Adapter plates operate most manufacturers Rim Exit Devices* *Adapter plates for Mounting Exit Devices are sold separately, see below.*	**19:** **Black Powder Coat with 26D Satin Chrome Plated American Levers**	**26D:** **Satin Chrome Plated**
IQ7DATA	IQ7D/26D			
IQ7PROX	IQ7P/26D			

STANDARD FEATURES

- For the IQ7 LITE standard features and lockset specifications, see page 18.
- For the IQ7 DATA standard features and lockset specifications, see page 19.
- For the IQ7 PROX standard features and lockset specifications, see page 20.
- Additional finishes, consult factory

ADAPTER PLATES

Rim exit device interface with a choice of adapter plates to fit most rim exit devices *(available separately)* are listed below:

DESCRIPTION	PART #
M9900 - Von Duprin 99 Rim Adapter Plate/Detex Advantex 10 Series Rim Adapter Plate	E7071
Precision 1100 Rim Adapter Plate	E7072
Yale 7100 Rim Adapter Plate/Corbin ED5200 Rim Adapter Plate	E7073
Dorma 9300 Rim Adapter Plate	E7074
Sargent 8800 Rim Adapter Plate/Arrow 3800 Rim Adapter Plate	E7075
Precision 21 Rim Adapter Plate/Precision 2100 Rim Adapter Plate**	E7076
Von Duprin 88 - ***Special Order, Consult Factory***	E7077
Monarch 18R Exit Device Adapter Plate	E7078

***** MUST USE PRECISION #BP21 BACKPLATE***

LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

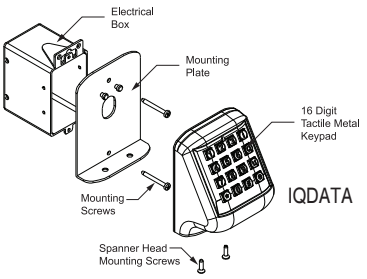
I-QWIK DATA & PROX ELECTRONIC ACCESS CONTROL

DIGITAL ACCESS CONTROL KEYPAD OR KEYPAD WITH PROXIMITY CARD READER

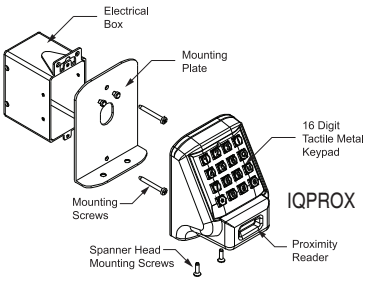
IQDATA Digital Access Control Keypad, IQPROX Digital Access Control Keypad with Proximity Card Reader, i-Dat MARK2 USB Unit with U3 Memory Stick Shown with Proximity Card & Keyfob

IQDATA

IQPROX



IQDATA



IQPROX

MARKS #	LOCKSET TYPE	# OF USERS	AUDIT TRAIL EVENTS	FINISH GROUPS
IQDATA	Digital Access Control Keypad	320	1600	**19: Black Powder Coat**
IQPROX	Digital Access Control Keypad with Proximity Card Reader	3008	1180	

I-QWIK DATA & I-QWIK PROX STANDARD FEATURES

- ***CableGard™*** protects wires for easy installation *(Wall mounted units ONLY)*
- Installs into a standard electrical box or can be wall mounted
- Relay function; 12/24V AC/DC, Max 48 volts @ 3 amps
- Weatherproof standard
- Shielded electronics
- 16 Digit tactile metal keypad
- Fire Tower Function
- Panic alarm interface
- Two wire remote release
- Privacy Mode (input to lockout keypad entry)
- Scheduled/Manual passage mode
- Audible & visible entry indicator
- Audible low battery alert
- Programmable by keypad or by use of the i-Dat software package *(See below for more information)*
- Pin only
- Terminator on/off
- Built-in relay
- Real time clock
- Temporary user codes
- Multiple entry codes for max security
- First manager to arrive
- Additional finishes, consult factory

IQDATA DIGITAL ACCESS CONTROL KEYPAD:

- 320 Users
- 1600 Event audit
- 3-10 Digit user code
- On-the-door upgradable memory

IQPROX DIGITAL ACCESS CONTROL KEYPAD WITH PROXIMITY CARD READER:

- 3008 User capability
- Accepts HID cards and fobs in 26, 33 and 37 format
- Access granted by keypad only, card only, or a combination of keypad & card for maximum security

REQUIRES:

- **6V/DC power supply *(not supplied)* or battery pack *(sold separately)***

I-DAT MARK2 USB UNIT WITH U3 MEMORY STICK

UPLOAD/DOWNLOAD MODULE

i-Dat MARK2 USB Unit with U3 Memory Stick Shown

DESCRIPTION	PART #
i-Dat MARK2 USB Unit with U3 Memory Stick	EA6200
U3 Memory Stick	EA6201
MEMORY UPGRADES FOR ALL IQDATA & IQPROX LINES	**PART #**
512 Users/2208 Event Audit Trail	U3
864 Users/3124 Event Audit Trail	U4
1504 Users/2520 Event Audit Trail	U5
3008 Users/1180 Event Audit Trail	U6
Additional upgrades available, consult factory.	

STANDARD FEATURES

I-DAT MARK2 USB UNIT

- **NO SOFTWARE TO INSTALL! All information resides on the U3 Memory Stick**
- No administration rights needed on PC to use software
- High security infrared data transmission
- 4 line LCD display shows:
  - *Lock ID / Lock serial number*
  - *Battery status of lockset on download*
  - *Number of events uploaded & downloaded*
- Built-in menus
- Faster communications
- USB enabled
- Power requirements: 9V battery (included)

SYSTEM

- Works on Windows XP 2000 *(service pack 4)* & Windows Vista with an available USB Port
- New software modeled after Windows Explorer:
  - *Minimal learning curve*
  - *Drag and drop capability*
  - *Fully portable; No software to install on PC*
  - *Two step password for added security*
  - *Unlimited time zones*
- Easy to read audit trail

***LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

175 BIO SERIES

BIOMETRIC FINGERPRINT READER WITH CYLINDRICAL LEVERSET

175 BIO SERIES

Marks new 175 BIO is a hi-tech fingerprint recognition system that eliminates the risk of replication or unauthorized use. This unit is combined with the Marks Grade 2 Cylindrical Leverset and is available in a 26D Satin Chrome finish. Power is supplied to the Fingerprint Reader and Leverset via four "AA" batteries. The 175 BIO unit comes standard for 100 users, and has a 4000★ event audit trail.

NEW

175 Cylindrical Leverset Shown with Biometric Fingerprint Reader

MARKS #	LOCKSET TYPE	# OF USERS	AUDIT TRAIL EVENTS	FINISH GROUPS
175BIO	Biometric Fingerprint Reader with Cylindrical Leverset	100	4000★	**26D Satin Chrome**

STANDARD FEATURES

175 CYLINDRICAL LEVERSET

- American style lever standard
- Grade 2 cylindrical lock body
- 1-5/8" - 1-7/8" standard door thickness
- Latch: Grade 2, 2-3/4" backset, 1/2" throw
- 3 Hour UL fire rating
- Strike plate: 4-7/8" ASA strike, Grade 2
- Survivor featuring the "Clutch" system which helps to prevent lever droop
- Shipped non-handed
- Key Override: Marks "C" Keyway, 6 pin w/2keys, IC Core optional. Also Accepts Best®, Falcon, Medeco®, KeyMark™, Schlage®, Corbin & KSP.

BIOMETRIC FINGERPRINT READER

- 100 User codes standard
- 4 "AA" Batteries; 1 Year - low battery warnings
- Search Time: Less than one second
- Reader Type: Optical
- Resolution: 500dpi
- <0.1% FRR (**F**alse **R**ejection **R**ate) • 0.001% FAR (**F**alse **A**cceptance **R**ate)
- Live fingerprint detection
- Weather resistance outside for -4°F to 122°F; Meets IPX4 Standard
- Reader Installation required 4 thru-bolts and one 1" hole for cables
- Outside reader housing powder coated aluminum, 1-1/2" H x 4-7/8" L x 2-1/8" W
- Inside housing ABS plastic powder coated finish
- 6 Digit keypad used for enrolling/deleting users at the door
- Software (CD included with lockset) connects your BIO lock to your computer for additional programming of your locks and viewing of audit trail via USB cable. Software runs on Windows Vista, 2000 XP..

✳ **Standard & HI-SECURITY™ IC Core Models:** Interchangeable Core models for 6 or 7 pin cores (not included).
Accepts: Marks, Marks HI-SECURITY™, Medeco®, KeyMark™, Falcon, Schlage® small format & Best®.
IC Core Tailpieces ARE Included.

Biometric Fingerprint Reader Unit comes with BHMA Certified, Lifetime Mechanical Warrantied Leverset and a 2 Year Electronic Warranty

174 BIO Optical Fingerprint Enroller

173 BIO USB Cable

INCLUDED

***LIFETIME MECHANICAL WARRANTY; 2 YEAR ELECTRONIC WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

SERIES 220 - DOOR CLOSERS

GRADE 1 BARRIER-FREE & DELAYED-ACTION CONTRACTOR QUALITY® DOOR CLOSERS

10 Year Warranty

Standard Features
Performance Specifications
• Smooth rack and pinion action
• Non-corroding, durable housing
• Separate adjustable speed controls for latching and closing
• Needle bearings to ensure smooth operation
• All-temperature hydraulics are not affected by severe temperature swings
• Non-handed, for right or left hand door opening applications
• Delayed Action Closer & Combined Units allow a closing speed to a maximum of 8 minutes, 50 seconds, with a minimum of 20 seconds. Closing speed is adjusted with the power adjusting nut.
• Grade 1 closer is complete with parallel arm bracket, and full plastic cover
• Finish: Aluminum, Duranodic (other finishes consult factory)
• 220 series Barrier Free closers cover kits are available in brass and polished chrome finish.

