



ADAMS RITE
MANUFACTURING CO.

Company Name: Adams Rite Mfg. Co.

COMMODITY GROUP

<u>Door Hardware</u>	☒
	☐
	☐
	☐
	☐

Posted:

Linedex Cd the 25 February 1977
By Date

Commodity Card Cd the 25 February 1977
By Date

File by 2-25-77

RECEIVED
FEB 25 1977
ZIA CATALOG LIBRARY
locking

INDEX

NOTE: This catalog uses a gap-number system for pages.
"Missing" numbers are reserved for future use.

SECTION SW—HARDWARE FOR DOORS THAT SWING SECTION SL—HARDWARE FOR DOORS THAT SLIDE

ADAMS RITE PRODUCT NO.	DESCRIPTION	CATALOG SECTION & PAGE	PRICE LIST PAGE
1000 SERIES	Turns, for inside of sliding door	SL-9	6
1010	Turn, limited access for windows in climate-controlled buildings	SL-10A	6
MS1837	Deadlock, 2-point for wood door	SW-37	3
MS1848 SERIES	Deadlocks, latches, sliding door	SL-7	6
MS1850 SERIES	Deadlocks, large face for replacement use	SW-5	2
MS1850A SERIES	Deadlocks, swinging door, pivoted bolt	SW-1	2
MS1851A-2Pt	Deadlock, with mid-stile and threshold bolts	SW-9	3
MS1851A-3Pt	Deadlock, with mid-stile, threshold and header bolts	SW-11	3
MS1850A-505	Deadlock, commercial sliding door	SL-1	6
SCH1850A	Deadlock, schoolhouse (not lockable from inside)	SW-1	2
MS1850ANSI SERIES	Deadlock, per American National Standards spec.	SW-3	2
MS1850ANSI-505	Deadlock, sliding door per ANSI spec.	SL-3	6
SCH1850ANSI	Deadlock, schoolhouse, per ANSI spec.	SW-3	2
MS1860	Deadlock, ultra-narrow stile, two point	SW-19	3
MS1861	Deadlock, bottom rail, one or two point	SW-21	3
MS1870 SERIES	Flushbolt, cylinder-operated	SW-23	3
1875	Deadlock, horizontal two point, rolling or overhead units	SW-39	3
MS1880	Flushbolt, two-point, turn-operated with indicator	SW-17	2
1885	Header stop, to convert double acting door	SW-18A	2
MS+1890 SERIES	Latch/Lock, combined, with key override	SW-2A	2
2331	Deadlock, sliding door, 1 3/4" backset	SL-5	6
4000	Trim strike plate only, for M.S.® pivot-bolt locks	SW-7	3
4001	Strike with dust box, M.S.® pivot-bolt locks	SW-7	3
MS4002	Strike, armored, for M.S.® pivot-bolt locks	SW-7	3
4004	Lock, sliding door, inside operation only	SL-29	7
4015	Threshold bolt (second point for M.S.® lock)	SW-10	3
4024	Cylinder Pull, sliding door	SL-11	6
4025	Cylinder Pull, sliding door	SL-11	6
4035	Deadlock, sliding door, inside surface pull mounted	SL-25	7
4036	Cylinder, standard mortise type	SW-97	5
MS4043	Cylinder Guard	SW-13	3
4066	Thumbturn, standard mortise cylinder type	SW-97	5
4070 SERIES	Deadlock, swinging door, horizontal bolt throw	SW-25	3
4075	Installation Tool for lock mounting bridges	SW-99	5
4085	Header bolt (third point for M.S.® locks)	SW-12	3
4089	Exit Indicator ("Locked/Open")	SW-15	3
4090	Latch, sliding window bottom rail	SL-31	7
4160	Latch handle, replacement, Aluminum lever	SW-34A	4
4170	Trim Strike for 4070 Deadlock	SW-26	3
4189	Lockset, flush, sliding door (incl. MS1848)	SL-21	6
4190	Lockset, flush, with cylinder outside (incl. MS1848)	SL-21	6
4195	Dummy Lockset, flush	SL-21	6
4413	Pull, for 4189 and 4190 flush locksets	SL-21	6
4418A	Lock installation kit	SW-99	5
4430	Lockset flush, plastic trim (incl. MS1848)	SL-23	6
4431	Lockset flush, plastic trim, with cylinder (incl. MS1848)	SL-23	6
4432	Dummy Lockset, flush	SL-23	6
4435	Lock mounting flange	SW-100	5

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

Continued →

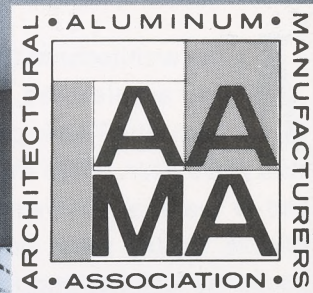
020570 R 19/13

INDEX

continued

SECTION SW—HARDWARE FOR DOORS THAT SWING SECTION SL—HARDWARE FOR DOORS THAT SLIDE

ADAMS RITE PRODUCT NO.	DESCRIPTION	CATALOG SECTION & PAGE	PRICE LIST PAGE
4501	Latch strike	SW-31	4
4502	Latch strike	SW-31	4
4510 SERIES	Deadlatches, fit MS1850A cutout	SW-27	4
4520ANSI SERIES	Deadlatches, per American National Standards spec.	SW-29	4
4530 SERIES	Deadlatches, replacement, fit MS1850 cutout	SW-28A	4
4560	Latch handle, Aluminum lever	SW-33	4
4561	Latch handle, Black Delrin® lever	SW-33	4
4565	Latch handle, Turn	SW-33	4
4580	Cam plug, handle-to-latch	SW-33	4
4590	Latch "paddle" operator	SW-32A	4
4800 SERIES	Strikes, sliding door, for MS1848 Series	SL-13	6
4803	Strike, sliding door, for 4035	SL-14A	7
MS4804	Strike, jamb reinforcing, for MS1848	SL-14A	6
4805	Trimplate, wood sliding door, for MS1848	SL-13	6
4806	Strike, sliding door, for 4035	SL-14A	6
4808	Strike, wood jamb, for 5015	SL-8A	6
5015	Deadlock, wood sliding door	SL-8A	6
5100 SERIES	Locksets, sliding door (including MS1848)	SL-15	7
5125	Cylinder kit for 5100 locksets	SL-15	7
5300 SERIES	Locksets, sliding door (including MS1848)	SL-19	7
5325	Cylinder kit for 5300 locksets	SL-19	7
6100 SERIES	Locksets, sliding door (including 4035)	SL-27	7
6125	Cylinder kit for 6100 locksets	SL-27	7
7500	Electric strike for AR latches, Aluminum jamb	SW-35	5
7501	Electric strike for AR latches, Aluminum radius stile	SW-35	5
7510	Electric strike for AR latches, to replace 002	SW-36C	5
7520ANSI	Electric strike for AR latches, ANSI spec.	SW-36A	5
7530	Electric strike for AR latches, Aluminum jamb	SW-36E	5
7531	Electric strike for AR latches, Aluminum radius stile	SW-36E	5
7540	Electric strike for key-in-knob latches, Aluminum jamb	SW-36G	5
7540ANSI	Electric strike for key-in-knob latches, ANSI spec.	SW-36G	5
7550	Electric strike for key-in-knob latches, Wood jamb	SW-36G	5
7560	Electric strike for mortise latches, Aluminum jamb	SW-361	5
7560ANSI	Electric strike for mortise latches, ANSI spec.	SW-361	5
7570	Electric strike for mortise latches, Wood jamb	SW-361	5
Cylinder make and cam data		SW-98	
Dimension equivalents (fraction, decimal, metric)		SW-102	
Lock mounting methods		SW-100	
Material/finish standards (U.S. × B.H.M.A.)		SW-102	
Ritecoat colors (to match U.S. std. or "Hardcolor")		SW-101	



**IF IT'S
DIFFERENT
IT HAD BETTER
BE RIGHT!**

The pages of this catalog describe hardware that is unlike any other hardware in the world. Why is it different? Just to be different? A sales gimmick?

The following two pages tell how and why one Adams Rite product, the M.S.[®] deadlock, differs from other locks. Read them and judge for yourself if the difference is worthwhile. The M.S. lock represents the kind of logical, honest and different approach to hardware Adams Rite Manufacturing Company stands for.

You can be sure every other product in this catalog is the result of the same approach.

© 1967, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749



**MAXIMUM
SECURITY
LOCK**



**CONVENTIONAL
LOCK**

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

As the architectural trend to more and more glass has accelerated, so have the problems of security. This is particularly true of the narrow stile glass door. When the aluminum shrank in width and in material thickness, it naturally became more flexible. At the same time, of course, the space to house the lock has become smaller. To retract a long bolt in the conventional horizontal manner is impossible. There is simply no place for it to go.

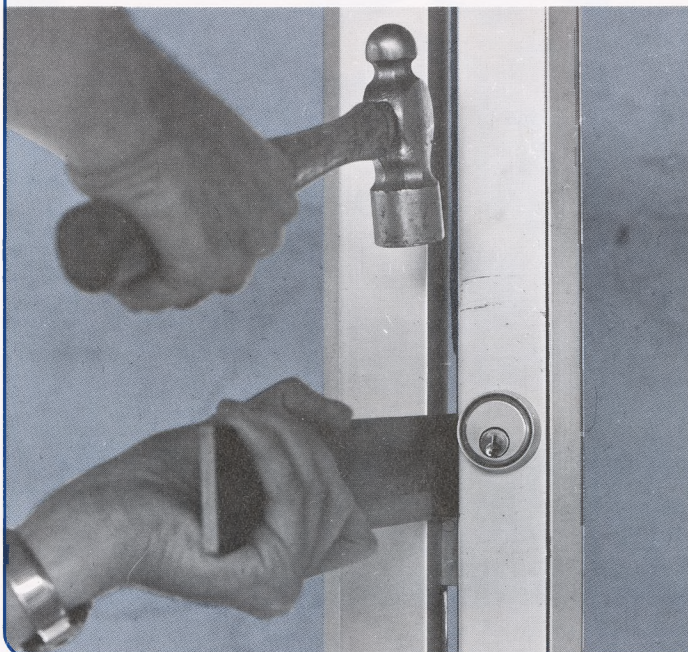
CONVENTIONAL LOCKBOLT

installed in aluminum frame of glass door has only $\frac{1}{2}$ " to $\frac{5}{8}$ " throw with effective penetration of strike as little as $\frac{1}{4}$ ". The door is easily sprung open with only a couple of screwdrivers.

Thus burglars are presented with a highly "attractive" situation—a flexible door that is easily pried away from its jamb and a short lockbolt that is supposed to bar it, but doesn't.

The security problem was new. It called for a new approach.

The first thoughts on this problem were to add on to the conventional bolt. Cam or gear-operated dogs or hooks were tried. Telescoping bolts were made as were expanding or collet type ones. Some of these were secure enough in theory. Most were too fragile because of the space problem in accomplishing their complicated mechanical operations within the $1\frac{3}{4}$ " aluminum tube stile. All suffered from over-complexity and problems of lubrication and maintenance.



The real answer was beautifully simple: PIVOT the bolt. This not only solved the problem of storing the bolt but also allowed the bolt to be in two places at the same time—that is, its forward throw could be the entire depth of the jamb channel while its other end pivoted down to fill the entire depth of the door stile.

The first and obvious question—"If the bolt pivots UP, can't you knock it down?" The answer: "NO." As the bolt pivots, its heat-treated steel operating arm goes past its vertical centerline, and rests several degrees overcenter in the locked condition. An examination of the lock mechanism will quickly show why vertical impact will not affect the bolt position.

All right, then. How about a hacksaw? The massive M.S.[®] bolt is laminated steel—5 plies of high impact-

HAMMER AND BAR

are effectively resisted because the massive three-inch M.S.[®] bolt operates on the over-center principle. Pounding down on the bolt only locks it tighter.

resisting steel. Nested within the center ply is an alumina-ceramic core. This defeats attacks by hacksaws (even so-called super hacksaws).

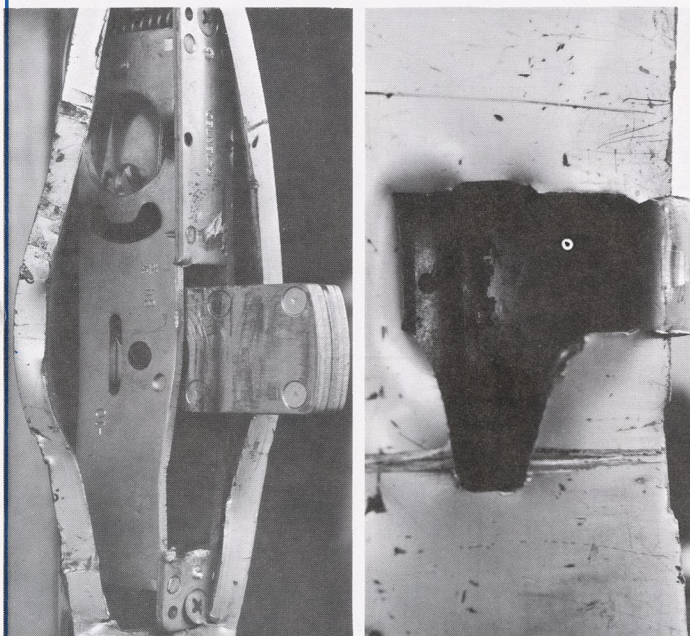
So the M.S. bolt, with its patented method of operation and its use of proper materials effectively resists forced entry by prying, hammering or sawing.

ALUMINA-CERAMIC CORE

concealed in center core of 5-ply laminated steel
bolt turns away hacksaw blades (even tungsten-carbide rods) to discourage this old burglary technique.

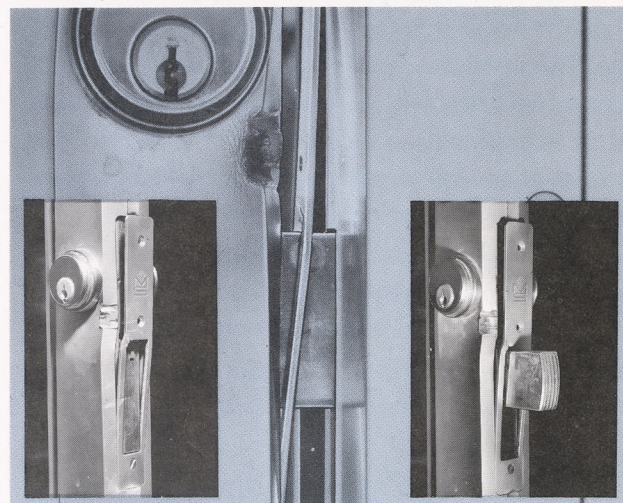
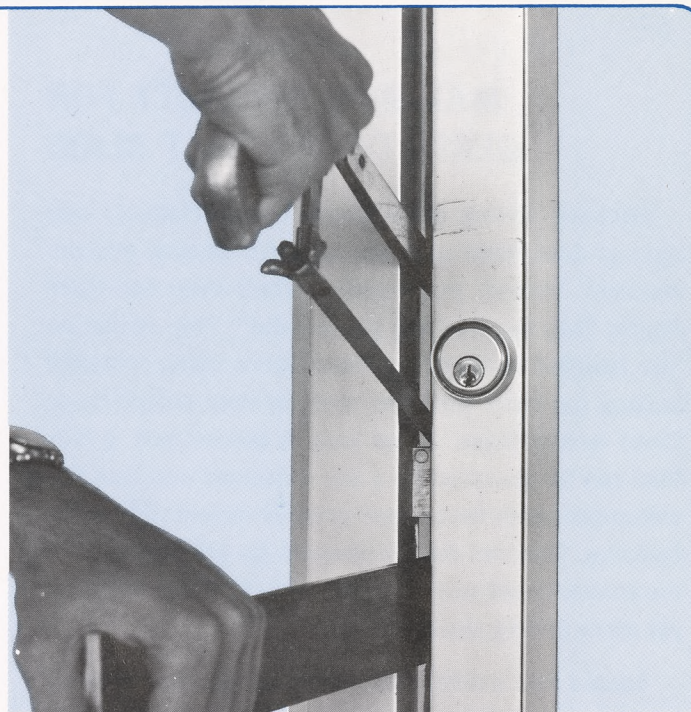
It is a perfect example of Adams Rite's approach to security hardware design.