MARKS #	DESCRIPTION	FINISH
HEAVY DUTY		
MC220BF	Barrier Free	**Aluminum / Duranodic**
MC220ADA	Delayed Action ADA	
MC220BFADA	Barrier Free and Delayed Action ADA	
MC220SP	Spring Power Adj	

SERIES 225 - TRI-PACK DOOR CLOSERS

ALL-IN-ONE DELUXE DOOR CLOSER PACKAGES

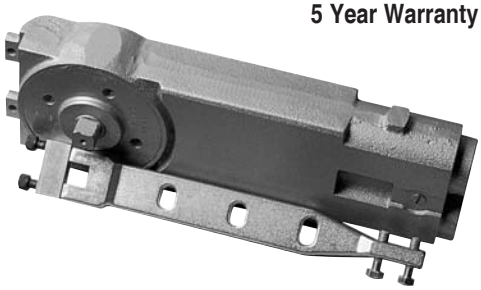
Standard Features
Performance Specifications
• Features 2 speed controls for closing and latching.
• Non-handed and using the same template as many other national brands.
• Rack and pinion action door closer with all temperature hydraulics in an aluminum housing.
• Separate controls adjust, at any time, both closing and latching speeds.
• A fully adjustable model with back check is available.
• Guarantees trouble free operation of each closer for 10 years.
• UL tested, and listed for use on hollow metal fire rated doors.
• Exterior housing is made of high tensile strength aluminum.
• Finish: Aluminum, Duranodic (other finishes consult factory)
• Fits even extra heavy doors.
• Available with cover.

10 Year Warranty

MARKS #	DESCRIPTION	FINISH
HEAVY DUTY		
MC225TP	Tri-Pack	**Aluminum / Duranodic**
MC225TPBC	Tri-Pack w/ Back Check	
MC225HO	Hold Open Arm	
EXTRA HEAVY DUTY		
MC225XDBC	XD w/ Back Check	

SERIES 300 - OVERHEAD CONCEALED DOOR CLOSERS

CONTRACTOR QUALITY® DOOR CLOSERS



5 Year Warranty

Standard Features
Performance Specifications
• UL Listed
• Dual valves sweep and latching speeds are easily adjusted
• Center hung fits into a standard 4-inch header
• Center pivoted for single and double action doors provides positive "centering"
• Fully adjustable radial ball bearing pivots for floor and threshold mounting
• Temperature sensitive hydraulic fluid delivers consistent closure speed all the time
• Available in 90° or 105° positive backstops
• ADA compliance available
• Complies with ANSI A156.4
• Light tension, medium and heavy spring tension units to match door sizes and weights
• Finish: Aluminum, Duranodic (other finishes consult factory)

MARKS #	DESCRIPTION	FINISH
DOOR SIZES UNDER 30"		
MC330ABSHO	30" Under 105 Back Stop Hold Open	**Aluminum / Duranodic**
MC330BBSHO	30" Under 90 Back Stop Hold Open	
DOOR SIZES UP TO 40"		
MC341ABSHO	Up to 41" 105 Back Stop Hold Open	
MC341BBSHO	Up to 41" 90 Back Stop Hold Open	
DOOR SIZES UP TO 48"		
MC348ABSHO	Up to 48" 105 Back Stop Hold Open	
MC348BBSHO	Up to 48" 90 Back Stop Hold Open	

SERIES 400 - DOOR CLOSERS

MULTI-SIZE, FULL FEATURE DOOR CLOSER

Standard Features
Performance Specifications
• Cast Iron Body, ANSI A156.4 Grade 1 and ADA Compliant, UL Listed
• ADA Handicap Multi-sized Closers with Adjustable Spring Power for a Range of Sizes, Adjustable After Installation
• ISO 9002 Quality Assurance
• Available in a Choice of Three Arm Types, Heavy Duty Stop Arm with Hold Open, Heavy Duty Arm, or Standard Arm
• Tri-Style Installation: Installs Regular, Parallel Arm or Top Jamb
• Non-handed
• Adjustable Sweep and Latch Speeds: Separate Valves to Adjust Each
• Adjustable Backcheck: Standard
• Adjustable Delayed Action Closing Option Available
• Cover: High Impact, Molded Plastic Full Cover
• Power of Closer Can Be Adjusted to Conform to the Requirements of the Americans with Disabilities Act (ADA) and as Outlined in ANSI A 117.1 Specifications for Making Buildings and Facilities Accessible to, and Useable by the Physically Disabled
• Door Opening: Regular Arm 120°, Parallel Arm 180° and Top Jamb 120°
• Finish: Aluminum, Duranodic (other finishes consult factory)

25 Year Warranty

MARKS #	DESCRIPTION	FINISH
MC400PATPC	Power Adjustable Tri-Pak Cast	**Aluminum / Duranodic**

SERIES M9900 - EXIT DEVICE

RIM MOUNT

MARKS #	FUNCTION
M9900	Rim Panic
M9900F	Fire Rated Rim Panic
M9900 - 48	Rim Panic - 48"
M9900F - 48	Fire Rated Rim Panic - 48"

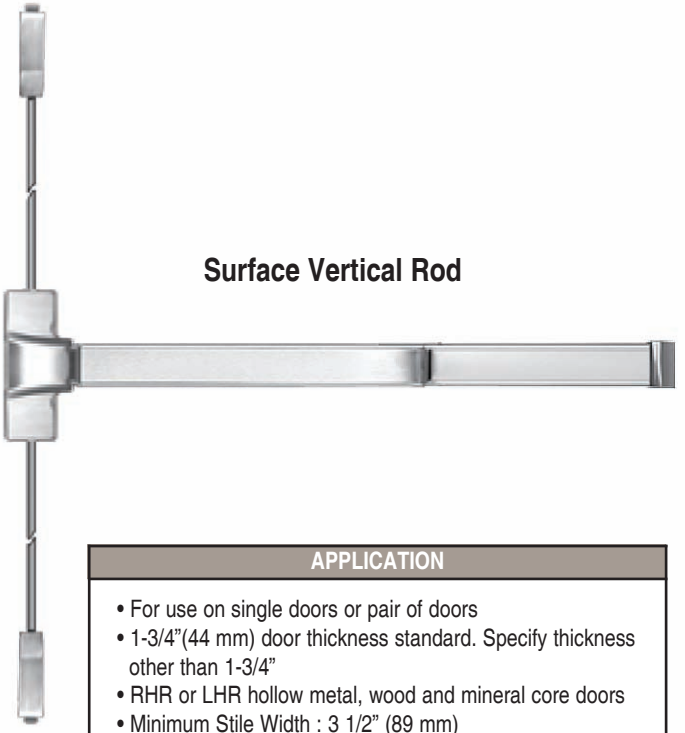
OPTIONS	
M9900	33" LENGTH FOR 36" DOOR
M9900 - 48"	42" LENGTH FOR 48" DOOR

SPECIFICATIONS

- **Doors:** 1-3/4" thick standard.
- **End cover:** Flush mounted beveled "Panic Protector" design.
- **Strike:** Roller strike.
- **Rail Assembly:** Extruded Aluminum, 32D finish.
- **Dead latch Bolt:** Stainless Steel 3/4" throw.
- **Dead latch Bolt:** Stainless Steel 5/8".
- **Dogging feature:** Allen Key (M9900)
- **Ul listed:** For "Panic Hardware" and Fire Rated Model 3 hour fire doors up to 38" x 86".
- **ANSI:** ANSI 156.3 (2001), requirements for Grade 1.
- **3 Hour Fire Rating**
- **Finish:** 32D

• EXTRUSION HEAVY GAGE, 32D FINISH
• PANIC PROTECTOR™ END CAP
• LIFETIME MECHANICAL WARRANTY
• EASY INSTALLATION, ECONOMICAL

SERIES M9900 VR - EXIT DEVICE



Surface Vertical Rod

MARKS #	FUNCTION
M9900 VR	Rim Panic Vertical Rod
M9900F VR	Fire Rated Rim Panic Vertical Rod
M9900 - 48 VR	Rim Panic Vertical Rod - 48"
M9900F - 48 VR	Fire Rated Rim Panic Vertical Rod - 48"

APPLICATION

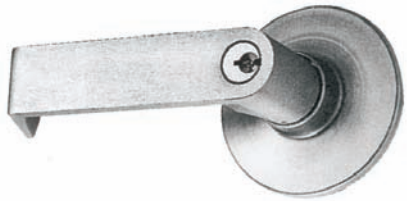
- For use on single doors or pair of doors
- 1-3/4"(44 mm) door thickness standard. Specify thickness other than 1-3/4"
- RHR or LHR hollow metal, wood and mineral core doors
- Minimum Stile Width : 3 1/2" (89 mm)

32D FINISH

SPECIFICATIONS

Device Head Cover: Zinc alloy or stainless steel
Chassis: Steel, plated
Mechanism Housing: Extruded aluminum
Push Bar Base: Extruded aluminum
Touch Plate: Stainless steel
End Cap: Stainless steel
Top Latch: Stainless steel 37/64" (14.8mm)
Top Strike: Included
Bottom Latch: Stainless steel 37/64" (14.8mm)
Bottom Strike: Included
Latch Case Covers: Steel, stainless steel or brass
Vertical Rods: Aluminum tube
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order "SNB" for wood or unreinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D
Outside Trim: Order separately
Standard height: For 7'0" doors
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Rating