Below are shown the results of two burglary attempts against the M.S. lock.



FORCED ENTRY

Burglars succeeded in this break-in at a Beaver Falls, Pennsylvania autoparts store. They did not, however, "defeat" the M.S.® lock, which held firm. They tore the door down around it. Had the lock been backed up by an MS4043 cylinder guard and an MS 4002 armored strike, it is probable that even these circumventing tactics would have failed. However, it is a good illustration of what Adams Rite means by the phrase "maximum security" applied to a lock. It means the greatest possible security in the type of construction for which it is designed... the lock exceeds the security of the door or other elements of the entrance. Thus, even a very compact MS1848 sliding door lock can meet the definition as well as the huskiest commercial door lock. M. S. hardware satisfies or exceeds all applicable federal and local codes.



FORCED ENTRY FOILED

Burglars attempted to force entry through nine store front doors in a Phoenix, Arizona shopping center, but failed in each try because doors were guarded by Adams Rite Maximum Security Locks, which made forced entry impossible without complete destruction of the stile or jamb.

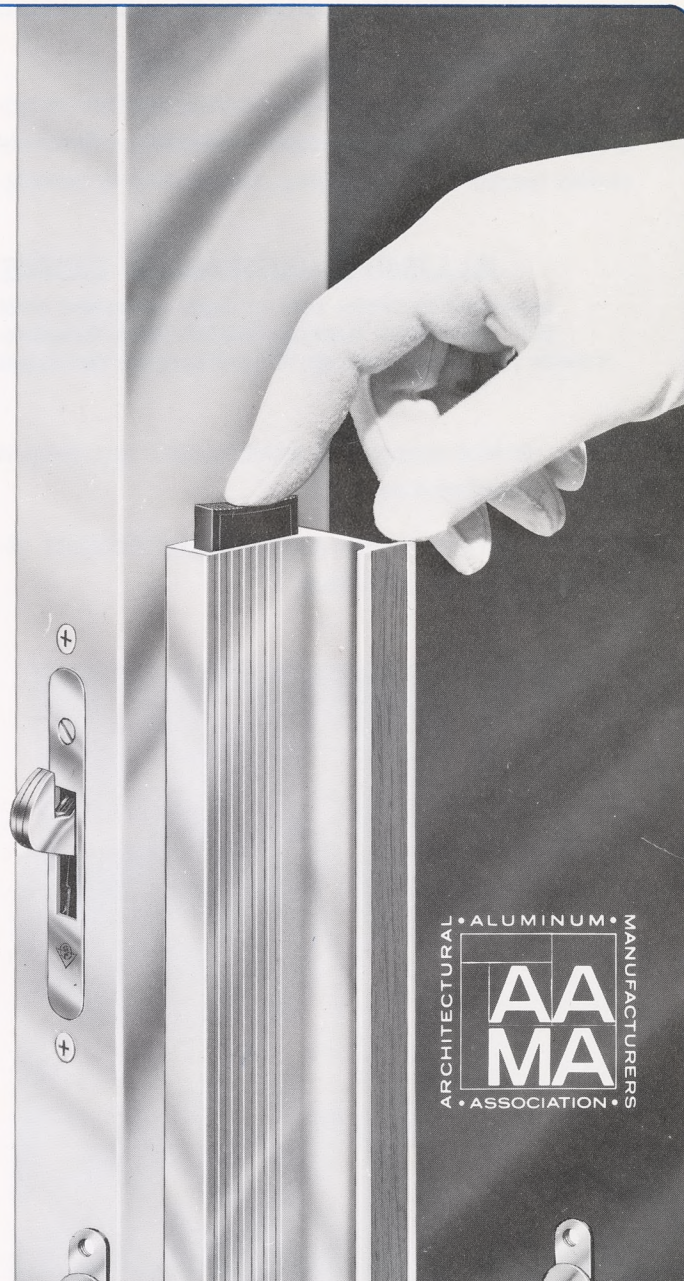
These stores were saved from burglary because of the unique design of the M.S.® deadlock. Unlike conventional lockbolts that vacate the lock when projected, the M.S.® features a counterbalanced bolt with as much of the bolt retained within the lock stile as is projected. Thus a laminated bar of steel, nearly 3 inches long, bridges the opening between the stile and the jamb. The M.S.® bolt cannot be forced out of the lock stile and burglars have found it impractical to cut through it.

Large photo shows door stile twisted by attempted burglary with M.S.® deadlock still holding. Smaller photos reveal M.S.® deadlock in thrown and retracted position, still operative.

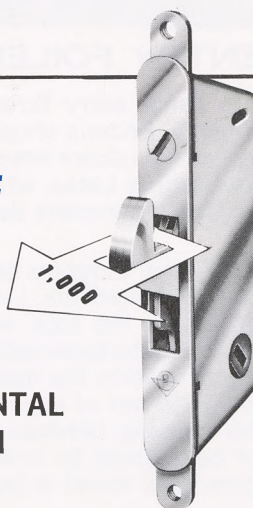
MAXIMUM SECURITY FOR GLASS DOORS THAT SLIDE

Because sliding glass doors are a relatively new type of door, their use has spawned several misconceptions. Indeed, many people don't even call them doors. They say "sliding glass walls." This confusion has resulted in some of these doors being installed lacking the basic elements that any door should have. Chief among these: a real lock. A secure lock, a lock that can be operated by a key if desired and that key compatible with the system of other locks in the same building. One can hardly imagine an exterior door of the conventional swinging type without these features, yet many sliding doors lack them.

Adams Rite insists that the convenience and security of a real lock are required on every exterior door, no matter whether it hinges, pivots, slides, rolls, folds or lifts. The 1848 deadlock shown here is designed to fit within the extremely narrow stile of sliding glass doors. It is only half an inch thick, yet it passed the three tests of an independent testing laboratory whose results are summarized below. It can be operated by a bored-lock type cylinder "insert" of any major make to be keyed-in with other types of doors throughout a building. It has a stainless steel bolt, adjustable for "reach." It is as strong or stronger than the stiles into which it fits. It is maximum security.



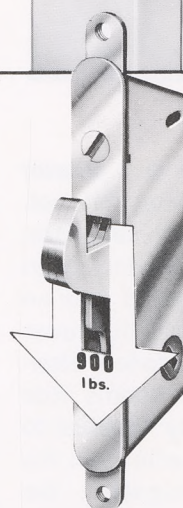
TEST 1:



HORIZONTAL LOAD ON BOLT

A force of 1,000 pounds was applied in the direction shown (the direction of force involved in the field when a forced entry is attempted by prying the door from the jamb). After withstanding this load for five minutes, the lock showed no damage or change in function.

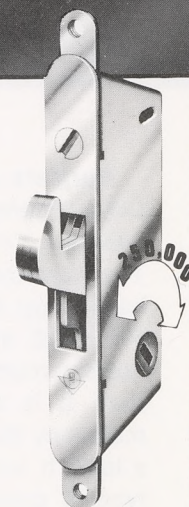
TEST 2:



VERTICAL LOAD ON BOLT

A force of 900 pounds downward (simulating an attempt to lift the door off its track) was maintained for five minutes. Examination again revealed no damage to the lock or change in its function.

TEST 3:



LIFE CYCLE TEST

The 1848 was subjected to 250,000 complete lock/unlock cycles of operation (approximately 18 years' normal service). No adverse wear or change in the smooth operation of the lock could be found.

ARCHITECTURAL • ALUMINUM •
**AA
MA**
• ASSOCIATION • MANUFACTURERS



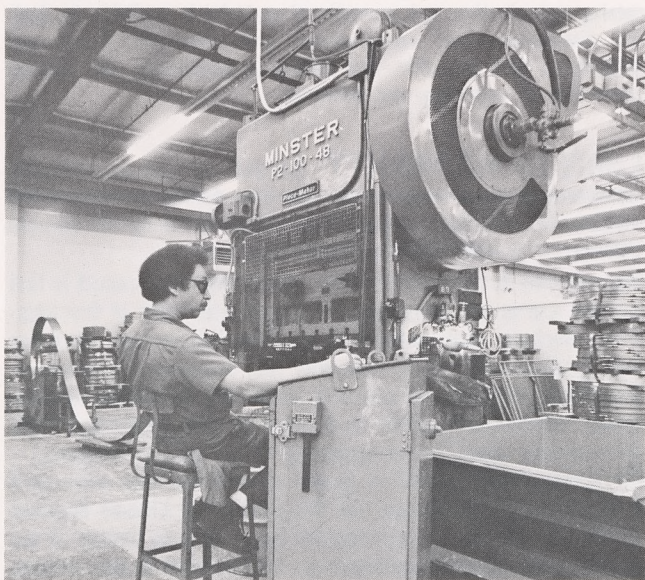
ADAMS RITE MANUFACTURING CO.

All narrow stile hardware, from stamping of raw steel to final polishing and assembly, is produced in this modern plant at 4040 South Capitol Avenue, City of Industry, California. Corporate offices are located in Glendale at 540 West Chevy Chase Drive which is also the location of Adams Rite Products, Inc., where hardware and controls used on some 90 percent of all military and civilian transport airplanes are manufactured.

Adams Rite has a long heritage of supplying quality hardware items of unique design. Over one-half century of hardware know-how is represented in this catalog.

FIRST CLASS PRODUCTION IN MASS QUANTITIES:

When products are mass-manufactured, some producers



tend towards cutting corners to achieve lowered costs. When the product is locks, this is a dangerous compromise.

Adams Rite is constantly investing in improved manufacturing facilities and processes for greater efficiency and true cost savings, but without loss of quality, function or performance. Our long established policy is to constantly seek ways and means of providing increasing quality at competitive prices—a policy tested in over 60 years of hardware leadership. Over these years modern machinery

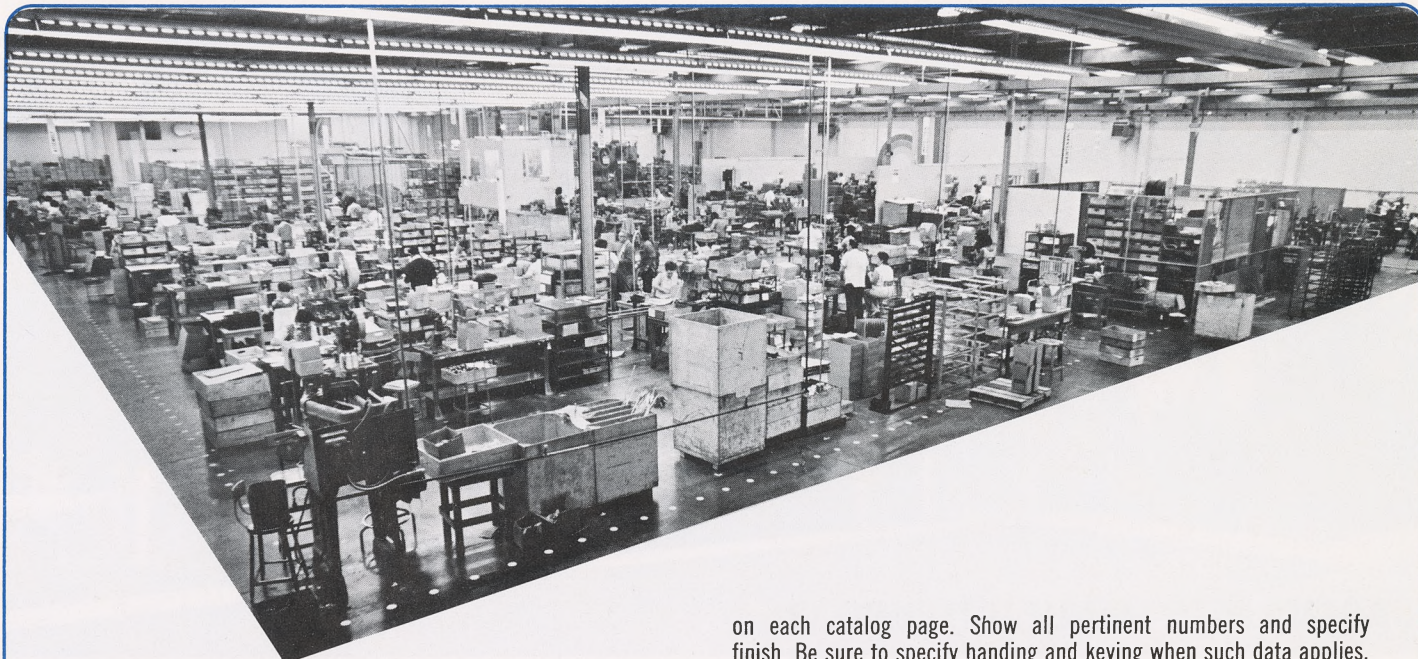
The Architectural Products Division was the first organization to produce hardware specifically for narrow stile glass doors. Today, over four-fifths of the locks and latches installed in these doors carry the Adams Rite trademark. Through membership and an active participation in AAMA, the Architectural Aluminum Manufacturers Association; BHMA, Builders Hardware Manufacturers Association and ALOA, Associated Locksmiths of America, Adams Rite has contributed to the growth and improvement of the metal and glass door industry from its very beginning.

has replaced the personal handcrafting, but one thing hasn't changed — each lock still is produced under the same quality obligation and commitment.

ENGINEERING: Over 60 years experience in builders hardware, yet Adams Rite is still the unquestioned leader in hardware



design for narrow stile doors. That is the seeming paradox that Adams Rite designers have accomplished. Aware of the valuable traditions of lockmaking, but not bound by them, these men are dedicated to the principle of functional simplicity that is the heart of good engineering. "Now why didn't somebody think of that before" is the accolade their designs most often receive. This same know-how and fresh thinking is available to users of Adams Rite products in developing special hardware items or modifications to suit special applications.



QUALITY CONTROL: Quality of product is the result of good engineering and manufacturing. Quality just doesn't happen, it must be planned, monitored and above all, sincerely wanted in the first place. We at Adams Rite, with our background of manufacturing to aircraft-level reliability standards, know how to produce quality products. We work at it constantly and support our effort with all the modern techniques available. Our dedication results in products that can honestly claim the M.S.® trademark of Maximum Security.