SERIES M9900 - EXTERIOR TRIM

M411 Shown Below	Lever/Rose Shown Below
(cylinder not included)	
MESC600 Shown Below	**Cylindrical Dogging**

MARKS #	FUNCTION
M411	Finger Pill - no cylinder
MLHL-650A	Lever / Rose Trim Entry
MLHL680F	Lever / Rose Trim Storeroom
MLHL-600N	Lever / Rose Trim Passage
MLHL-600DT	Lever / Rose Trim Dummy Trim
MESC950AF/32D	Lever / Escuteon Trim Entry/Storeroom
MESC950N/32D	Lever / Escuteon Trim Passage
MESC950DT/32D	Lever / Escuteon Trim Dummy Trim

ENTRY LEVER TRIM

- Standard Marks “C” Keyway KNK cylinder for panic device.
- Cylinder locks or unlocks lever, rigid when locked; when unlocked retracts latch bolt.
- Marks 26D Finish / Standard 1-3/4” Door Thickness
- IC Prep Code G1, Less Cylinder G3

Escutcheon Lever Design

- Thru bolt design
- Non Handed design. Easily field reversible.
- Marks 32D Finish / Standard 1-3/4” Door Thickness
- Standard Marks “C” Keyway 1-1/4 Mortise cylinder with special cam
- IC Prep Code G1
- Less Cylinder G3

CAMS & TAILPIECES

MORTISE CYLINDER CAMS

M9907		MESC600A
M9908		MESC600F
M9909		MESC600A IC CORE HOUSING
M9910		MESC600A IC CORE HOUSING

KNK CYLINDER TAILPIECES

M9903		MLHL650A - CLIP ON
F1903.SCH		MLHL650F - SCREW CAP
M9984		MLHL650A or F - IC CORE 627 PIN

SERIES M9100 - EXIT DEVICE

NARROW RIM MOUNT

APPLICATION

- For use on single doors or pair of doors with mullion
- 1-3/4"(44 mm) door thickness standard. Specify thickness other than 1-3/4".
- RHR or LHR hollow metal, wood and mineral core doors.
- Minimum Stile Width : 4 1/2"(114 mm)

- UL & ULC Listed panic and fire exit hardware
- ANSI/BHMA A156.3-2001 Grade 1 Compliant
- CA Title 19 Complaint
- Meets/Exceeds ADA requirements
- UBC 97, Standard 7.2

- Panic & Fire Exit Hardware
- ANSI/BHMA A156.3 Grade 1
- CA Title 19 Compliant

Patent Pending

SPECIFICATIONS

Head Cover: Zinc alloy or stainless steel
Chassis: Steel, plated
Housing: Extruded aluminum
Push Bar Base: Extruded aluminum
Touch Plate: Stainless steel
End Cap: Zinc alloy
Latch Bolt: Stainless steel, 3/4"(19mm) throw
Latch: Deadlocking, Stainless steel, 5/8"(16mm) throw
Strike: Stainless steel
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order "SNB" for wood or non-reinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D, Additional finishes consult factory
Outside Trims: Order separately
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Exit Hardware.

SERIES M9300 - EXIT DEVICE

MORTISE

APPLICATION

- For use on single doors or active leaf of double doors
- 1-3/4"(44 mm) door thickness standard. Specify thickness other than 1-3/4".
- RHR or LHR hollow metal, wood and mineral core doors.

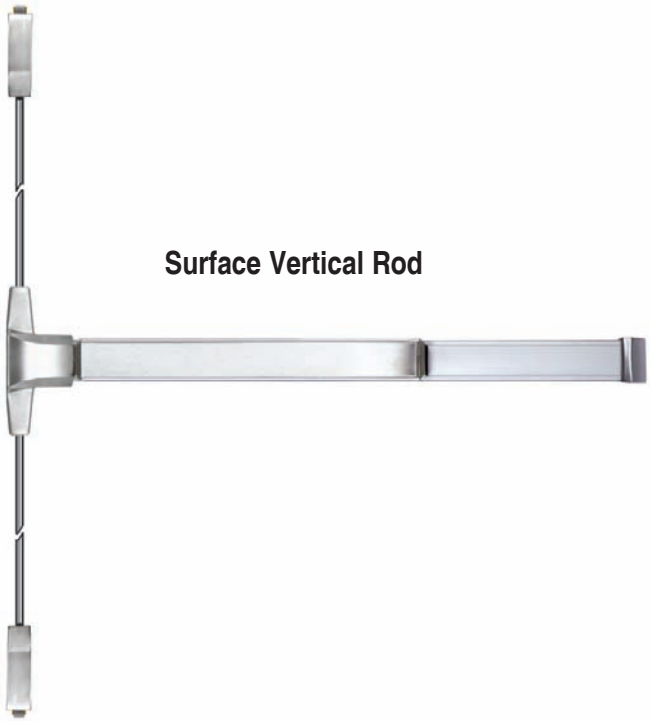
MORTISE LOCK SPECIFICATIONS

Lock Case: Steel plated 6 1/16" x 3 15/16" x 29/32" (154mm x 100mm x 23mm)
Anti-friction Latchbolt: 3/4"(19mm) throw
Hand: Reversible without removing the lock from the door
Auxiliary Deadlocking Bolt: Non-handed, stainless steel
Faceplate: Adjustable, 19/32" stainless steel or brass.
Strike: ANSI 4 7/8"

DEVICE SPECIFICATIONS

Device Head Cover: Zinc alloy or stainless steel
Chassis: Steel, plated
Housing: Extruded aluminum
Push Bar Base: Extruded aluminum
Touch Plate: Stainless steel
End Cap: Zinc alloy
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order "SNB" for wood or nonreinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D, Additional finishes consult factory
Outside Trims: Order separately
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Exit Hardware.

SERIES M9200 EXIT DEVICE



Surface Vertical Rod

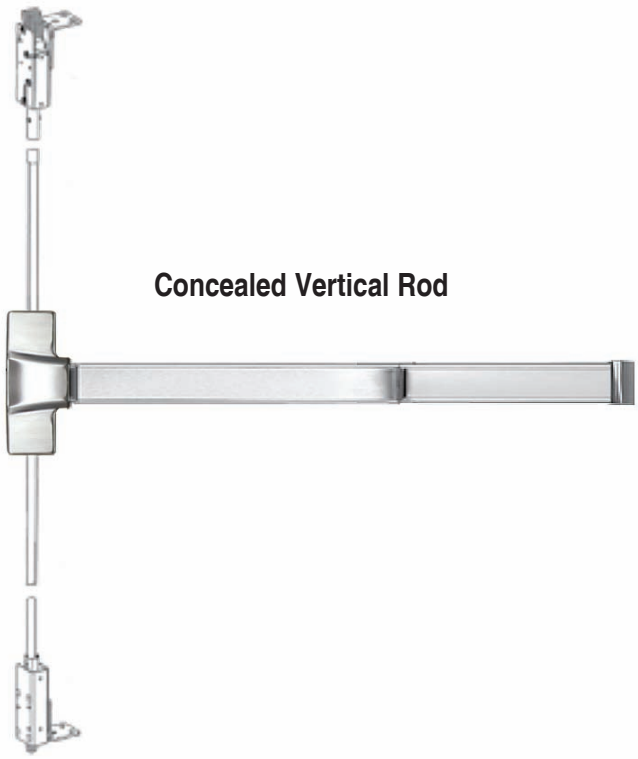
APPLICATION

- For use on single doors or pair of doors
- 1-3/4"(44 mm) door thickness standard. Specify thickness other than 1-3/4"
- RHR or LHR hollow metal, wood and mineral core doors
- Minimum Stile Width : 3 1/2" (89 mm)

SPECIFICATIONS

Device Head Cover: Zinc alloy or stainless steel
Chassis: Steel, plated
Mechanism Housing: Extruded aluminum
Push Bar Base: Extruded aluminum
Touch Plate: Stainless steel
End Cap: Stainless steel
Top Latch: Stainless steel 37/64" (14.8mm)
Top Strike: Included
Bottom Latch: Stainless steel 37/64" (14.8mm)
Bottom Strike: Included
Latch Case Covers: Steel, stainless steel or brass
Vertical Rods: Aluminum tube
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order "SNB" for wood or unreinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D, Additional finishes consult factory
Outside Trim: Order separately
Standard height: For 7'0" doors
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Exit Hardware

SERIES M9800 EXIT DEVICE



Concealed Vertical Rod

APPLICATION

- For use on single doors or pair of doors
- 1-3/4"(44 mm) door thickness standard. Specify thickness other than 1-3/4"
- RHR or LHR hollow metal doors
- Minimum Stile Width : 3 1/2"(89 mm)

SPECIFICATIONS

Head Cover: Stainless steel
Chassis: Steel, plated
Housing: Extruded aluminum
Base: Extruded Aluminum
Touch Plate: Stainless steel
End Cap: Zinc alloy
Top Latch: Stainless steel 37/64" (14.8mm)
Top Strike: Included
Bottom Latch: Stainless steel 37/64" (14.8mm)
Bottom Strike: Included
Top & bottom Latch Case: Steel, plated
Vertical Rods: Aluminum tube
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order "SNB" for wood or unreinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D, Additional finishes consult factory
Outside Trim: Order separately.
Standard height: For 7'0" doors
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Exit Hardware