MATERIALS: Adams Rite Architectural Hardware is made of materials proven in application. Durability, strength and function are the criteria used in selection. Brass, bronze, steel, aluminum, stainless steel, hi-impact plastics and other emerging materials are used. We constantly are studying new materials and new applications of existing materials. Our objective is to improve product quality and function.

FINISHES: Most modern narrow stile structures are aluminum material which dictates the aluminum finishes on Adams Rite Architectural Hardware. This standard stock finish of either BHMA 628 (US28) satin aluminum, anodized, or Ritecoat 130 is listed with each product. The requirements of design and materials used precludes unlimited finish options. We recommend your careful review of catalog data on each product and inquiry, if necessary, relative to non-stock finishes.

CLAIMS: All merchandise is shipped F.O.B. our factory and we cannot accept responsibility for claims resulting from damage or loss in transit. Such claims should be filed promptly with the delivering carrier. Claims for adjustments arising from other than transportation should be submitted promptly with supporting data.

RETURNED GOODS: Credit or replacement will be allowed on merchandise which our inspection clearly indicates to be defective in materials or workmanship or which were shipped in error. Authorization to return merchandise must be obtained from our factory. Transportation charges on all returned goods must be prepaid by the shipper.

HOW TO ORDER: Complete identification of each item can be made by numbers, letters and dimensions given in the details

on each catalog page. Show all pertinent numbers and specify finish. Be sure to specify handing and keying when such data applies. Adequate descriptions insure prompt shipment of your exact needs.

DISTRIBUTION: The specialized nature of Adams Rite Architectural Hardware for modern narrow stile doors calls for varied methods of distribution to satisfy the needs of all. Our products are available through established jobbers, contract hardware distributors, locksmith supply houses and through leading door manufacturers. Overseas markets are being served through an expanding dealer organization.

ADVERTISING: Adams Rite Architectural products are backed by regular advertising in architectural, glass and locksmith publications. We are also supporting this effort with additional promotional activities of a significant nature. Illustrations suitable for catalog reproduction and promotional material is available to dealers, distributors, door manufacturers and locksmiths. Direct mail material is also available. Our efforts in advertising and product promotion are consistent and extensive.

LIMITED WARRANTY: We warrant that all products manufactured and sold by us are free from defects in material and workmanship and that products of our design are fit for the purpose intended by us when properly installed and used.

This warranty is for a period of 18 months after the product is first put into use or not more than 24 months after date of first shipment, whichever shall expire first, provided that written notice has been given us within thirty days after first discovery of any defects. (On certain products, the warranty period may be subject to negotiation; extended warranties, as a result of such negotiation, must be in writing signed by an authorized Officer of this Company.) The extent of our liability for breach of such warranty, when such is shown to our satisfaction, and the product has become impaired for the use for which it was intended by us, shall be limited, at our option, to the price charged by us for such product or part thereof, or to the replacement or repair of such product or part thereof, F.O.B. our factory.

THE FOREGOING WARRANTY IS EXCLUSIVE, IS IN LIEU OF, AND BUYER HEREBY WAIVES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS.

HARDWARE FOR DOORS THAT SWING **SW**



© 1969, 1974 by

ADAMS RITE
MANUFACTURING COMPANY



ARCHITECTURAL PRODUCTS
4040 SOUTH CAPITOL AVENUE
CITY OF INDUSTRY, CALIF. 91744

DEADLOCK SERIES MS1850A

BHMA TYPE E8211

CYLINDER BACKSET

$\frac{7}{8}$ "", $\frac{3}{4}$ "", $1\frac{1}{8}$ " and $1\frac{1}{2}$ " only.
(Measured from centerline of faceplate to centerline of cylinders.)

CASE

$1" \times 5\frac{1}{8}" \times$ depth. (Case depth varies with backset. See table next page.)

Cylinders not furnished but available.

OPERATION

360° turn of key (or thumbturn) throws or retracts the counter-balanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard $1\frac{1}{2}"$ mortise cylinder or thumbturn (with M.S. cam) from either or both sides.

BOLT

$\frac{5}{8}" \times 1\frac{3}{8}" \times 2\frac{7}{8}"$ with $1\frac{3}{8}"$ throw. Five ply laminated steel. Center ply has Alumina-Ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws.

STRIKE

See reverse of this page for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike and armored strike also available. (For strikes, see catalog numbers 4000, 4001 and MS4002.)

FUNCTION:

A huge bolt of laminated steel, nearly three inches long and actuated by an uncomplicated pivot mechanism, has made this basic M.S.® deadlock the standard of the narrow stile door industry. The length of this bolt provides maximum security for any single leaf door, even a very tall (and flexible) one or an installation where the gap between door and jamb is greater than it should be.

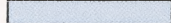
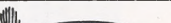
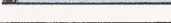
OPTIONS:

Specify Faceplate shape and Cylinder backset. For jambs too narrow to accept the long bolt, the MS1850A-505 offers a shorter bolt with hook shape to provide equal security against door-prying attempts. (See catalog page SL-1). 1850A-500 short throw without hook also available. Second and third point locking bolts are available for pairs of doors. (See pages SW-9 and SW-11.) All use any make standard mortise cylinder and thus can be keyed into systems with other types of doors. "SCHOOLHOUSE" version, also available, is modified so that operation from inside is "unlock only." (This lock handed and must be specified LH or RH. Specify Series SCH 1850A.) Same faceplate and backset options as Series MS1850A. Operation from inside, with standard Adams Rite 4066 turn seen on page SW-97.

ARMOR FACEPLATE

$1" \times 6\frac{7}{8}"$ *FINISH: 628 (US28)
Satin Aluminum.

Specify FACE SHAPE by last digit in catalog number:

FLAT: MS1850A	
RADIUS: MS1851A	
RADIUS WITH WEATHERSTRIP: MS1851AW	
L.H. BEVEL: MS1852A(LH)	
R.H. BEVEL: MS1852A(RH)	

PATENTED

MS1851A
(ACTUAL SIZE)

STANDARD PACKAGE

Individually boxed with machine screws for mounting and metal template for adapting any cylinder cam to the M.S. cam shape. Cylinders and/or thumbturn available at extra cost. Shipping weight: $1\frac{1}{2}$ lbs. Also available in a 25 unit pack for volume users.

© 1967, 1970, 1973, 1974, 1975 by

*Consult factory about special finishes.

ADAMS RITE
MANUFACTURING CO.



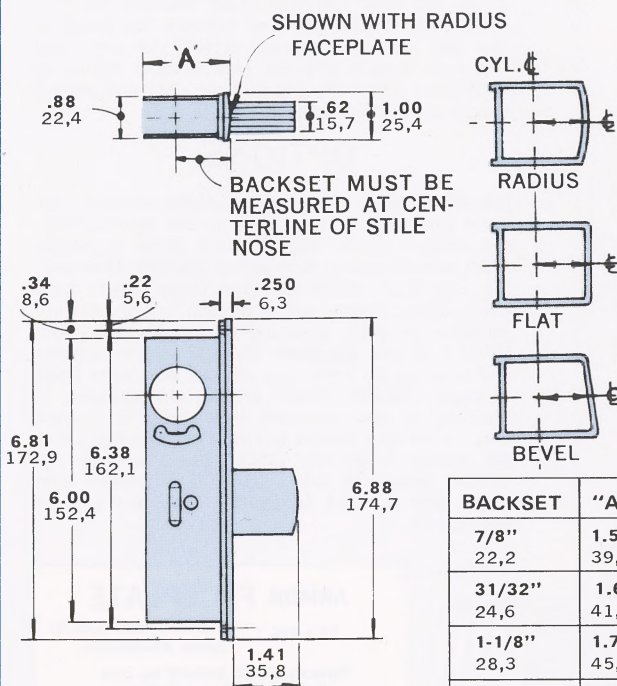
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

MS1850A DEADLOCKS

DIMENSIONS

INCHES
MILLIMETERS



HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which identifies lock with specific faceplate. See below:

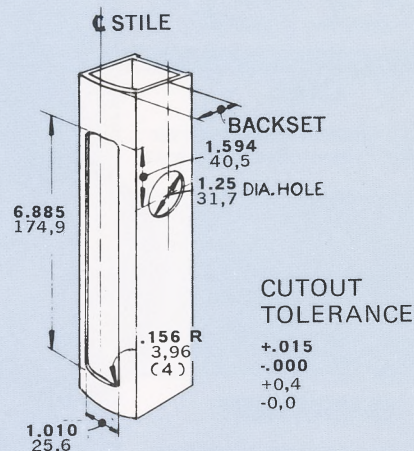
	FACEPLATE	CATALOG NO.
HQ384-010	FLAT	1850A
HQ384-110	RADIUS	1851A
HQ384-210	LEFT BEVEL	1852A (LH)
HQ384-310	RIGHT BEVEL	1852A (RH)
HQ384-410	RADIUS WITH WEATHERSTRIP	1851AW

3. Specify **BACKSET**:
7/8", 31/32", 1 1/8" or 1 1/2".

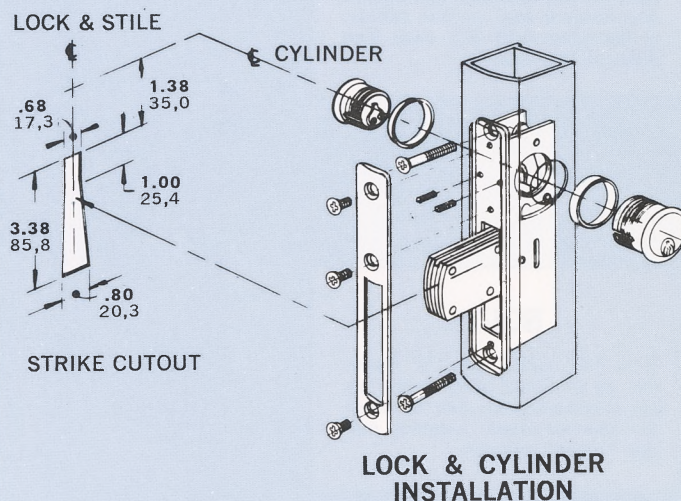
RELATED HARDWARE & ACCESSORIES

1. Strikes. Page SW-7.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.
5. Two-point Lock. Page SW-9.
6. Three-point Lock. Page SW-11.

INSTALLATION



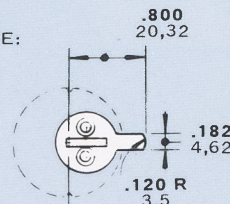
STILE PREPARATION



See Page SW-100 for Lock Mounting Methods

CYLINDER CAM

CAM
TOLERANCE:
± .005
± 0,13



MS1850A Series Locks are operable by any standard 1 3/2" diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder manufacturers.

See Page SW-98 for Cylinder
Make & Trim Ring information.

LATCH/LOCK SERIES MS+1890

PATENTED. (OTHER PATENTS APPLIED FOR.)

BHMA TYPE E15082

CYL. BACKSET

Specify. Available in $\frac{31}{32}$ ", $1\frac{1}{8}$ " or $1\frac{1}{2}$ " only. (Backset is measured from centerline of faceplate to centerline of cylinders.)

CYLINDERS NOT
FURNISHED BUT
AVAILABLE

OPERATION

360° turn of key throws or retracts hook-shape deadbolt. When unlocked, 120° further turn of key retracts latchbolt as well. Cylinder may be any make standard $1\frac{5}{32}$ " mortise type with M.S.® cam. Handle retracts spring-loaded latch bolt only.

CASE

Steel with corrosion-resistant plating. 1" x $7\frac{3}{8}$ " x depth. Case depth varies with backset.

BACKSET	DEPTH
$\frac{31}{32}$ "	1.63
$1\frac{1}{8}$ "	1.78
$1\frac{1}{2}$ "	2.25

HANDLE(S)

Order separately either 4561-11 Lever Handle or Paddle Operator 4590 - 11 through 4590 - 14, (See page SW-32B.)

LATCHBOLT HOLDBACK

Hold bolt fully retracted and engage detent to allow door to be free swinging. (See instructions next page.)

FUNCTION:

Deadlocked Maximum Security after hours plus traffic-control convenience for management during the business day. Typical installation is a bank or store requiring three modes of door control: (1) Both lock and latch bolts retracted for unrestricted entry and exit during business hours, (2) Handle-operated latch for exit-only traffic just after closing, and (3) Maximum Security hookbolt for overnight lockup.

OPTIONS:

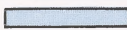
Cylinder Backset, Hanging, and Faceplate Shape (radius, flat or bevel cross-section to match door nose) must be specified. Order handle for one side only or both sides. (Handles both sides solve, with minimum traffic impediment, the problem of a door that stands ajar because of wind or air-conditioning pressures.) See HOW TO ORDER.

ARMORED FACEPLATE

1" x $6\frac{7}{8}$ "

FINISH: 628 (US28)*

Specify FACE SHAPE by last digit in catalog number:

FLAT: MS+1890	
RADIUS: MS+1891	
RADIUS WITH WEATHERSTRIP: MS+1891W	
L. H. BEVEL: MS+1892(LH)	
R. H. BEVEL: MS+1892(RH)	

LOCK BOLT

$\frac{5}{8}$ " x $1\frac{3}{8}$ " with $1\frac{3}{16}$ " throw. Five-ply laminated steel with Alumina-Ceramic core to defeat hacksaw attack (including so-called super hacksaws) while hook shape repels prybar attempts.

LATCH BOLT

$\frac{5}{8}$ " x $\frac{5}{8}$ " with $\frac{7}{16}$ " throw. Zinc alloy with Delrin face for smooth, quiet action. Handling easily reversible.

ARMORED STRIKE

Satin stainless steel trim plate with steel mounting plate and dust box. Flat strike (shown) furnished. Also available (for pairs of doors) in radius shape, or (for ANSI hollow metal jambs) flat with square corners. Flat strikes also available with longer lip. MS+1890 latch/lock cannot be used with electric strikes.

©1970, 1973, 1974, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

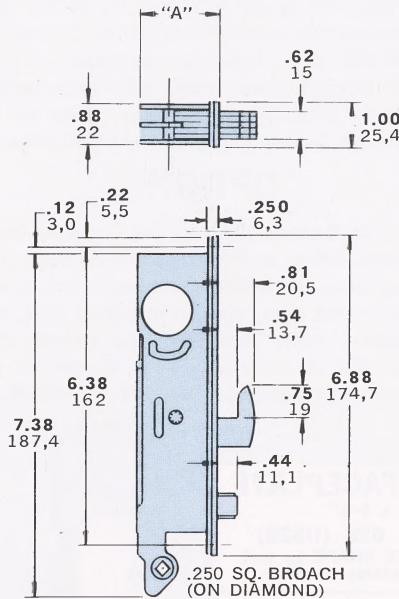
* Consult factory about special finishes.

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-2B

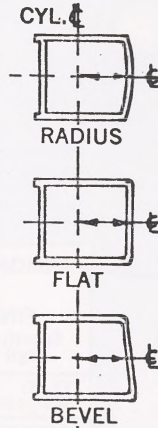
MS+1890 LATCH/LOCKS

DIMENSIONS

INCHES
MILLIMETERS

BACKSET	"A"
31/32"	1.63 40,6
1-1/8"	1.78 44,4
1-1/2"	2.25 57,1

HOW BACKSET IS MEASURED



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies faceplate in last digit:

	FACEPLATE SHAPE	CATALOG NO.
HQ2 70-020	FLAT	MS+1890
HQ2 70-120	RADIUS	MS+1891
HQ2 70-420	RADIUS WITH WEATHERSTRIP	MS+1891W
HQ2 70-220	LEFT BEVEL	MS+1892(LH)
HQ2 70-320	RIGHT BEVEL	MS+1892(RH)

4. Specify BACKSET: 31/32", 1 1/8" or 1 1/2".
5. Specify HANDING: RH, LH, RHR, or LHR.
5. Order HANDLE(S) separately:

4561-11*	4590-11*	4590-12*	4590-13*	4590-14*
(BLACK) LEVER	PADDLE, PULL TO LEFT	PADDLE, PUSH TO LEFT	PADDLE, PULL TO RIGHT	PADDLE, PUSH TO RIGHT

6. Specify STRIKE: if other than flat type furnished.

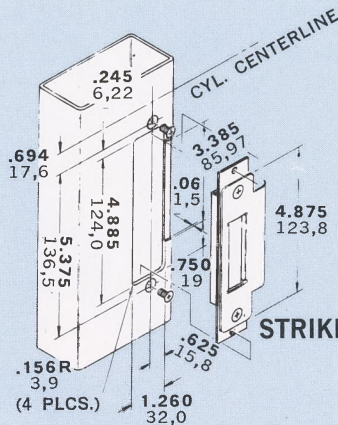
STANDARD PACKAGE: Individually boxed with strike and machine screws for mounting. Cylinders available separately at extra cost. Shipping weight: 2 lbs.

*For door thickness other than 1 3/4", contact factory.

INSTALLATION

(CUTOUT SAME AS SERIES MS1850A DEADLOCK PLUS HOLES FOR HANDLE MOUNT.)

CUTOUT TOLERANCE:
+ .015
- .000
+0,38
-0,0



JAMB PREPARATION

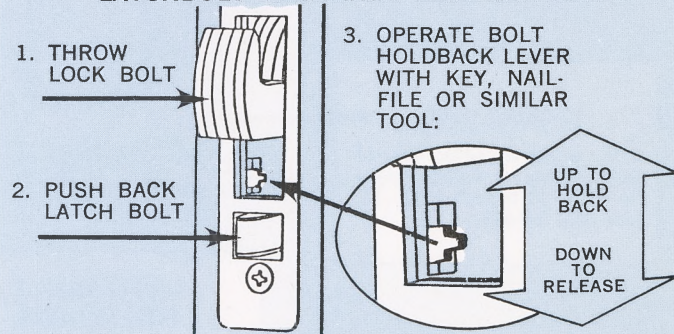
(COVERS ANY PREVIOUS CUTOUT FOR M.S.® DEADLOCK)

MAXIMUM GAP, DOOR TO JAMB: 1/8" 3,1

LATCH/LOCK, CYLINDERS AND PADDLE INSTALLATION

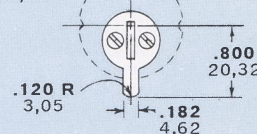
See Cylinder Guard, Page SW-13 for added security.

LATCHBOLT HOLDBACK INSTRUCTIONS



CYLINDER CAM

CAM TOLERANCE:
+ .005
- .013



MS+ Latch/locks are operable by any standard 1 3/4" diameter mortise cylinder with special M.S.® cam, dimensioned as shown. Cylinders with M.S.® cams can be readily obtained from most cylinder manufacturers.

(See Page SW-98.)

DEADLOCK SERIES MS1850ANSI

BHMA TYPE E8211

CYLINDER BACKSET

1½" only.

ARMORED FACEPLATE

1¼" x 8"

TRIM FINISH: US28 (628) Satin aluminum, anodized. Specify FACE SHAPE by last digit in catalog number:

FLAT:
MS1850ANSI

RADIUS:
MS1851ANSI

LEFT BEVEL:
MS1852ANSI (LH)

RIGHT BEVEL:
MS1852ANSI (RH)

PATENTED

BOLT

5/8" x 1 3/8" x 2 7/8" with 1 3/8" throw. Five ply laminated steel. Center ply has Alumina-Ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws.

STRIKE

Available in lipped, ANSI-spec version in steel with chrome US26D (626) or brass US3 (605) finish. Simple slot in metal jamb (see next page) also suitable. See other strikes, page SW-7.

FUNCTION:

For hollow metal or wood doors prepared for hardware according to the specifications of the American National Standards Institute, Inc., this M.S.® deadlock provides maximum security and ease of installation. Its standard 1½" backset dimension provides adequate clearance for the deep stop on the door jamb of hollow metal entrances.

OPTIONS:

Strike available: 4003ANSI. The 4015 threshold bolt described on page SW-10 can be added for pairs of doors, as can the 4085 header bolt (page SW-12). Shorter hook-shape bolt available. (See page SL-3.) For "SCHOOLHOUSE" version (operation from inside is "unlock only") specify Series SCH-1850ANSI and LH or RH. Use thumbturn (Page SW-97) inside.

Cylinders not furnished but available.

OPERATION

360° turn of key (or thumbturn) throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1-5/32" mortise cylinder or thumbturn (with M.S. cam) from either or both sides.

CASE

1" x 6" x 2¼". Steel corrosion-resistant plating.

STANDARD PACKAGE

Individually boxed with #12-24 machine screws for mounting plus template for adapting any cylinder cam to the M.S. cam shape. Cylinders and/or thumbturn available at extra cost. Shipping weight: 1½ lbs. Also available in a 25 unit pack for volume users.

© 1967, 1972, 1975 by

ADAMS RITE
MANUFACTURING CO.



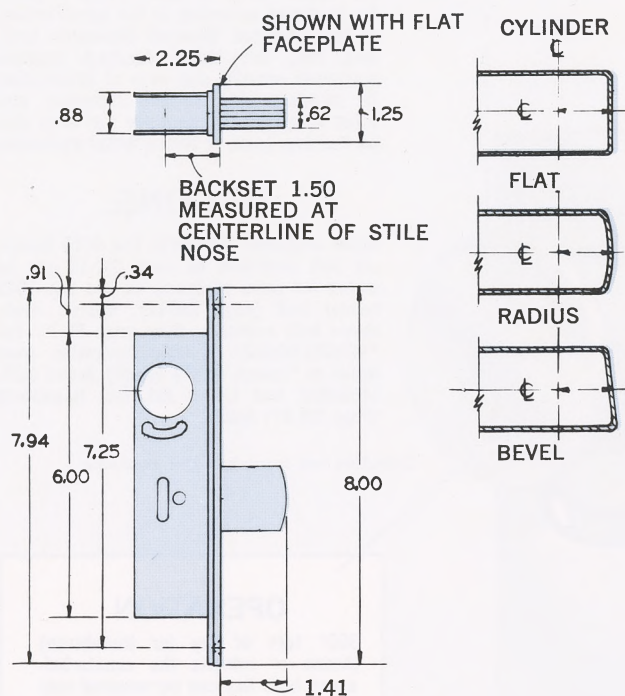
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-4

MS1850ANSI DEADLOCKS

DIMENSIONS



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies lock with specific faceplate. See below:

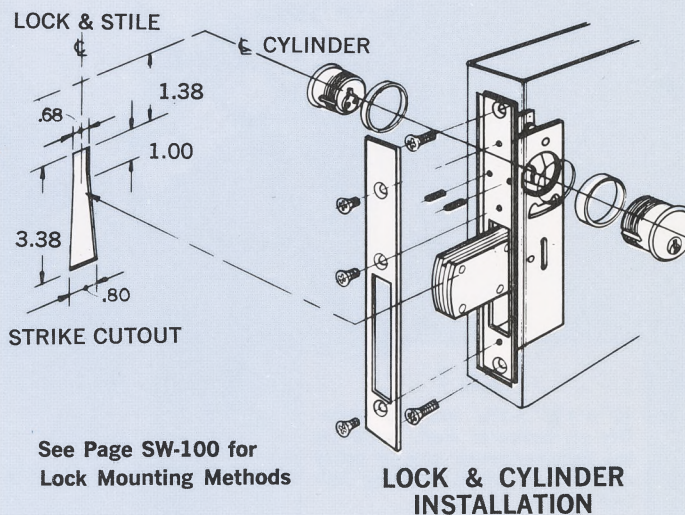
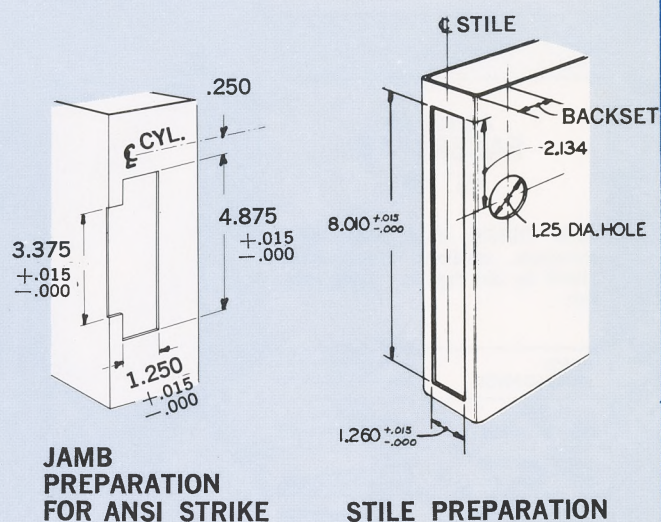
	FACEPLATE	CATALOG NO.
HQ226-010	FLAT	MS1850ANSI
HQ226-110	RADIUS	MS1851ANSI
HQ226-210	LEFT BEVEL	MS1852ANSI (LH)
HQ226-310	RIGHT BEVEL	MS1852ANSI (RH)

3. If ANSI strike required, specify 4003ANSI and finish: US26D or US3.

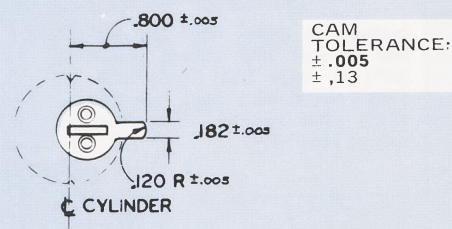
RELATED HARDWARE & ACCESSORIES

1. Other strikes. Page SW-7.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.

INSTALLATION



CYLINDER CAM



MS1850ANSI Series Locks are operable by any standard $1\frac{1}{32}$ " diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder manufacturers.

See Page SW-98 for Cylinder Make & Trim Ring information.

REPLACEMENT DEADLOCK SERIES MS1850

BHMA TYPE E8211

CYLINDER BACKSET

Specify: $\frac{7}{8}$ ", $\frac{31}{32}$ " or $1\frac{1}{8}$ " only.
(Measured from centerline of face-plate to centerline of cylinders.)

CASE

Steel with corrosion-resistant plating. $1" \times 6"$ x depth. (Case depth varies with backset. See table next page.)

Cylinders not furnished but available.

OPERATION

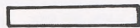
360° turn of key (or thumbturn) throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard $1\text{-}5/32"$ mortise cylinder from either or both sides. Cylinder must have M.S. cam. (See catalog page SW-98.)

ARMORED FACEPLATE

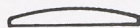
$1\frac{1}{4}" \times 7\text{-}13/32"$

TRIM FINISH: US28 (628) Satin aluminum, anodized. Specify FACE SHAPE by last digit in catalog number:

FLAT:
MS1850



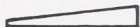
RADIUS:
MS1851



LEFT BEVEL:
MS1852 (LH)



RIGHT BEVEL:
MS1852 (RH)



FUNCTION:

Provides the same incomparable level of security that the MS1850A lock provides for new construction. Its larger face ($1\frac{1}{4}"$ wide) fills the stile opening left when older type locks are removed. Modification of the old cutout (usually elongated) is normally required but easily accomplished with a saber-saw, router or simply a hand saw.

OPTIONS:

Cylinder backset and faceplate cross-section shape must be specified. See pages SW-10 and SW-12 for second and third bolts for pairs of doors.

BOLT

$\frac{5}{8}" \times 1\frac{3}{8}" \times 2\frac{7}{8}"$ with $1\frac{3}{8}"$ throw. Five ply laminated steel. Center ply has Alumina-Ceramic core to defeat any hacksaw attack, including rod-type "super" hacksaws.

STRIKE

See reverse of this page for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike and armored strike also available. (See catalog numbers 4000, 4001 and MS4002.)

STANDARD PACKAGE

Individually boxed with machine screws for mounting and template for adapting any cylinder cam to the M.S. cam shape. Cylinders and/or thumbturn available at extra cost. Shipping weight: $1\frac{1}{2}$ lbs.

PATENTED

MS1850
(ACTUAL SIZE)

© 1967, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



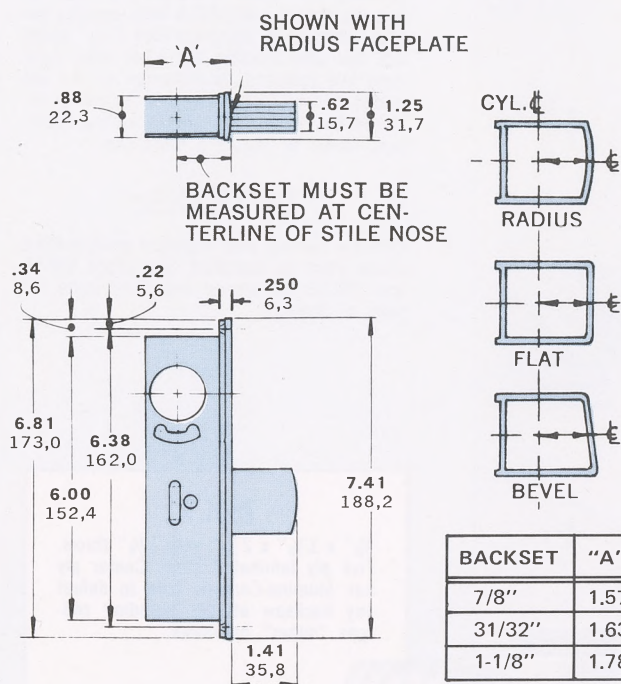
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-6

MS1850 DEADLOCKS

DIMENSIONS

 INCHES
MILLIMETERS


HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies lock with specific faceplate. See below:

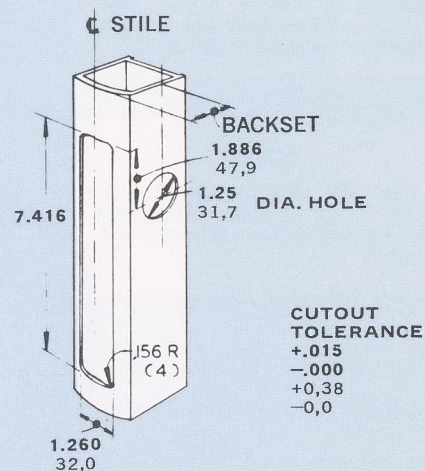
	FACEPLATE	CATALOG NO.
HQ398-010	FLAT	MS1850
HQ398-110	RADIUS	MS1851
HQ398-210	LEFT BEVEL	MS1852 (LH)
HQ398-310	RIGHT BEVEL	MS1852 (RH)

3. Specify BACKSET: 7/8", 31/32" or 1 1/8"

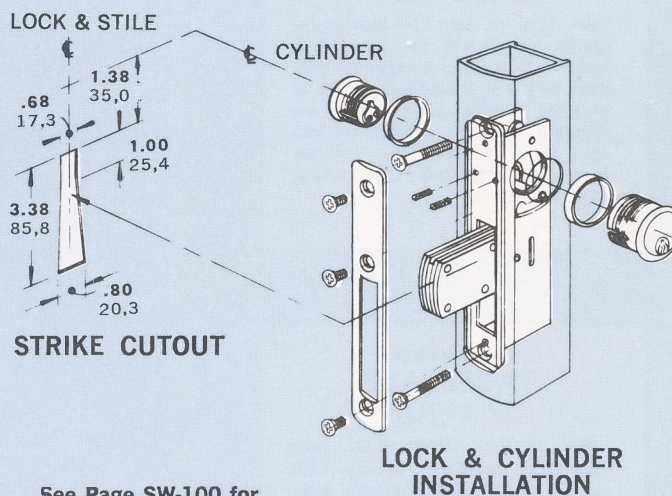
RELATED HARDWARE & ACCESSORIES

1. Strikes. Page SW-7.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.

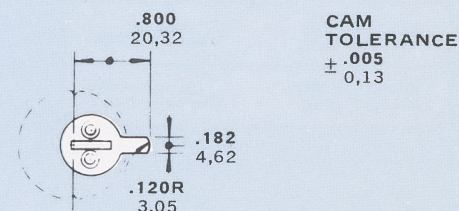
INSTALLATION



STILE PREPARATION


 See Page SW-100 for
Lock Mounting Methods

CYLINDER CAM



MS1850 Series Locks are operable by any standard 1 1/2" diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder manufacturers.