Electric Latch Retraction

with simultaneous dogging

Rim Mount, Vertical Rod & Mortise

US LISTED ADA

NARROW VERSION AVAILABLE

ER Electric Latch Retraction
with simultaneous dogging
For: M9100, M9900, M9900VR, M9300
Example: M9900/32D-**ER**
Operation: Momentary or maintained latch bolt and push pad retraction.
Automatic re-triggering of latch retraction
Voltage: 24VDC @ 450 mA activation, 180 mA continuous
602RF 1 Amp power supply (1 EMC max)
632RF 2 Amp power supply (2 EMC max)
EMC 2-station sequencer required for automatic doors only.
Monitoring Available Latch status and REX output available

MARKS #	DESCRIPTION
HEAVY DUTY	
M9900ER	Electric Latch Retraction
M9900ERP	Electric Latch Retraction w 602 Power Supply
M9100ER	Electric Latch Retraction
M9100ERP	Electric Latch Retraction w 602 Power Supply
M9100VRER	Electric Latch Retraction
M9100VRERP	Electric Latch Retraction w 602 Power Supply
M9200ER	Electric Latch Retraction
M9200ERP	Electric Latch Retraction w 602 Power Supply
M9300ER	Electric Latch Retraction
M9300ERP	Electric Latch Retraction w 602 Power Supply

Electrified Mortise Exit Devices

Mortise

EM Electric Mortise Exit Device
Example: M9300F/32D-**EM**

US LISTED ADA

- Field reversible failsecure/failsafe.
- Remains latched when unlocked for fire door integrity
- Failsafe (F) fire rated device for stairwell doors
- Power loss or signal from fire command center releases failsafe device immediately

Voltage: 24VDC @ 450 mA activation, 180 mA continuous

Monitoring Available

MARKS #	DESCRIPTION
HEAVY DUTY	
M9300MF	Electrified Mortise Failsafe
M9300MS	Electrified Mortise Failsecure

Exit Alarm

Door sign included, Bar sign optional

Rim Mount, Vertical Rod & Mortise

NARROW VERSION AVAILABLE

EA Exit Alarm, 9V battery powered

EB Exit Alarm, 12-24V AC/DC input, 9V battery backup

For: M9100, M9900, M9900VR

Example: M9900/32D-**EA**

- 100 dB alarm; visual and audible On/Off status: Armed - green LED blinks every 4 seconds, Alarm mode - red LED, Bypass - no LED
- Remote status output
- 15 or 60 second arming delay
- 2 modes: Continuous alarm with manual key reset; Automatic re-arm 2 minutes after door closes with any manual key reset before 2 minutes.

Options: • Push pad sign
- 6, 10 & 20 minutes alarm; 1 or 5 second re-arm delay
- Remote access control, arm, disarm inputs
- REX and latch status outputs

MARKS #	DESCRIPTION
HEAVY DUTY	
M9900EA	Exit Alarm 9VDC
M9900EB	Exit Alarm 9VDC w 12/24 AC/DC Input
M9100EA	Exit Alarm 9VDC
M9100EB	Exit Alarm 9VDC w 12/24 AC/DC Input
M9100VREA	Exit Alarm 9VDC
M9100VRDEB	Exit Alarm 9VDC w 12/24 AC/DC Input
M9200EA	Exit Alarm 9VDC
M9200EB	Exit Alarm 9VDC w 12/24 AC/DC Input
M9300EA	Exit Alarm 9VDC
M9300EB	Exit Alarm 9VDC w 12/24 AC/DC Input

Electric Frame Actuator

EFA Hitower Pro Frame Actuator Controlled Fire Exit Device

Features include failsafe operation and unlocks by access control, power loss or signal from fire command center. Door stays latched even when unlocked. All wiring is maintained in the strike jamb. Complies with national building and fire codes

MARKS #	DESCRIPTION
HEAVY DUTY	
M9900EFA	HiTower Pro Fram Actuator Controller Fire Exit

Specify Handing and Voltage: 24VDC, 24VAC, 115VAC

Monitoring Available

Electric Dogging

Rim Mount, Vertical Rod & Mortise

NARROW VERSION AVAILABLE

DG Electric Dogging (failsecure) M9100, M9900, M9900VR, M9300
Example: M9900/32D-**DG**

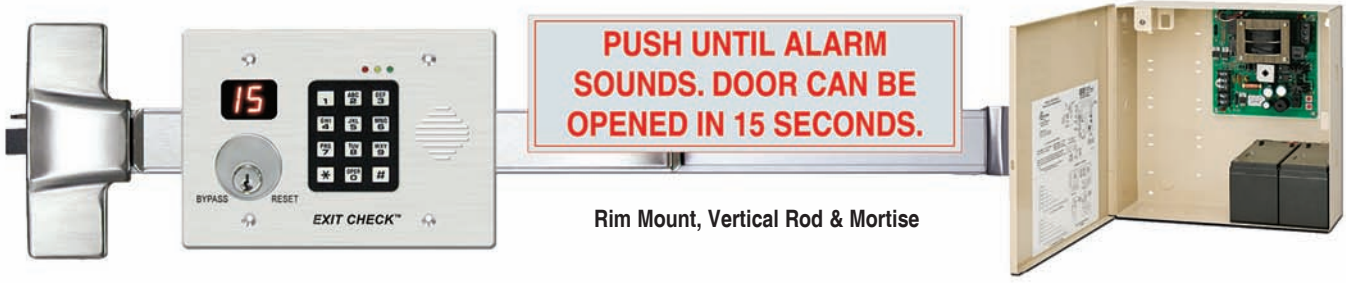
When energized by optional built-in or remote switch manual, depressing the pushpad, causes the pushpad and latch to remain retraced (unlocked) providing push-pull door operation. When de-enegrized or signaled by a fire alarm, the pushpad and latch are released.

Voltage: 170/100 mA @ 12/24VDC

Monitoring Available: Latch status and REX output available

MARKS #	DESCRIPTION
HEAVY DUTY	
M9900DG	Electric Dogging, Fail Secure
M9900DGP	Electric Dogging, Fail Secure w 602 Power Supply
M9100DG	Electric Dogging, Fail Secure
M9100DGP	Electric Dogging, Fail Secure w 602 Power Supply
M9100VRDG	Electric Dogging, Fail Secure
M9100VRDGP	Electric Dogging, Fail Secure w 602 Power Supply
M9200DG	Electric Dogging, Fail Secure
M9200DGP	Electric Dogging, Fail Secure w 602 Power Supply
M9300DG	Electric Dogging, Fail Secure
M9300DGP	Electric Dogging, Fail Secure w 602 Power Supply

Delayed Egress



Rim Mount, Vertical Rod & Mortise

NARROW VERSION AVAILABLE

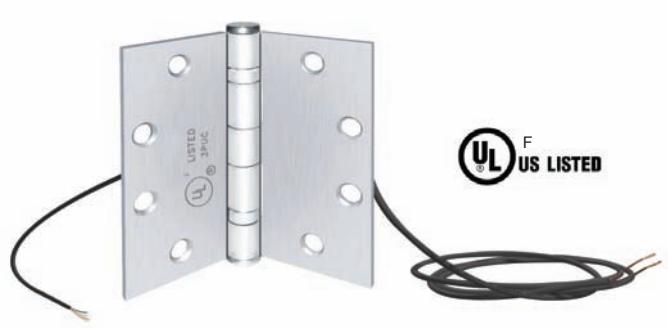
DE Wall mount delayed egress controller with keypad and electrified exit device, M9100, M9900, M9900VR, M9300
Example: M9900F/32D-**DE**
DEK Keypad controller with redundant key switch capable of all keypad control features
602RF 1 Amp power supply

- User PIN codes may be assigned to 1, 2 or all control functions. Reset, sustained bypass and momentary bypass (RES)
- Audible alarm voice release time, warning or safety message
- Visual display countdown, locked/unlocked, egress executed
- 15 or 30 second exit delay, 1 or 2 second nuisance delay 2 minutes

Monitoring Available: Latch status available

MARKS #	DESCRIPTION
HEAVY DUTY	
M9900DE	Delayed Egress
M9900KDE	Delayed Egress w Keyswitch
M9900DEP	Delayed Egress w 602 Power Supply
M9900KDEP	Delayed Egress w Keyswitch W 602 Power Supply
M9900VRDE	Delayed Egress
M9900VRKDE	Delayed Egress w Keyswitch
M9900VRDEP	Delayed Egress w 602 Power Supply
M9900VRKDEP	Delayed Egress w Keyswitch W 602 Power Supply
M9100DE	Delayed Egress
M9100KDE	Delayed Egress w Keyswitch
M9100DEP	Delayed Egress w 602 Power Supply
M9100KDEP	Delayed Egress w Keyswitch W 602 Power Supply
M9200DE	Delayed Egress
M9200KDE	Delayed Egress w Keyswitch
M9200DEP	Delayed Egress w 602 Power Supply
M9200KDEP	Delayed Egress w Keyswitch W 602 Power Supply

Power Transfer Hinge



10B Listed for 3hr Fire Rated Door

FEATURES

- UL10B Listed for 3 Hr Fire Doors. If the hinge you are presently using does not bear the F mark, it is not listed for use with fire doors.
- 500,000 cycles. 5 times UL test criteria
- Wire Replacement Warranty
- 5ft wire cable

APPLICATION

Installed in the center hinge position of the door, PTH Power Transfer Hinges provide the concealed wires required between the door and theframe, for the purpose of powering and monitoring electric door hardware.