See Page SW-98 for Cylinder Make & Trim Ring information.

DEADLOCK STRIKE SERIES

4000

4000 TRIM STRIKE

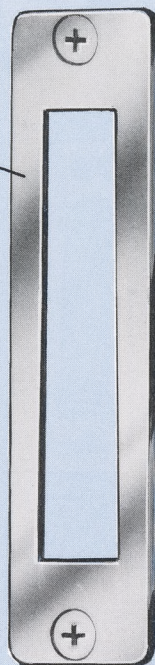
A simple strike plate that can be surface mounted on a wood or metal jamb or mortised flush. Furnished with two #10 flat head machine screws and two #10 flat head wood screws.

MATERIAL

Aluminum.

TRIM FINISH

US28 (628), satin aluminum, anodized. For other finishes contact factory for availability.



4000-012

ALL STRIKES
SHOWN TWO-
THIRDS ACTUAL
SIZE

MS4002-012

4001-032

4001 BOX STRIKE

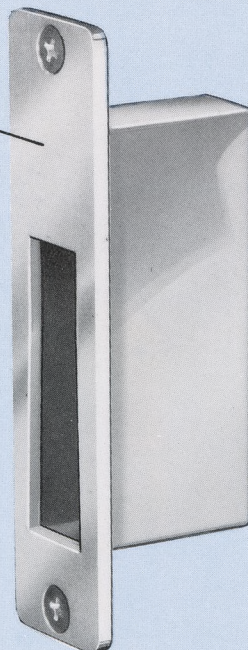
Same trim plate as shown above but with dust box added. Customarily used only for wood construction where the dust box prevents chips, sawdust and other debris from entering strike. Also furnished with both wood and machine screws.

MATERIAL

Trim plate aluminum. Box, steel plated for corrosion resistance.

TRIM FINISH

US 28 (628) satin aluminum, anodized. For other finishes contact factory for availability.

**FUNCTION:**

The majority of Adams Rite M.S.® deadlocks are installed in metal construction where the strike cutout can be simply a slot in the jamb. However, for esthetic reasons or, in the case of the MS4002, for added security, many who specify the M.S. lock add one of these strikes.

OPTIONS:

Besides the dust box and armored doubler options shown, each strike is available with choice of flat or radius face, to accept bolt of long-throw, short-throw or "hookbolt" locks, and with square or round corners on trim plate. See "How to Order" next page.

MS4002 ARMORED STRIKE

Same trim plate as 4000 and 4001, but backed up by a massive steel doubler designed to prevent the method of forced entry known as "jamb peeling." Fits within aluminum or other hollow jamb sections with trim face flush, the steel completely hidden. Available flat or radiused (for pairs* of doors) and to fit all M.S. deadlocks including the "hookbolt" version in sliding doors. (Hookbolt use dictates door/jamb gap of 1/8" or less.) Unhanded, may be used with RH or LH swinging or sliding doors.

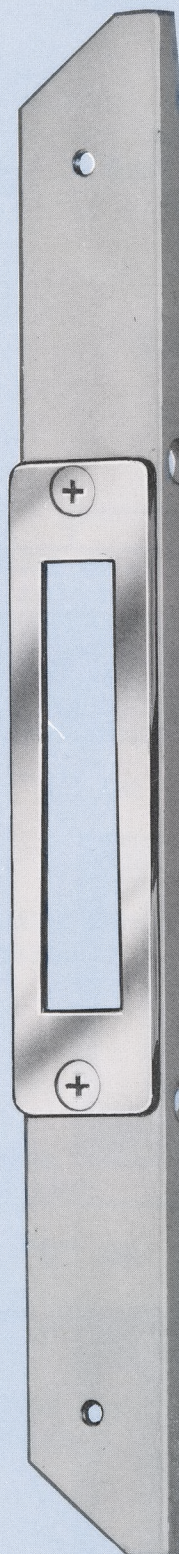
MATERIAL

Trim plate aluminum. Reinforcement doubler, steel, plated for corrosion resistance.

TRIM FINISH

US28 (628) satin aluminum, anodized. For other finishes contact factory for availability.

*Can be used with 2Pt and 3Pt M.S. locks.



© 1967, 1972, 1974, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4000 STRIKES

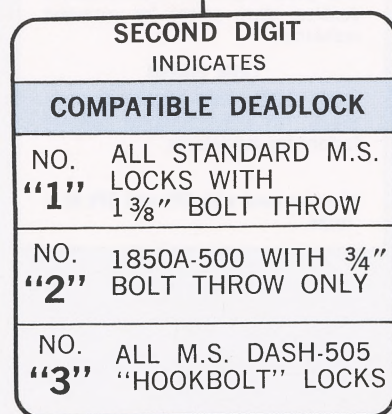
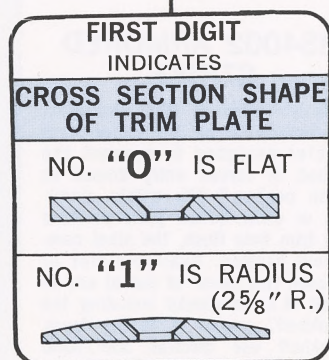
INCHES
MILLIMETERS

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER (4000, 4001 or MS4002) PLUS the three digit dash number. See below:

EXAMPLE OF STRIKE NUMBER

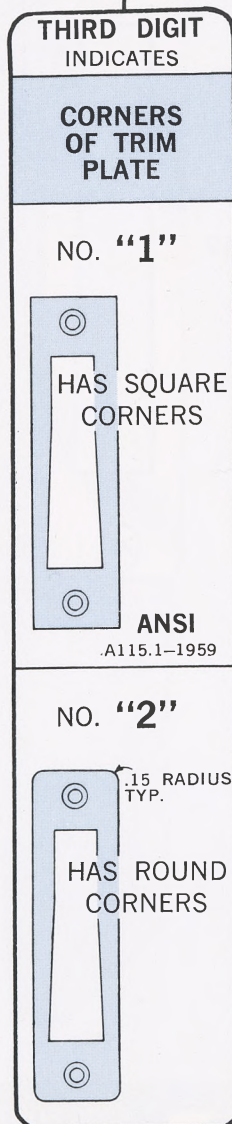
4001 - 0 1 1*



*EXAMPLE SHOWN:

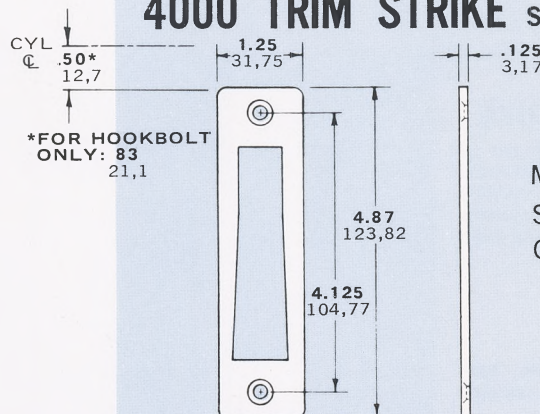
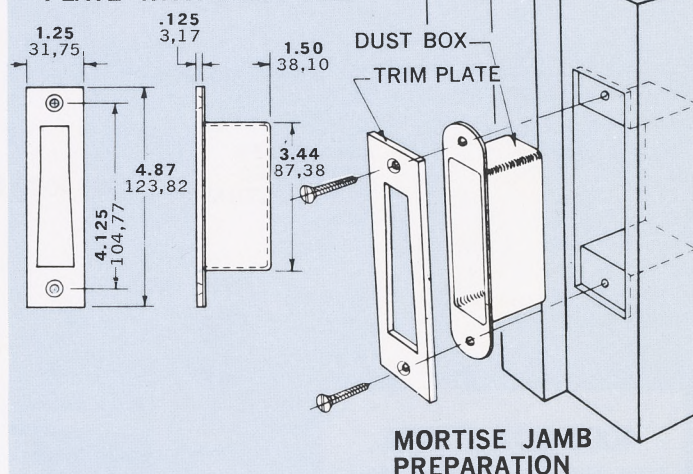
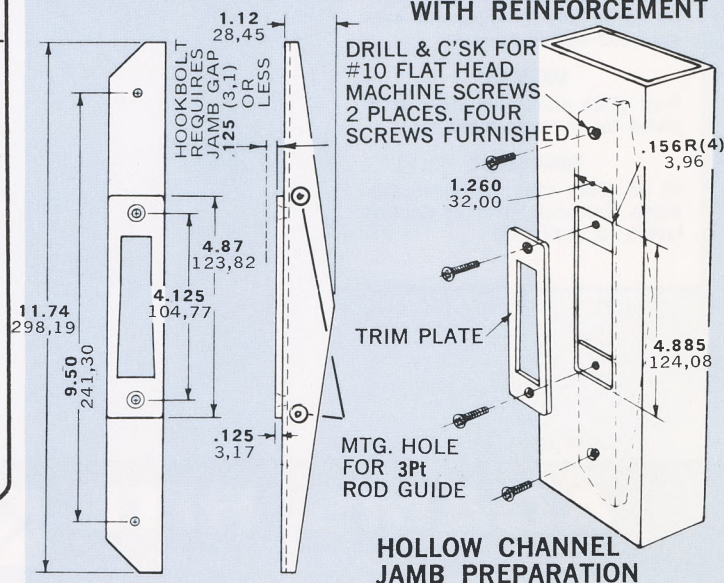
BOX STRIKE, FLAT TRIM PLATE WITH SQUARE CORNERS, FOR STANDARD M.S. LOCK.

ALSO SEE ANSI DIMENSIONED STRIKE WITH MS1850 ANSI DEADLOCK. PAGE SW-3.



DIMENSIONS

4000 TRIM STRIKE STRIKE PLATE ONLY

MAY BE
SURFACE MOUNTED
OR MORTISED4001 BOX STRIKE
PLATE WITH DUST BOXMS4002 ARMORED STRIKE PLATE
WITH REINFORCEMENTCUTOUT TOLERANCE:
+.015 +.38
-.000 -.00

THRESHOLD BOLT 4015

CYLINDER HEIGHT

Standard threshold bolt rod is sufficient for cylinder height up to 53-7/16". It is fully threaded and can be cut off for low cylinder heights. Also available to volume users cut and threaded only for specific cylinder heights.

OPERATION

360° turn of key (or thumbturn) in basic M.S.® lock (see Pages SW, 1, 3, and 5) throws counterbalanced bolt into opposite door and drop-bolt into threshold. Key can be removed only when bolts are in a positively locked or unlocked position.

ADJUSTMENT

Exact adjustment of threaded rod to cylinder height is locked in place by hexagonal bolt guide on hexagonal threshold bolt.

THRESHOLD BOLT

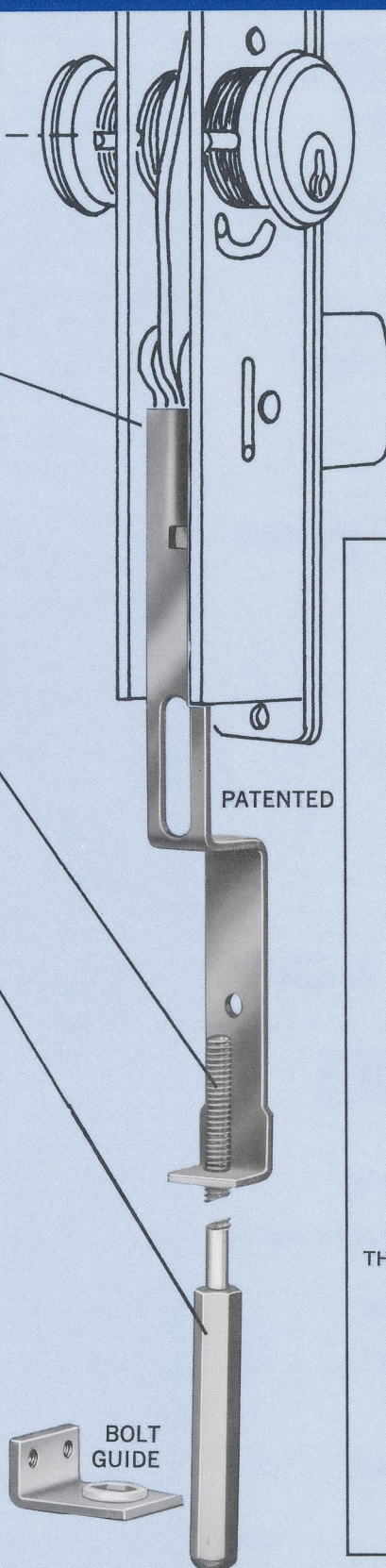
Hexagonal 3/8" (flat to flat). Hardened steel, plated for corrosion resistance.

STRIKE

For drop-bolt, a 1/2" diameter hole in metal threshold is suitable or, for non-metal installations, HD28 strike is available.

STANDARD PACKAGE

4015 packed separately with bolt guide, screws and attachment pin. Shipping weight: 1 lb.