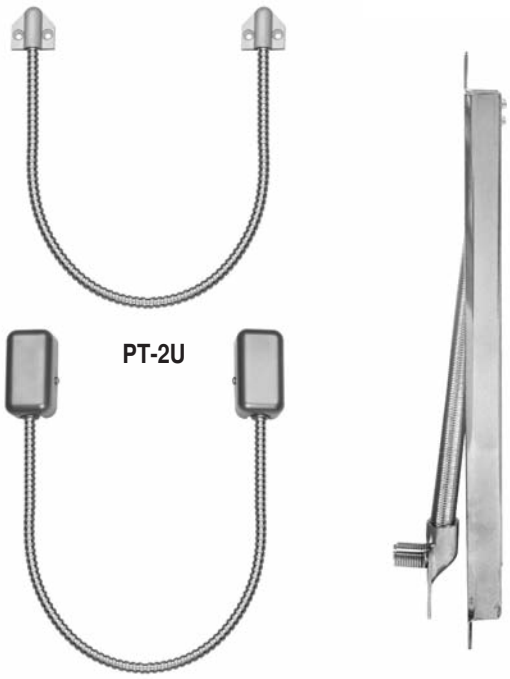
- Electric Lock Power and Control
- Door and Lock Status Signaling
- Request-to-Exit Signaling

PTH-4 Four conductor hinge, 1 Amp @ 12/24V per pair, 4.5" x 4.5" five knuckle standard weight
PTH-10 Ten conductor hinge, 1 Amp @ 12/24V per pair, 4.5" x 4.5" standard weight
Consult factory for 3 knuckle, or special size

Finish
All base material steel
Aluminum, Duranodic, US 3, 10B, 26D & 32D finishes

Options
DPS Concealed Door Position Switch SPDT, 250mA @ 30VDC

Fire Rated Concealed Mortise Power Transfer



PT-2U

PT-3V

FEATURES

PT-5 Concealed Mortise Mount Power Transfer Loop
Frame mortised steel dust box with flexible steel loop and chrome finish. Recommended for use with hollow metal frames. UL Listed

Dimensions: 11.5"H x 1"W x 0.75"D (292 x 25.4 x 19mm)

10B Listed For 3 Hrs Fire Rated Doors

POWER TRANSFER LOOPS

18" (447mm) stainless steel armored flex conduit with small plastic end caps or termination box. Recommended for use with hollow metal and aluminum frames.

PT-2U With end caps
PT-3V With aluminum wire termination box

602 C POWER SUPPLY

Access Control Power Supply and Charger, Selectable 12/24VDC, 1 Amp, Emergency Release Input, Low Battery Disconnect, 12" x 12" x 4" Cabinet, UL, Class 2

Options: Key locked cover; 6 ft power cord; cover or interior mounted on-off switches; manual reset switches; 7 day, skip a day timer; Rechargeable batteries.

Multiple fuse protected outputs: Fuse modules provide protection for 4 or 8 individual circuits.

Dual 12 and 24VDC output capability: 12VDC voltage regulators enable dual 12 and 24VDC output capability for 12 and 24VDC components with one power supply.

Relay and Timer Modules: Relay and timer modules provide interface and control capability for single and multiple stations.

TOUCHLESS EXIT SWITCH

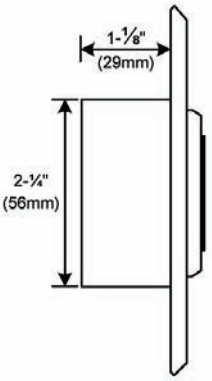
No Touch Wave-To-Exit Switch

For Sanitary Entry/Exit applications

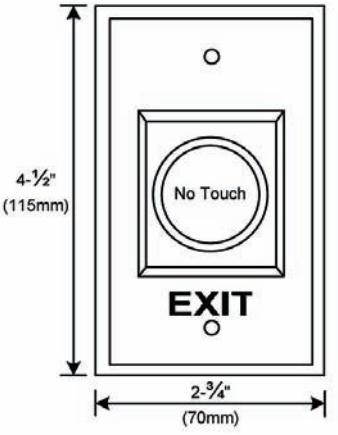
DPDT Dry Contact Output • No Moving Parts • Bi-color Status Illumination

Red: Standby

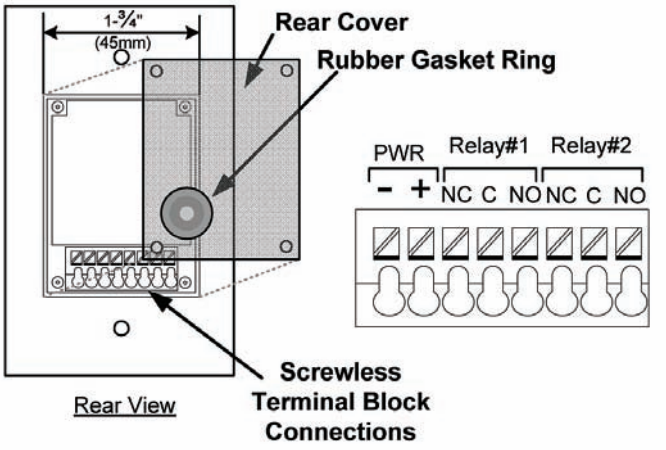
Green: Active



Side View



Front View



Rear View

SPECIFICATIONS	FEATURES & APPLICATIONS
Input: 25mA (standby); 55mA (Active) @ 12/24VDC **Output:** 2-SPDT, 3 Amp Dry Contact **Activation Time:** 1 second or as long as sensor is triggered **LED Color:** Standby RED; Active Green **Range:** 4" (10cm) **Weight:** 3 oz. (85g) **Dimensions:** 4.5" x 2.75" x 1.375" (115 x 70 x 35mm)	• Uses IR Sensor technology; device is active with the simple wave of a hand • Designed to control electric locks/strikes, magnetic locks, or automatic door operators • Ideal for use in sanitary applications such as cleanrooms, bathrooms, food processing, hospitals and labs. • Sensing Range up to 4" (10cm) • Mounted on a durable stainless steel plate • Dual LED, illuminated sensor, Red/Green indicates Inactive/Active status • Quick connect screwless terminal block for easy installation

CONTRACTOR QUALITY® 4 1/2" x 4 1/2" BALL BEARING HINGES

Marks USA ball bearing template butt hinges are made to genuinely close tolerances to fit standard template cutout and screw hole locations in hollow metal doors and metal frames manufactured to conform to a similar template. Hinges also meet applicable ANSI (American National Standards Institute) dimension standards.

Full mortise template hinges fit snugly and trimly in wood or hollow metal doors with pressed metal or wood jambs. Hinges are loose pin, unless otherwise stated, and are fully swaged for smooth operation, and long life. 4 1/2" x 4 1/2" hinges are .134" (more than 1/8") thick for extra strength.

MARKS #	FUNCTION	DESCRIPTION
MB2279 4H	Stainless Steel Ball Bearing	Loose Pin - 4.5” x 4.5”
MB2279 4HN	Stainless Steel Ball Bearing	Fixed Pin - 4.5” x 4.5”
M2279 4H	Stainless Steel Plain Bearing	Loose Pin - 4.5” x 4.5”
M2279 4HN	Stainless Steel Plain Bearing	Fixed Pin - 4.5” x 4.5”
MB1279 PC4H	Ball Bearing Steel	Loose Pin - 4.5” x 4.5” (Prime Coat Gray)
MB1279 PC4HN	Ball Bearing Steel	Fixed Pin - 4.5” x 4.5” (Prime Coat Gray)
MB1279 DC4H	Ball Bearing Steel	Loose Pin - 4.5” x 4.5” (Dull Chrome)
MB1279 DC4HN	Ball Bearing Steel	Fixed Pin - 4.5” x 4.5” (Dull Chrome)

Size of Opening	4.5” x 4.5”
Thickness of Metal	.134”
Number of Screw Holes	8
Machine Screw Size	.5 x 12-24
Wood Screw Size	1.25 x 12
Number in Pairs of Case	24
Number of Machine Screws Bx	24
Number of Wood Screws Bx	12

HI-SECURITY™ CYLINDERS

HI-SECURITY™ CYLINDERS & SECURITY-MATE™ CYLINDERS

WHAT MAKES MARKS HI-SECURITY™ CYLINDERS UNIQUE?

Marks USA patented HI-SECURITY™ cylinders offer a secondary mechanical locking mechanism that creates resistance to bump and picking attacks. In addition, the design supports a corresponding configuration on the key blank called a *"security wave"* (shown below) that supports prevention of unauthorized duplication of keys. The locking principal is adaptable to standard cylinders and large and small format interchangeable cores. Marks USA HI-SECURITY™ keyways and security waves are of proprietary origination. The distribution of key blanks is factory controlled. Multiple keyways and security codes are available. Assignment is by geographic or customer category type. The Marks USA HI-SECURITY™ pick and bump resistance features are designed with added security in mind for cylinders, cores and key blanks. In addition, patents provide legal protection for patent infringement against those who attempt to produce or manufacture key blanks or cylinders. Marks USA will aggressively defend its patent rights!

member BHMA

CYLINDER CONFIGURATION

Marks HI-SECURITY™ cylinders are manufactured of brass bar stock. Cylinders are available in a variety of models. In standard construction, there are 1-1/8", 1-1/4", 1-3/8", 1-1/2", and 1-3/4" mortise cylinders. There are a variety of 1" and 1-1/8" combination mortise/rim cylinders, key-in-knob, large format interchangeable specifically for Medeco®, Schlage® locks and Best® type small format interchangeable core models in 6 and 7 pin lengths. Standard and large format cylinders may be ordered with the UL 437 HI-SECURITY™ option for greater drill resistance, Non-UL with the same pick and bump protection and in Security-Mate™ (A standard pin tumbler only cylinder without HI-SECURITY™ features, but matching the same key blank; shown on page 26). SFIC is currently available in Non-UL model only at this time. There are a variety of keying options available. "Zero-bitted" cylinders are shipped standard with either a factory default security code or are supplied with a specific customer security code. The common pin tumbler section of the cylinder has springs, driver pins and accommodates a key blank cut to zero in all positions.

***LIFETIME MECHANICAL WARRANTY** • FINISHES ARE EXCLUDED FROM THIS WARRANTY*

MARKS SECURITY-MATE™ CYLINDERS

Marks USA Security-Mate™ Cylinders are intended to complement Marks HI-SECURITY™ Cylinder applications. Cylinders may be integrated into a Marks HI-SECURITY™ key system. Driven by dealer and consumer demand for a more economic cylinder solution for interior doors such as closets, where less security is needed but the convenience of carrying a single key is desired, Security-Mate™ is a natural addition to the product line. Security-Mate™ Cylinders are made of quality bar brass with precision tolerances, made in five or six pin configuration and available in Mortise, Mortise-rim Combo and Key-in-Knob cylinder configurations. Only Marks patented HI-SECURITY™ keys will operate the Security-Mate™ Cylinder.

MARKS HI-SECURITY™ CYLINDER

SAME KEYWAY USED IN BOTH CYLINDERS!

MARKS SECURITY-MATE™ CYLINDER

member BHMA

MARKS USA HI-SECURITY™ KEY CONTROL MANAGEMENT PACKAGE

1. ***A Unique Registered, Securely Designed Scalable System:*** A custom security solution is defined after careful consideration of your people, operational and safety requirements. A quality system plan allows for expansion, eliminating obsolescence and costly replacement as much as possible.

2. ***A "Standard" Written Key Control Policy:*** Once you have a registered system, implementation is a critical key to maintaining a secure system. We highly recommend a standard template. We also recommend you issue the *Company Key Control Policy* when you issue new keys to every employee.

3. ***Documented Patented Key Control Technology:*** Patented lock and key technology is assurance your investment will provide the highest rate of return. Patents protect you from unauthorized key duplication by preventing the manufacturing of key blanks.
   BEWARE: "DO NOT DUPLICATE" OR SIMILAR WARNING STAMPED ON A KEY IS SIMPLY NOT ENOUGH PROTECTION!

4. ***Record keeping & Capability of Audit:*** Each registered system cut key must have unique identification stamped on the bow, (numbers, letters or symbols). In your "Key Log", record each key holder with the unique identification number found on the key. Each employee should sign for the key issued with the date noted for the record. Every key is identified as to each cylinder it will operate. This knowledge eliminates risk and when keys are found, it is easy to identify the key holder.

5. ***Process for Retrieving Keys When People Leave the Business:*** Accounting for all the keys in the system eliminates the need and cost to re-key. By having people sign for the key when issued, and sign out upon return of the key, you are able to take inventory of all cut and assigned keys and assess risk…If you can account for all of the keys in the system, you simply re-issue an existing key number to a new user.

LIFETIME MECHANICAL WARRANTY • *FINISHES ARE EXCLUDED FROM THIS WARRANTY*

HI-SECURITY™ CYLINDERS

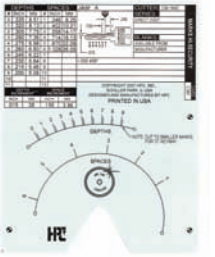
HI-SECURITY™ CYLINDERS & SECURITY-MATE™ CYLINDERS

SERVICE EQUIPMENT

Standard pin kits for standard cylinder construction are used, however Marks USA does make available specialty pins such as mush-room and hardened steel pins to add security. The plug size is the industry standard .050.

Key Depths	Bottom Pins	Spacing
0 = .335	0 = .165	1 = .246
1 = .320	1 = .180	2 = .402
2 = .305	2 = .195	3 = .558
3 = .290	3 = .210	4 = .714
4 = .275	4 = .225	5 = .870
5 = .260	5 = .240	6 = 1.026
6 = .245	6 = .255	
7 = .230	7 = .270	
8 = .215	8 = .285	
9 = .200	9 = .300	

Standard key cutting equipment for either originating a new key by code or duplicating an existing key may be used. An HPC Code Card (HSC387) is available. In addition technical data for cutting keys on ITL, Framon, etc. is also available. Soon a Pro-Lock Blue Punch will be made available. Standard cylinder keys are measured from the shoulder stop. From the shoulder to the center of the first cut the measurement is .246 and .0156 from 1-2, 2-3, 3-4, 4-5, 5-6.



HSC387

These four cylinders will key up with standard pin tumblers

Medeco® Large Format IC Core

Marks Mortise & Mortise/Rim Combo Cylinder

Marks USA Key-In-Knob Cylinder

Schlage® Large Format IC Core

There is a special holding fixture that makes assembly of key-in-knob cylinders easier. Insert plug into the fixture, rotate plug to the "bottoms up" position, then begin inserting security finger pins. Insert pins by color code, sizes 1 through 4, then insert key (note there is not a shear line so pins will appear to be below the plug surface). Security finger pins are "position pins". Insert two springs, and sidebar...if the sidebar depresses allowing rotation of the plug, you are ready to rotate the plug 180° and load the traditional pin tumblers. Driver Pins may include mushroom and or hardened steel designs, however they are not necessary for operation, but enhance attempts to pick and bump.

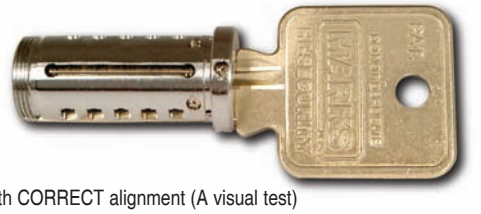
Plug Holder
#2049

Insert pins from bottom of plug

Plug with key, security finger pins and sidebar assembled. Insert loaded plug into the housing. You can either preload the housing using a following tool or remove the individual threaded retainer screws and load the bottom pins, drivers and springs from the top, the final step, inserting and tightening the individual threaded allen-wrench driven retainer screws.

NOTE: Use a 5 Pin key blank for 1" Mortise cylinder and use a 6 Pin key blank for 1-1/8" Mortise cylinder and up.

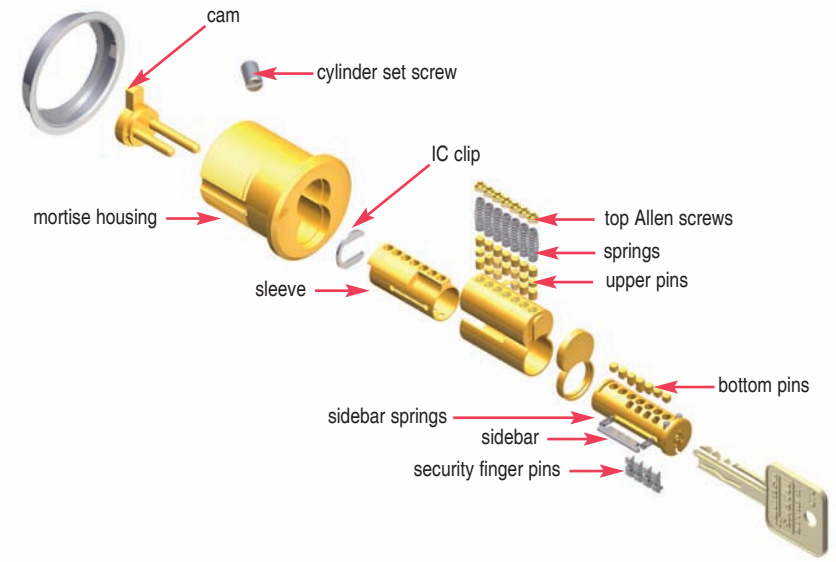
Plug with INCORRECT alignment (A visual test)



Plug with CORRECT alignment (A visual test)

Small Format Interchangeable Core (SFIC)

EXPLODED VIEW Marks USA Small Format Interchangeable Core (SFIC):



The cylinder plug within the SFIC contains four security finger pins. These non-spring loaded security finger pins along with random mushroom top pins make the Marks USA HI-SECURITY™ Cylinder virtually ***pick, drill and bump resistant***.

SIDEBAR & SECURITY FINGER PINS

Sidebar & Security Finger Pin Cautions

SFIC cores are equipped with four security finger pins due to the presence of the sidebar mechanism. Disassembly of the SFIC core is not recommended. If for some reason disassembly must be done, there are several cautions…First, the **Security finger pins will fall out if the key is not inserted**. Second, **the sidebar and springs will fall out if not held in place**. Third, the sidebar can be rotated, like the hands of a clock from right to left, **but do not reverse the sidebar…the sidebar is tapered on one side and flat on the other…if you reverse the sidebar, with flat side out, you lose the core, it locks in place.**

There are two springs that push outwardly against the security sidebar. Once the plug is removed from the shell, use caution as the sidebar and springs are free to fall from the plug. Here are the most important factors to consider if removing the plug from its shell:

1. **The four sidebar security finger pins are held in place ONLY if the key is in the plug.** If the key is removed when the plug has also been removed, the security finger pins will fall out from the bottom of the plug. Replacement and realignment may be done visually.

Security Finger Pin Replacement Procedure

If the security finger pins fall out of the plug, you can reinsert them. Keeping in mind that each pin has a specific location, replace the first security finger pin (your choice) and insert key. Make sure visually that the "open space" is visible in the sidebar area when the key is inserted. If a horizontal bar appears anywhere in the sidebar space, that particular security finger pin belongs in one of the other positions. Remove the key and let the security finger pin fall out the bottom, being ready to catch it. Continue placing that pin in another slot until the security wave of the key matches the security finger pin. Continue this process until the four pins align so the sidebar can be retracted. This should take a minimal amount of time.