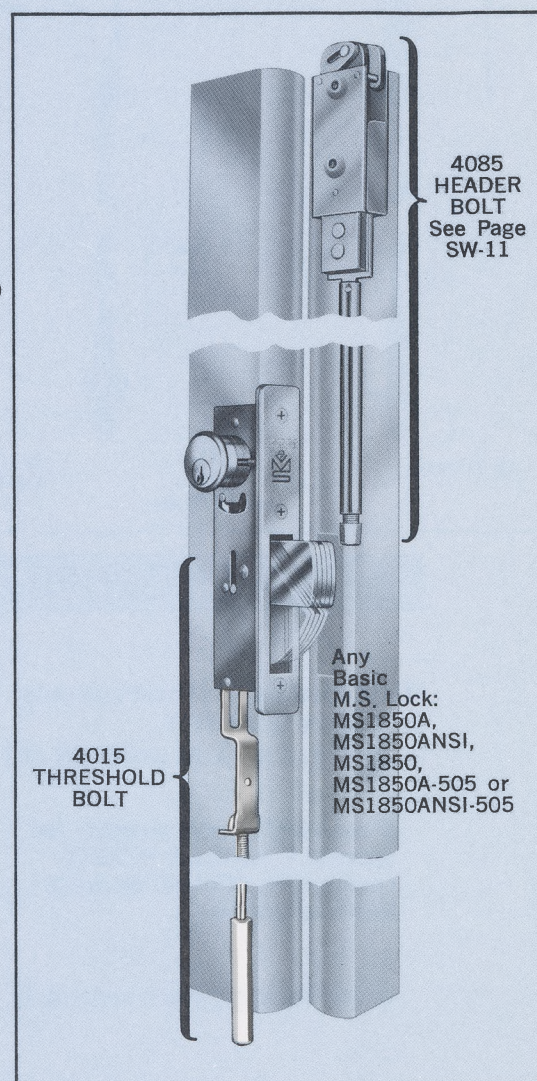


FUNCTION:

Adding the 4015 bolt to a pivoted bolt M.S.® deadlock allows Maximum Security for pairs of doors by the turn of a single key. Simultaneously dropping a hardened steel hexbolt into the threshold and pivoting the massive M.S.® bolt into the mating door's stile, the two-point lock secures the entire double door entrance. The 4015 threshold bolt is harnessed to the rear of the pivoted bolt. It may be added to any basic MS1851A, MS1851ANSI, or MS1851 deadlock. (For threshold bolt without pivoted bolt, see 1870, page SW-23.)

OPTIONS:

For "universal" application, specify 4015-18 with fully threaded rod for cut off to any cyl. height below 53". For greater height or precut rod for high volume use, specify exact cyl. height.



© 1967, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

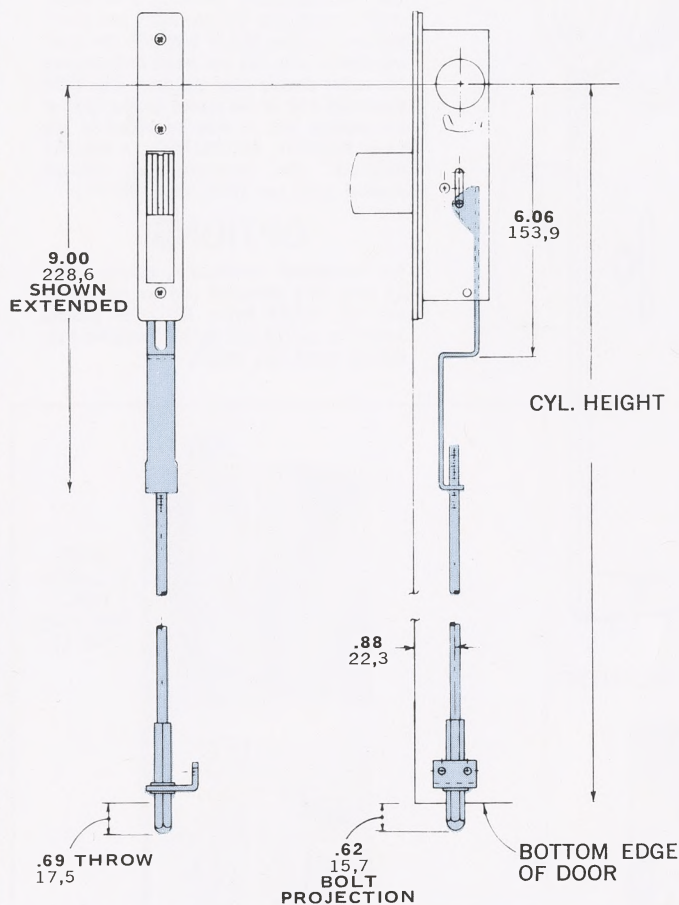
SW-10

4015 THRESHOLD BOLT

DIMENSIONS

INCHES
MILLIMETERS

SHOWN WITH
MS1851A LOCK



HOW TO ORDER

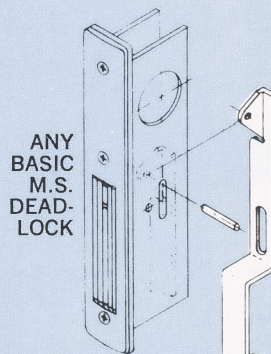
When ordering threshold bolt only:

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4015 -18

If ordering in large quantity for specific CYLINDER HEIGHT, specify CYL. HEIGHT or exact bolt/rod length.

Order Basic deadlock separately.

INSTALLATION



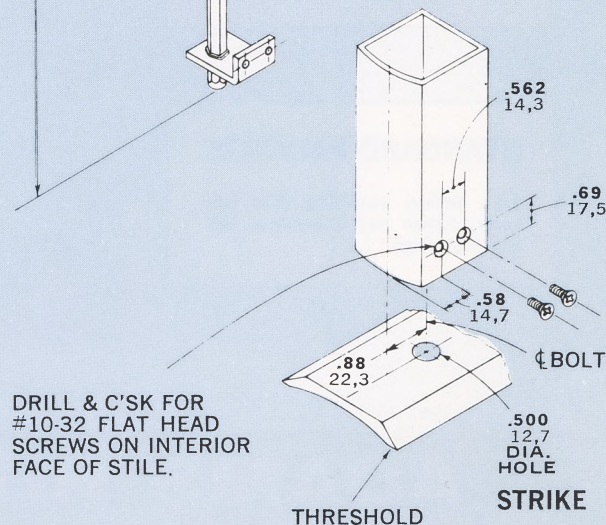
INSTALL ADAPTOR ARM IN LOCK FROM REAR WITH BOLT RETRACTED AS SHOWN. DRIVE PIN THROUGH SLOTS IN LOCK SIDE PLATES PASSING THROUGH HOLE IN THE ADAPTOR ARM.

ROD/BOLT LENGTH MUST BE APPROXIMATELY 7" LESS THAN 178,0 CYLINDER HEIGHT.

CUT OFF TO SUIT LOW CYLINDER HEIGHTS.

STILE PREPARATION

SEE BASIC M.S. DEADLOCKS MS1850A MS1850 OR MS1850ANSI



HEADER BOLT

4085

HEADER STRIKE

HD69

HEADER BOLT

$\frac{1}{2}$ " x $\frac{1}{2}$ " Expanding bolt with $\frac{5}{8}$ " throw. Housed in $\frac{1}{2}$ " x $2\frac{3}{4}$ " x $\frac{5}{8}$ " case.

CYLINDER HEIGHT AND DOOR HEIGHT

Specify both (the distance from floor up to cyl. centerline and from floor up to top of door).

OPERATION

360° turn of key (or thumbturn) throws counterbalanced bolt of M.S.® Lock (see Pages SW1, 3 and 5) into opposite door, kicking positioner bolt into header. Key can be removed only when bolts are in a positively locked or unlocked position.

PATENTED

ADJUSTMENT

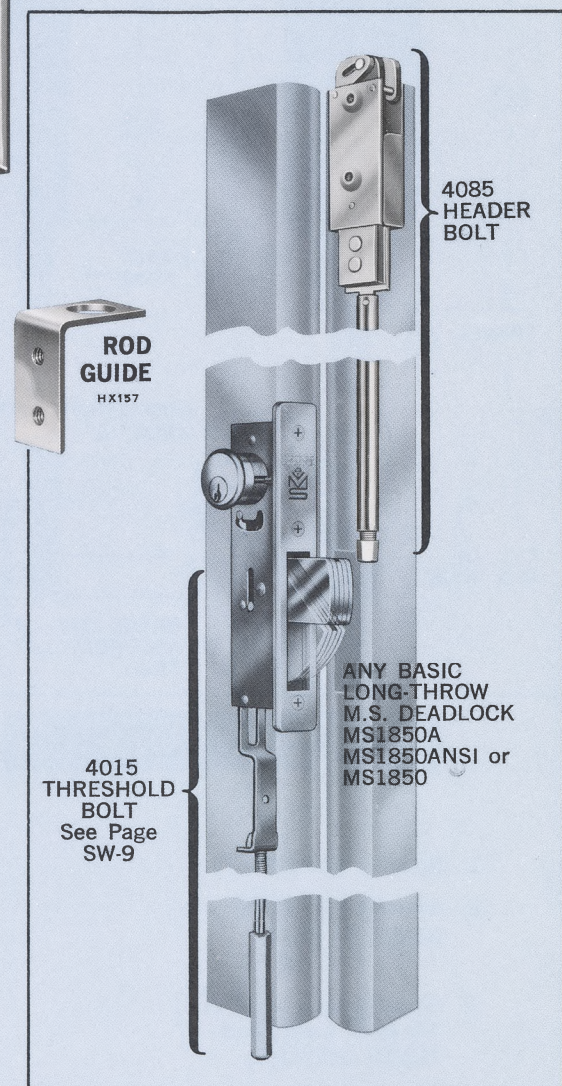
Minor adjustment of rod length by hex-shaped nylon rod end.

STANDARD PACKAGE

4085 Header Bolt packed separately with screws, rod guide and header strike.

FUNCTION:

Designed to add a top-of-door third locking point for pairs of doors with an M.S.® pivoted bolt deadlock and 4015 threshold bolt in the active leaf. The 4085 is mounted in the inactive leaf. This additional bolt, triggered by the pivoted M.S.® bolt expands in a "scissors" action to center itself in its strike as it rises. This action saves the key holder from the difficulty of lining up the doors with three separate strikes, even if doors are misaligned due to faulty installation or settling. The 3Pt features may be added to any basic MS1851A, MS1851 or MS1851ANSI deadlock.



© 1967, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

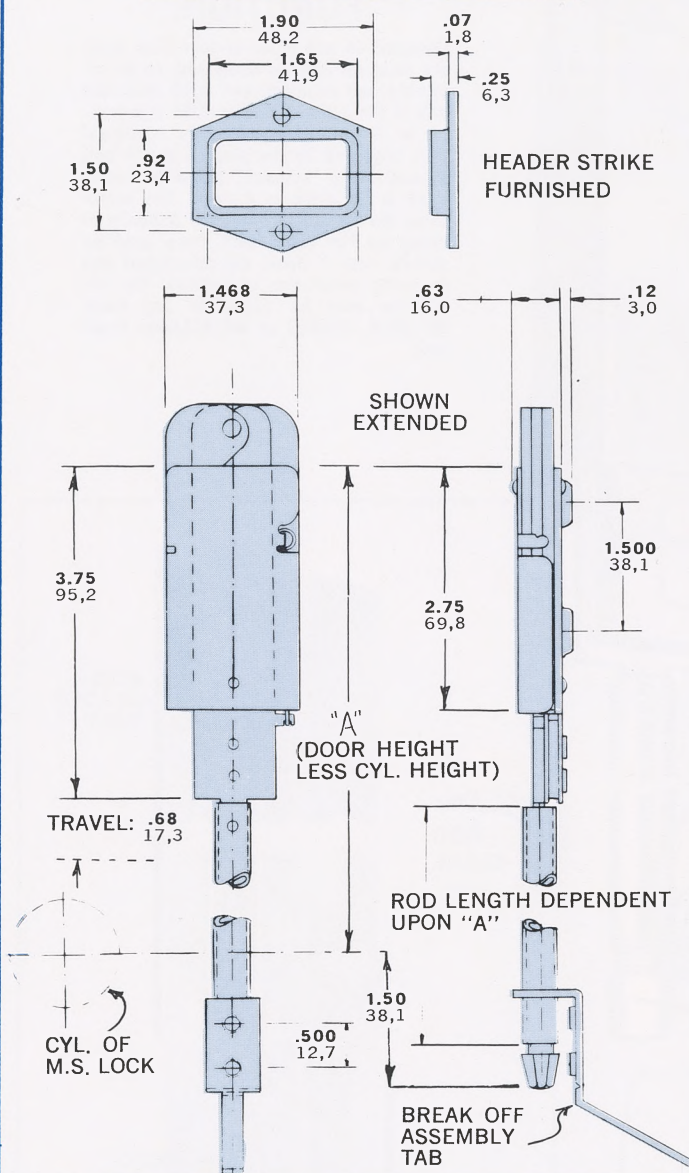
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-12

4085 HEADER BOLT

DIMENSIONS

INCHES
MILLIMETERS

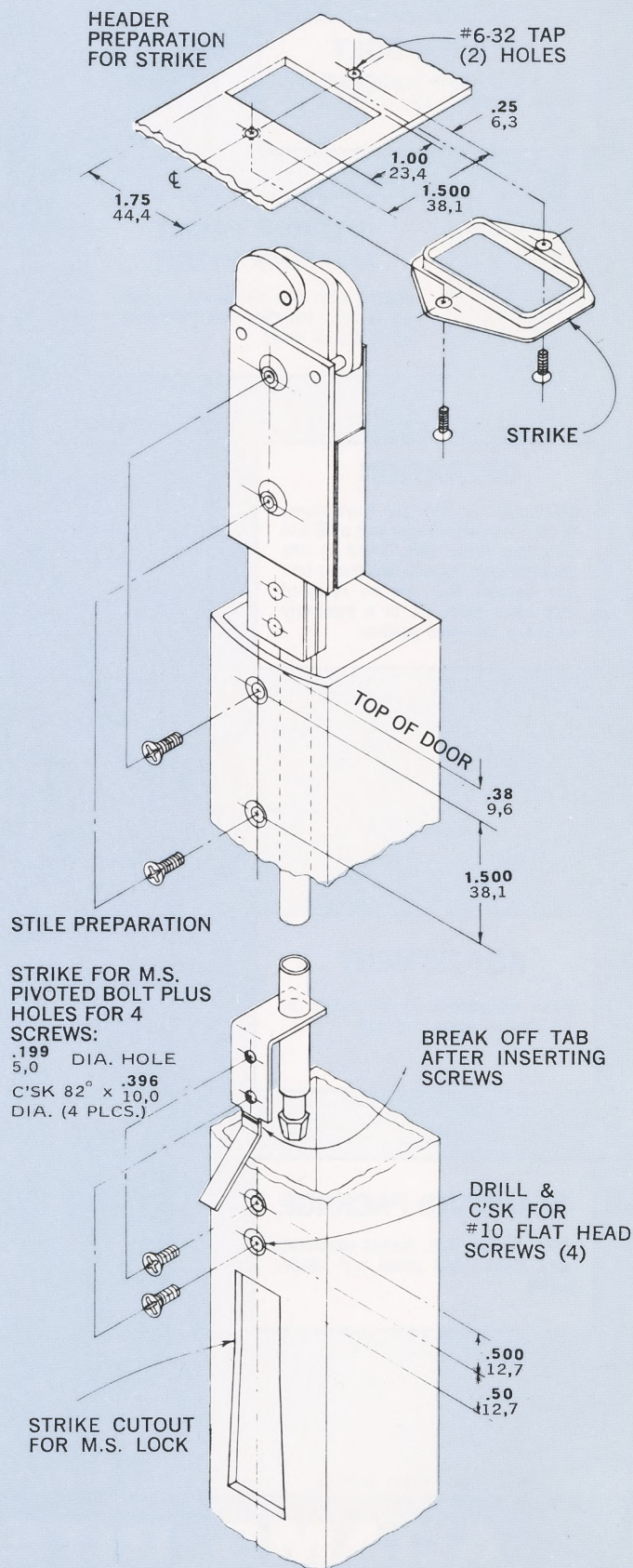


HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4085
3. Specify CYL. HEIGHT (of M.S. Lock) and DOOR HEIGHT.