2. The sidebar and its two springs will fall out if they are not held in place with the thumb and/or fingers.
3. CAUTION: The sidebar can be rotated (like the hands of a clock) 180° with no adverse effect. **However, it CANNOT be flipped 180°degrees (away from you).** If this is done, when the plug is reassembled, the core will remain in a permanent locked position and the plug cannot be removed. Thus, the core will have to be discarded as it will remain inoperable and can no longer be used. The reason is the tapered end is designed to rotate within the cylinder housing as it adapts to the circular contour. The squared edge that fits securely inside the slot of the security finger pin is not conducive to the same motion!

HI-SECURITY™ CYLINDERS

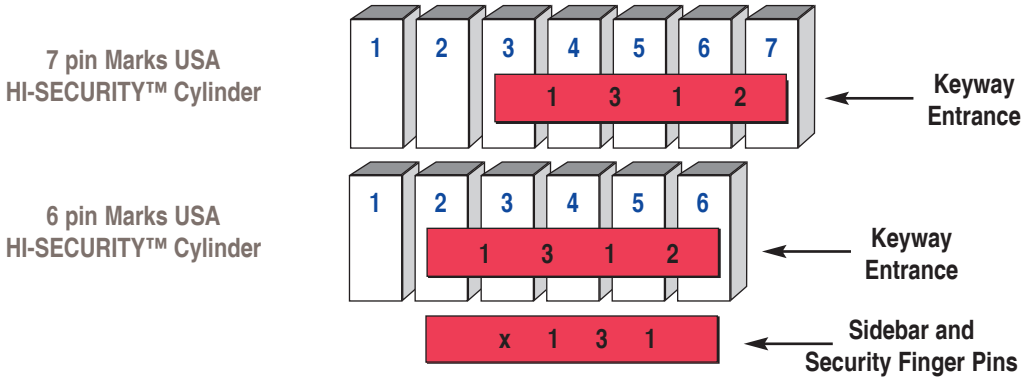
HI-SECURITY™ CYLINDERS & SECURITY-MATE™ CYLINDERS

ANOTHER KEY CONTROL OPTION

The Marks USA HI-SECURITY™ SFIC provides another keying advantage with its sidebar technology. Since a 7 pin key can be used to access both 7 pin and 6 pin cores of the same keyway, an alternative method of key control can be utilized. With minor shifting of the security finger pin arrangement (and discarding the security finger pin to the far right), 6 pin cores can be coordinated to work in conjunction with a 7 pin Marks key. Within a 6 pin core, a 7 pin key, with the example security wave of 1312 can operate the 6 pin core with security finger pin modifications. Because the 7 pin key will not be able to be fully inserted into a 6 pin core (of the same keyway), only the first three security finger pins will be used to operate the core - in this example it is 131. However, the security finger pins must be shifted in order from left to right within the plug to the following pattern: x131 (the x represents an empty security finger pin position).

Key Control Alternative

Using a 7 pin Marks USA HI-SECURITY™ SFIC in a 6 pin Marks USA HI-SECURITY™ SFIC (same keyway)



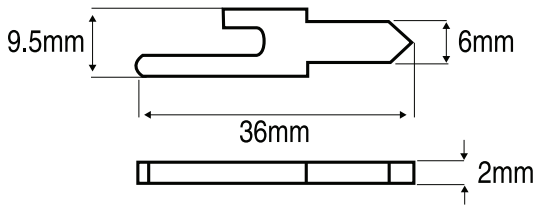
Adjusted security finger pin arrangement in the 6 pin core to allow the 7 pin Marks USA HI-SECURITY™ Key to operate it (same keyway) ***x = Empty Position***

OPERATION & HARDWARE INSTALLATION

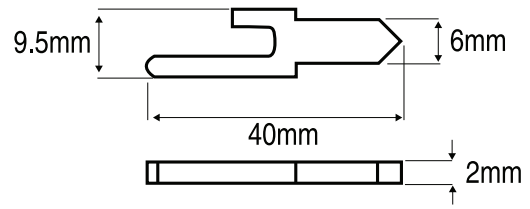
The Marks USA HI-SECURITY™ SFIC operates similarly to that of any standard small format core. Installing the Marks USA HI-SECURITY™ SFIC into existing other manufacturer SFIC hardware, the following two exceptions should be noted:

- When installing the Marks USA HI-SECURITY™ SFIC into an existing mortise housing, the left throw pin must be sheared in order to accommodate the security sidebar. This can be easily accomplished with the *Shear Tool* (# HSICT) available from Marks USA.

Tailpiece For 6-Pin Core



Tailpiece For 7-Pin Core



- When installing the Marks USA HI-SECURITY™ SFIC into a leverset, use the correct Marks tailpiece that matches the pin configuration of the core (6 pin or 7 pin).
- Kits available for HI-SECURITY™ IC Core Tailpieces: HR1984-HS for use with Marks Functions AB, B, DA (ext.), DW, F, FEU & FEL. HR1984S-HS for use with Marks Functions S, DA (int.), DB, DC, SB, T & TS. *(See grid on page 9)*

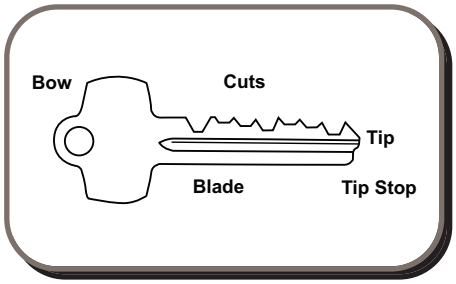
NOTE: One of the two throw pins must be sheared in order to accommodate the security sidebar. See the above illustrations.

COMPATIBILITY

The Marks USA HI-SECURITY™ Core can be used similarly as with any other SFIC with one exception: When using the Marks USA HI-SECURITY™ SFIC core in a pre-existing IC mortise housing, ***one of the two throw pins must be sheared in order to accommodate the security sidebar.*** This is the throw pin that aligns with the security sidebar. The Shear Tool can easily accomplish this task. It has been carefully designed to remove a small piece of the throw pin so that the core will fit properly into its mortise housing. This tool can be utilized when installing a 6 or 7 pin Marks USA HI-SECURITY™ core into its respective housing. The shear tool is quick and easy to use. Insert the brass "figure 8" drill guide into the cylinder housing cavity, tighten the allen head screw to secure one leg of the throw member to eliminate chattering, then insert drill cut through to stop. Loosen allen screw and remove. Insert SFIC.

KEY BLANK OVERVIEW

Key Blank Orientation: It is generally accepted that SFIC key blanks are originated and gauged from the tip stop. This is true with Marks HI-SECURITY™!



Originating/Duplicating Marks USA HI-SECURITY™ Keys: Keys can be originated on standard key code cutting equipment. In addition, keys can be duplicated on any standard key duplicating machine. There exists an HPC card for those using HPC code card machines. The DSD for the HPC Blue Shark can be entered manually, using the Shoulder Stop reference. Since the security waves are factory controlled, the top bitting is all that is necessary to duplicate or originate keys.

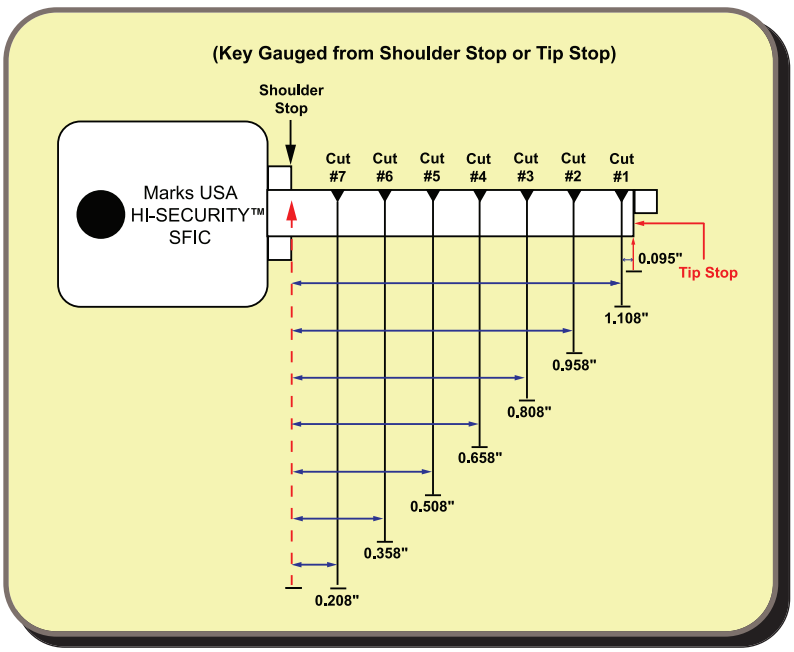
Ordering Key Blanks: Distribution of key blanks is carefully managed by authorized distributors. Within the standard product line, Marks USA HI-SECURITY™ technology offers over 900 Security Wave configurations for each keyway. Participating HI-SECURITY™ Wholesale Distributors have access to a common national security wave as well as several unique Dealer or End User based security waves. Any locksmith or institution that meets required quantities may purchase an exclusive *Security Wave*.

Key System Management:
A blank signature card with a random number is provided with each cylinder and may be used to file systems, identify authorized signatures and system registry for future use.