Order Basic M.S. Lock separately.
Order 4015 Threshold bolt (p. SW-9)
separately.

INSTALLATION



ELECTRIC LOCK ACTUATOR

7600 SERIES

HOUSING

1 7/8" x 1 5/8" x 5 3/4". Standard finish is 628 (US28) Satin Aluminum, anodized.

INDICATOR LIGHTS

Optional. See next page. Red and green light-emitting diodes (L.E.D.s) indicate locked or unlocked doors. L.E.D.s draw only 22 milliamps current and have a virtually unlimited life.

EMERGENCY TURN

Optional. See next page. 360° turn allows mechanical override to unlock in case of power failure. NOTE: When actuator is used in a system with door switches to provide automatic re-locking as door closes and a conventional key-cylinder is installed on exterior, the THUMBTURN MUST BE SPECIFIED to allow mechanical re-synchronization of the actuator after lock is key-unlocked.

ELECTRICAL DATA

Standard actuator requires 24 volt DC current. Draw is approximately 150 milliamps under normal conditions. Under stall condition (e.g., Bolt misaligned with strike) the draw is approximately 500 milliamps. Motor is protected by a half-amp "slo-blo" fuse. Actuation speed is approximately 3 seconds to lock or unlock. (Data based on use of 115 volt AC current stepped down to 24 volt DC by an Adams Rite 4605 Transformer and 4601 full-wave rectifier. Unit will operate satisfactorily on 24 volt DC battery power or on half-wave rectification with slightly different results.)

STANDARD PACKAGE

Individually boxed with mounting screws, "pigtail" wires (3 for units without lights, 4 with lights) and grommet. Deadlock and control switch not included.

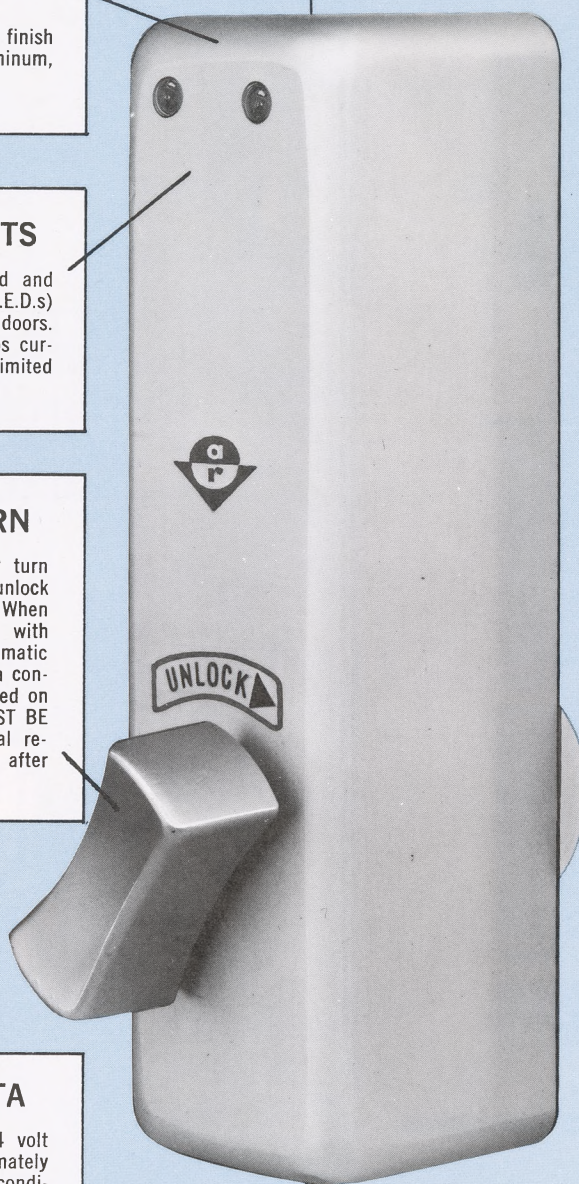
Shipping weight: 1 1/4 lb.

FUNCTION:

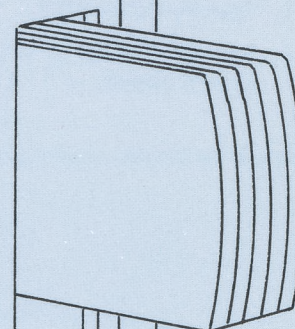
Installed on interior side of 1 3/4" door in place of a standard mortise cylinder (or thumbturn), actuates any M.S.® deadlock by 24 volt DC current. Can be controlled by an ordinary single-pole double-throw (lock/unlock) switch or by more sophisticated access control systems (key-board, magnetic card, etc.), also by others. NOTE: When used with an access control system, this actuator is not a direct electrical replacement for an electric latch strike. (The deadlock's nature requires power to both lock and unlock.) However, the effective action of an electric strike can be duplicated by using a door switch to interrupt the system's electrical power when the door opens, then continue it when it closes. (See typical circuits, next page.)

OPTIONS:

7604 (LH) and 7605 (RH) include override thumbturn. 7602 and 7603 have no turn (for highest security where life safety requirements are met by other means). 7608 and 7609 have thumbturn plus red and green lights to indicate locked or unlocked. 7606 and 7607 have lights but no thumbturn. Other door thickness on special order.



ADAMS RITE



© 1976 by

*May require cutting away door stop of outswinging door with 7/8" backset lock.

ADAMS RITE
MANUFACTURING CO.



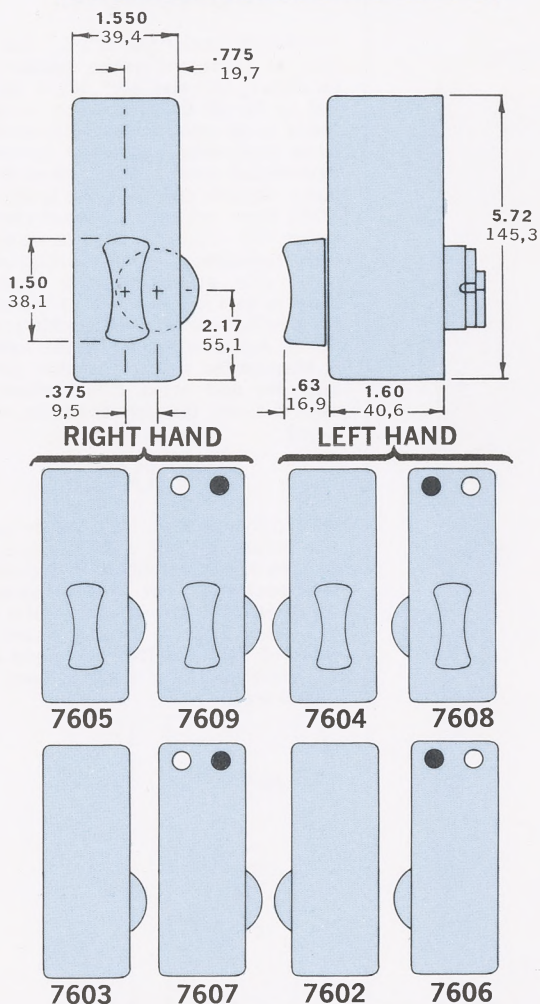
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

SW-12B

7600 SERIES

ELECTRIC ACTUATOR

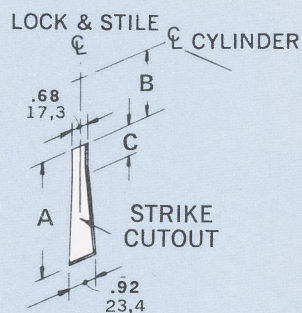
DIMENSIONS

INCHES
MILLIMETERS

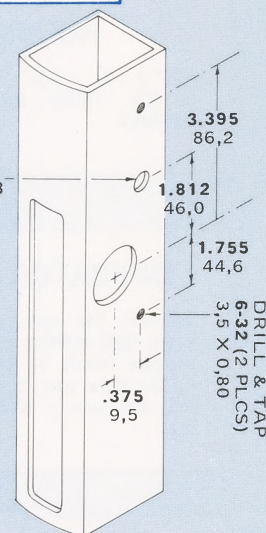
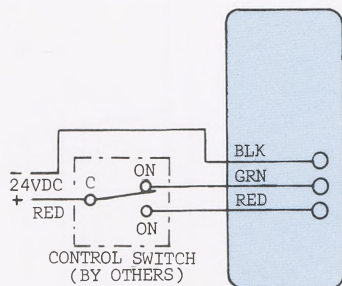
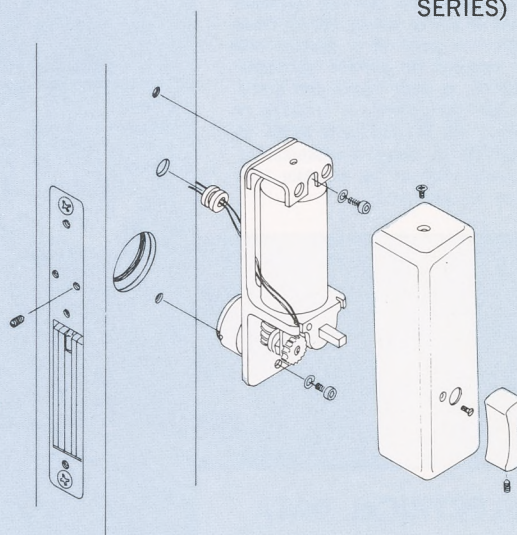
HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. and HAND from options shown above.

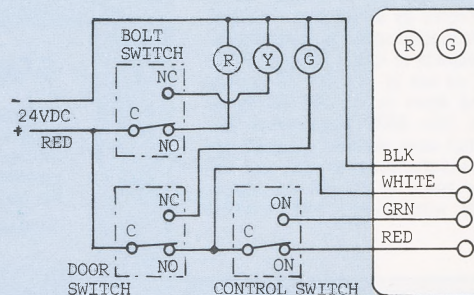
INSTALLATION



BOLT TYPE	A	B	C
REGULAR	3.38 85,8	1.38 35,0	1.00 25,4
SHORT	2.75 69,8	1.38 35,0	1.00 25,4
HOOK	1.94 49,3	2.19 55,6	.25 6,3

Drill .50
12,3
(debur
both
sides)STILE
PREPARATION
(FOR MS1850A
SERIES)

MINIMUM CIRCUIT: Using a single-pole double-throw switch and actuator without indicator lights, when switch is moved to position shown, lock will unlock and remain until switch position is reversed to lock.



TYPICAL CIRCUIT WITH ACCESS CONTROL SYSTEM BY OTHERS: Using actuator with indicator lights plus switches closed by bolt penetration of strike and door contact with jamb, this circuit has red, yellow and green security monitor lights at remote location plus automatic relocking as door closes.

CYLINDER GUARD MS4043

FUNCTION:

The standard mortise cylinder is made of brass. It is literally a soft spot in narrow stile door security. Using special pliers, a pipe wrench, or other leverage device, a burglar can tear the cylinder out of the door, leaving an opening through which he can operate the deadlock. Against this problem, the MS4043 cylinder guard offers a three-way defense: First, the outer shield ring is fully bevelled to offer poor purchase for either prying or twisting. Second, this ring is hardened steel so that the combination of shape and hardness make it virtually impossible to grip, even with sharpened tools. Third, in the event that a prying tool, such as a cold chisel, can be driven into the stile behind the shield ring, the would-be burglar is obliged to pull a heavy steel plate through a round hole in the $\frac{1}{8}$ " metal door stile. This degree of leverage is far beyond that available with most hand tools.

OPTIONS:

MS4043 fits standard $\frac{1}{8}$ " stile wall. For $\frac{1}{4}$ " thick stile wall, specify MS4043-01.

TRIM FINISH

Cadmium plated, Clear enamel (602). For other finishes, contact factory for availability.

Cylinders not furnished but available.

SECURITY RING

Steel, hardened. Free-swiveling when properly installed.

RETAINER PLATE

Steel, plated for corrosion resistance. Permits security ring to swivel. Hardened to act as an anti-drill shield.

STANDARD PACKAGE

Individually packed with spacers for flush fitting in thin stile walls. Cylinder not furnished, but available. Shipping weight: $\frac{1}{8}$ lb.

© 1973, 1974, 1975 by

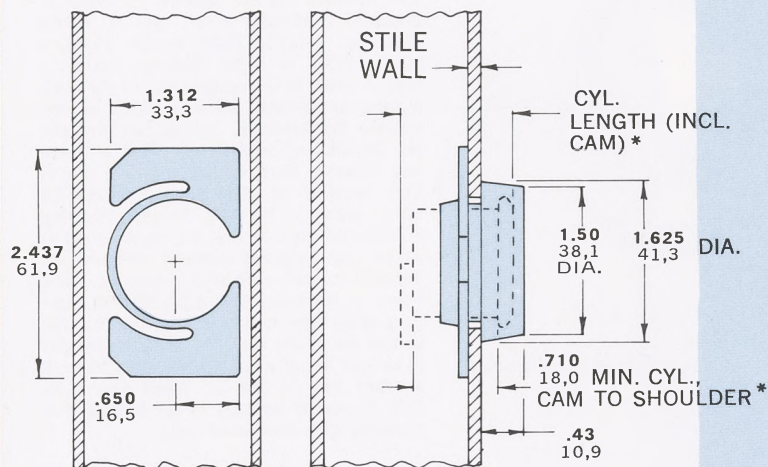
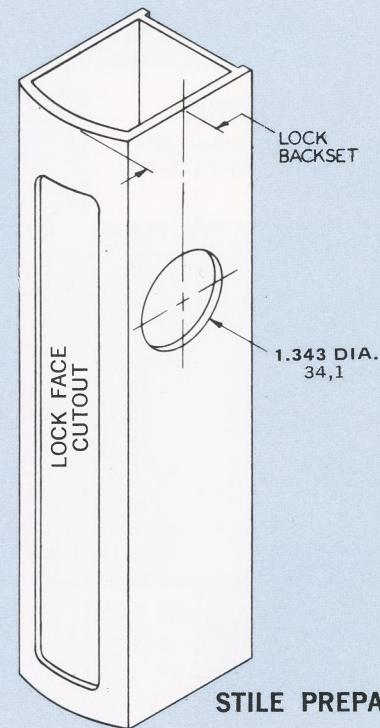
ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