Key Blanks Lengths:
There is one key blank available for the Marks USA HI-SECURITY™ SFIC to accommodate both 6 and 7 pin cores. One note, the Marks USA HI-SECURITY™ key blank has shoulders on the tip stop key. (shown right)

KEY SPECIFICATIONS

Marks USA HI-SECURITY™ SFIC Key Spacing & Depth Specifications



Cut Depth	Bottom Pin Length	Code
.3187	.1100	0
.3062	.1225	1
.2937	.1350	2
.2812	.1475	3
.2687	.1600	4
.2562	.1725	5
.2437	.1850	6
.2312	.1975	7
.2187	.2100	8
.2062	.2225	9

A2 Pin Increment	=	.0125"
Pin Stack Total	=	.397"
Coded Stack Length	=	23
Spacing of Cuts	=	.150"
Root of Cut	=	.054"
Angle of Cut	=	90°
Pin Diameter	=	.108"

PIN SPECIFICATIONS for the Marks USA HI-SECURITY™ SFIC

PIN SPECIFICATIONS:

Most SFIC systems follow the A2 System of pin depths created by BEST® Lock Company. It is by far the most common. The A4 System of pin depths is used especially when large numbers of key combinations are required. The A2 and A4 Systems are listed here. When ordering combinated Marks USA HI-SECURITY™ cores from the factory, the A2 System is standard, and is the factory default when no pin increment system is specified.

A2 SFIC Pin Specification Chart

Two-Step Master Keying System - .0125" Increments

Key Depth	Bottom Pin Length	Coded Number
.3187	.1100	0
.3062	.1225	1
.2937	.1350	2
.2812	.1475	3
.2687	.1600	4
.2562	.1725	5
.2437	.1850	6
.2312	.1975	7
.2187	.2100	8
.2062	.2225	9

Wafer Pin Length	Coded Number
.0250	2
.0375	3
.0500	4
.0625	5
.0750	6
.0875	7
.1000	8
.1125	9
.1250	10
.1375	11
.1500	12
.1625	13
.1750	14
.1875	15
.2000	16
.2125	17
.2250	18
.2375	19

Pin Stack Total: = .397 **Decoding:** Subtract; 13 minus Code of Top Pin

Coded Stack Length: 23 **Multiplier:** Top Pin Length x 80 = Coded Length (rounded)

Cut: TIP to BOW **Root of Cut:** .054 **Angle of Cut:** 90° **Pin Diameter:** .108

Spacing (TIP to BOW from center of cut): From Tip Stop, each cut:

#1 = .088 #2 = .238 #3 = .388 #4 = .538 #5 = .688 #6 = .838 #7 = .988

A4 SFIC Pin Specification Chart

One-Step Master Keying System - .021" Increments

Key Depth	Bottom Pin Length	Coded Number
.318	.110	0
.297	.131	1
.276	.152	2
.255	.173	3
.234	.194	4
.213	.215	5

Wafer Pin Length	Coded Number
.021	1
.042	2
.063	3
.084	4
.105	5
.126	6
.147	7
.168	8
.189	9
.210	10
.231	11

Pin Stack Total: = .404 **Decoding:** Subtract; 8 minus Code of Top Pin

Coded Stack Length: 14 **Multiplier:** Top Pin Length x 48 = Coded Length (rounded)

Cut: TIP to BOW **Root of Cut:** .054 **Angle of Cut:** 90° **Pin Diameter:** .108

Spacing (TIP to BOW from center of cut): From Tip Stop, each cut:

#1 = .088 #2 = .238 #3 = .388 #4 = .538 #5 = .688 #6 = .838 #7 = .988

COMBINATING & CAPPING PROCEDURES

Combinating (Pinning) the Marks USA HI-SECURITY™ SFIC is no different than other small format cores. It is assumed that you have the bitting lists and pin segments for each chamber of every core. If you do not, you must secure this information or construct a system via mathematical calculations, slide charts, computer software or another appropriate source.

The basic combinating procedure is as follows:

1. Use your Ejector Pin (or Downie Pin) and line up the shear lines in the empty core. Keep the aligning tool in place in the last chamber.
2. Insert the Bottom Pin in Chamber #1 after placing core loading block or on suitable device.
3. Insert the Master Pin or Control Pin next, depending on the keying structure. If the next pin is a small wafer, hold the core in your hand and tilt slightly to the side, watching the pin as it is placed so that it does not fall into the hole and turn sideways.
4. Insert the Top Pin.
5. Check that each pin has fallen to its lowest level in the chamber and is situated flat. Use Ejector tool to push down to even out the stack.
6. It is recommended you test each core with all keys or with finger atop chambers with springs inserted.
7. Place core into holder and secure each individual chamber with allen screws as seen in the image below.

HI-SECURITY™ CYLINDERS

HI-SECURITY™ CYLINDERS & SECURITY-MATE™ CYLINDERS

MARKS USA HI-SECURITY™ CAMS & TAILPIECES

MORTISE CYLINDER CAMS		
PART #		DESCRIPTION
	2101HS	Straight Cam
	2102HS	Clover Cam
	2103HS	G - Cam
	2104HS	Adams Rite Cam
	2105HS	J - Cam

Schlage® LARGE FORMAT IC CORE HOUSING CAMS		
PART #		DESCRIPTION
	R2101-C	Straight Cam
	R2102-C	Clover Cam
	R2103-C	G - Cam
	R2104-C	Adams Rite Cam
	R2105-C	J - Cam

CYLINDRICAL TAIL PIECES		
PART #		FUNCTIONS
	F1903-C	AB, B, DA (ext.), DW, F, FEU & FEL
	F1903S-C	S, DA (int.), DB, DC, SB, T, TS

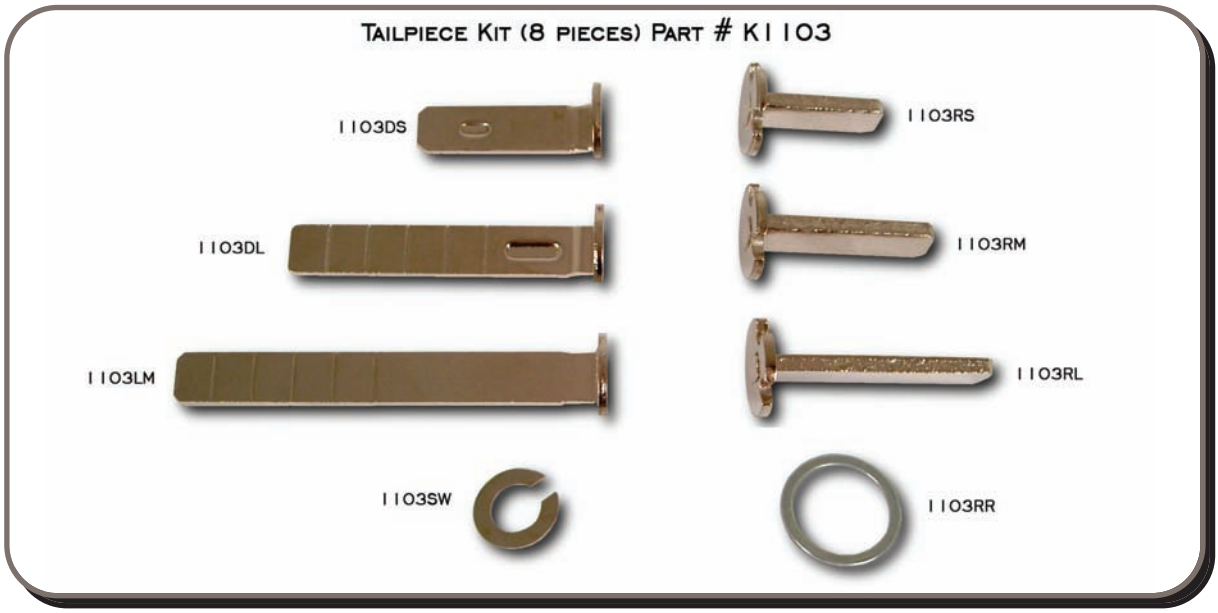
CYLINDRICAL IC CORE TAIL PIECES		
PART #		FUNCTIONS
	HR1984-HS	AB, B, DA (ext.), DW, F, FEU, FEL
	HR1984S-HS	S, DA (int.), DB, DC, SB, T, TS

MARKS USA HI-SECURITY™ RETRO-FIT Key-In-Knob Tailpieces

The Marks USA HI-SECURITY™ Key-In-Knob Cylinder is assembled with the standard Marks tailpiece F1903-C as seen in the below photo.

MARKS USA HI-SECURITY™ RETRO-FIT Key-In-Knob Tailpieces (cont'd.)

The NEW Marks USA HI-SECURITY™ RETRO-FIT Key-In-Knob Tailpiece Kit # K1103 is used with Marks USA HI-SECURITY™ Key-In-Knob Cylinders, thus enabling retrofit to a variety of key-in-knob or deadbolt lock cylinders using the screw cap retainer. The spacer creates appropriate space for replacement tailpieces to fit securely and operate smoothly when the cylinder is fully assembled.



Tailpieces used with the Marks USA HI-SECURITY™ Key-In-Knob Cylinders for key-in-knob or key-in-lever locksets include the F1903-C for Marks AB, B, DA (ext.), DW, F, FEU & FEL functions; The F1903S-C for Marks S, DA (int.), DB, DC, SB, T & TS functions.

The three new tailpieces (shown right) retrofit a variety of other locksets. Spacer 1360-F19 is included as well providing for smooth operation and secure fastening when accommodating replacement tailpieces.

Marks USA original tailpieces (shown left) for use with the 10, 70, 80 & 95 Lines are constructed as a single piece, unlike many replacements that are two pieces.

MARKS USA

AMITYVILLE, N.Y. 11701

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