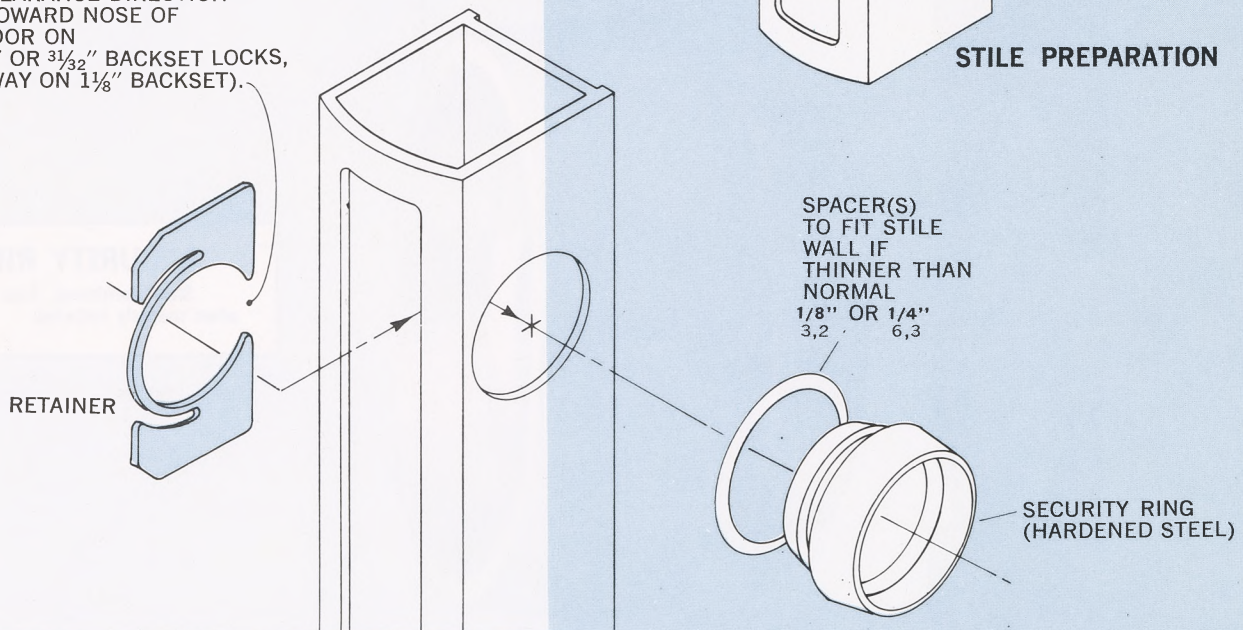
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-14

MS4043 CYLINDER GUARD**DIMENSIONS**INCHES
MILLIMETERS**INSTALLATION****STILE PREPARATION**

FACE "OPEN"
SIDE OF RETAINER
TOWARD MINIMUM
CLEARANCE DIRECTION
(TOWARD NOSE OF
DOOR ON
7/8" OR 31/32" BACKSET LOCKS,
AWAY ON 1 1/8" BACKSET).

NOTE:
GUARD MAY BE USED ON
OUTSIDE ONLY OR ON
BOTH OUTSIDE AND INSIDE
OF A DOUBLE-CYLINDER LOCK

**HOW TO ORDER**

1. Specify QUANTITY.
2. Specify CATALOG NUMBER MS4043; plus DASH NUMBER if required. (See table at right.)

RELATED HARDWARE

1. Armored Strike. Page SW-7.
2. Cylinders. Page SW-97.

NO.	STILE WALL:	CYLINDER
MS 4043	1/8" 3,2	5 or 6 pin
MS 4043-01	1/4" 6,3	5 or 6 pin
MS 4043-02	1/8" 3,2	1.31" to 1.435" long 33,3 36,4

*Contact factory regarding non-standard dimensions.

EXIT INDICATOR 4089

FUNCTION:

Provides unmistakable notification to building occupants of an exit's "locked" or "open" condition. Under many local building-safety codes, this allows the use, in certain occupancies, of a security deadlock instead of cumbersome and insecure panic devices. It includes permanently adhesive header sign: "This Door Must Remain Unlocked During Business Hours."

MESSAGE PANEL

Word "LOCKED" appears in red letters and "OPEN" in black letters on white background when lock is actuated.

MATERIAL/FINISH

Indicator escutcheon is zinc alloy with silver epoxy and clear enamel. Header sign is .003 bleached aluminum with black letters.

COMPATIBLE LOCKS:

MS1837
MS1850
MS1850A
MS1850A-505
SCH1850A
MS1850ANSI
MS1850ANSI-505
SCH1850ANSI
MS1860
MS1871
MS+1890

© 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

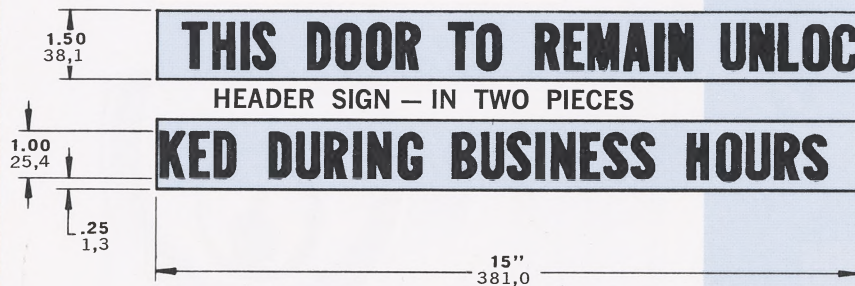
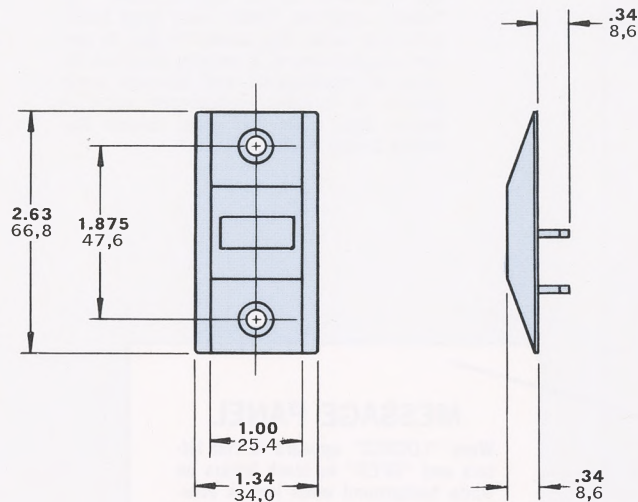
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4089 EXIT INDICATOR

DIMENSIONS

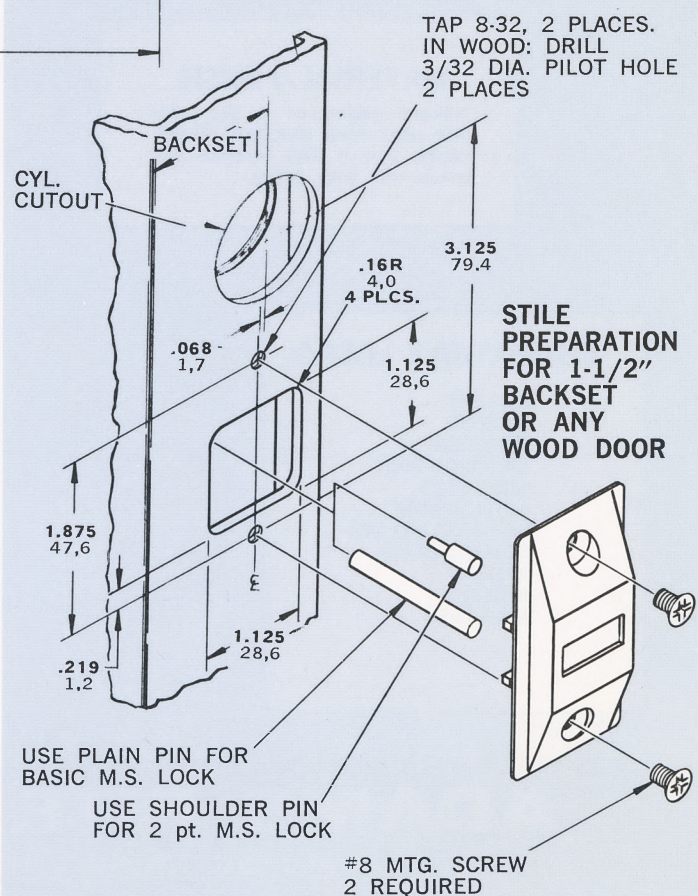
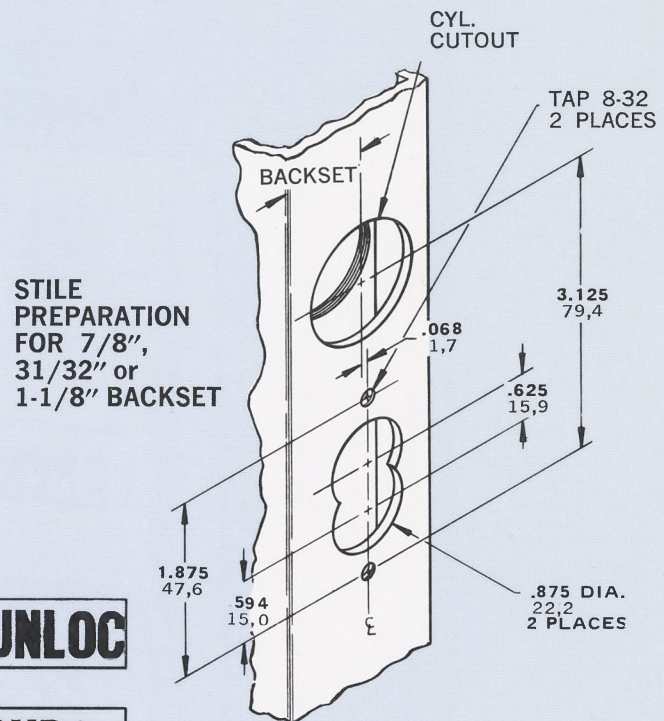
INCHES
MILLIMETERS

INSTALLATION



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4089.
(Standard unit fits 1-3/4" thick doors). For thicker doors (up to 2-1/2") specify 4089-20.



TWO-POINT BOLT MS1880

BOLTS

Hexagonal, $\frac{3}{8}$ " (flat to flat). Hardened steel plated for corrosion resistance. Guides furnished. Bolt "throw" is .72 inch. Strike required in metal headers and thresholds is simply .50 dia. hole. For wood installation order separately two HD 28 strikes.

OPERATION

Turn knob 180° clockwise to throw hardened steel bolts into header and threshold and clear strike opening so pivoted M.S.® bolt can enter from active door. Counterclockwise turn retracts vertical bolts and blocks entry of pivoted bolt.

INTERLOCK

All steel mechanism includes device to (1) prevent entry of pivoted bolt until MS1880 is locked; (2) prevent unlocking of MS1880 when pivoted M.S.® bolt is locked.

*COMPATIBLE LOCKS

MS1850A Deadlock
MS1850 Deadlock
MS1850A-505 "Hookbolt"
MS1850ANS Deadlock
MS1850ANS-505 "Hookbolt"
MS+1890 Latch/Lock
1850A-500 Shortbolt
1850-500 Shortbolt

FUNCTION:

Used instead of flip-lever flush bolts in the inactive leaf of paired doors, the MS1880 bolt offers greater convenience: one operation instead of two. It provides a safety feature: an aluminum-letters-on-red indicator to notify occupants that the door is locked. It also promotes security by removing an element of human error: a positive blocking device makes it impossible to turn the key in the active door unless the inactive leaf has first been secured. Operated in conjunction with any pivoted bolt M.S.® deadlock. MS1880 cannot be unlocked when pivoted bolt is in locked position.

OPTIONS:

Total door height and cylinder height from floor must be specified by dash number. See HOW TO ORDER. See also 1885 coordinated stop, page SW18A. For wood header or threshold, order HD28 strike.

KNOB/INDICATOR

Hour-glass shape for firm finger grip. Finish is 682 (US26D) satin chrome. Indicator red background with aluminum letters reading "LOCKED". (No message shown when unlocked.)

KNOB HEIGHT

Matches cylinder height of M.S.® lock in active door. Must be specified by dash number. See HOW TO ORDER.

MS1880
(TWO-THIRDS SIZE)

M.S.® LOCK
PIVOTED
BOLT*

STANDARD PACKAGE

Individually boxed with bolt guides and screws. Shipping weight: 2 lbs.

© 1971, 1973, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

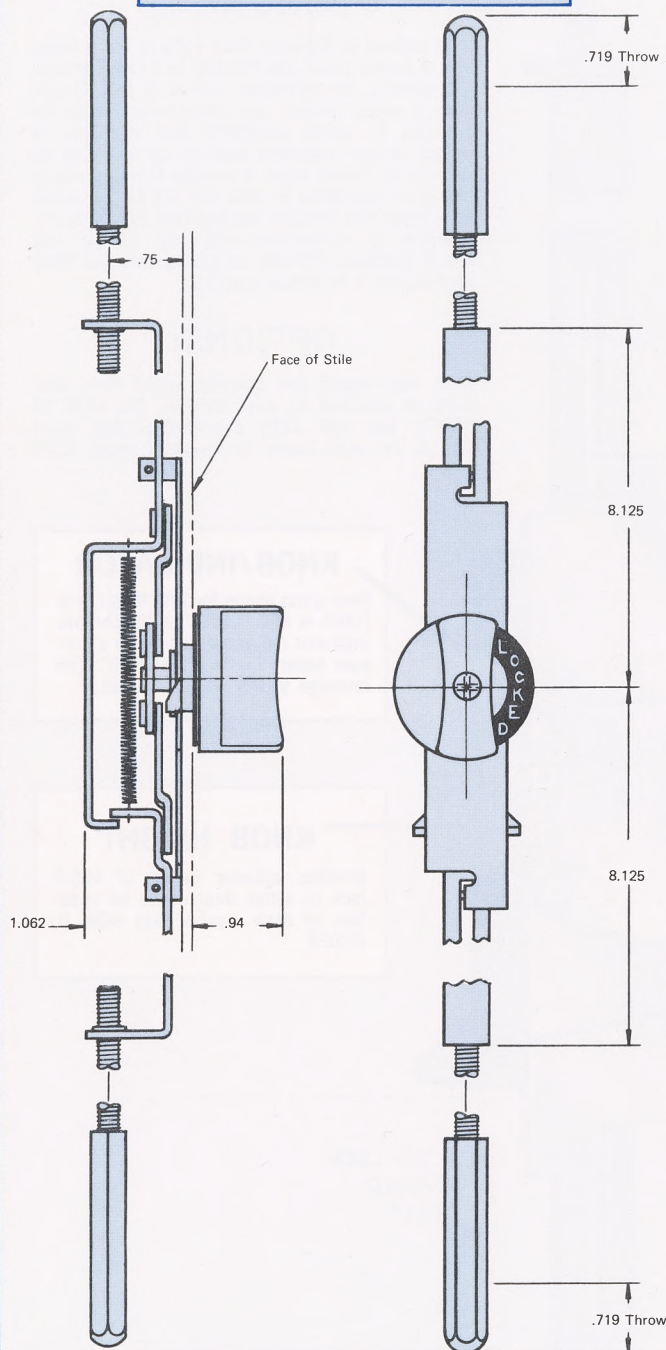
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-18

MS1880

2-POINT BOLT

DIMENSIONS



HOW TO ORDER

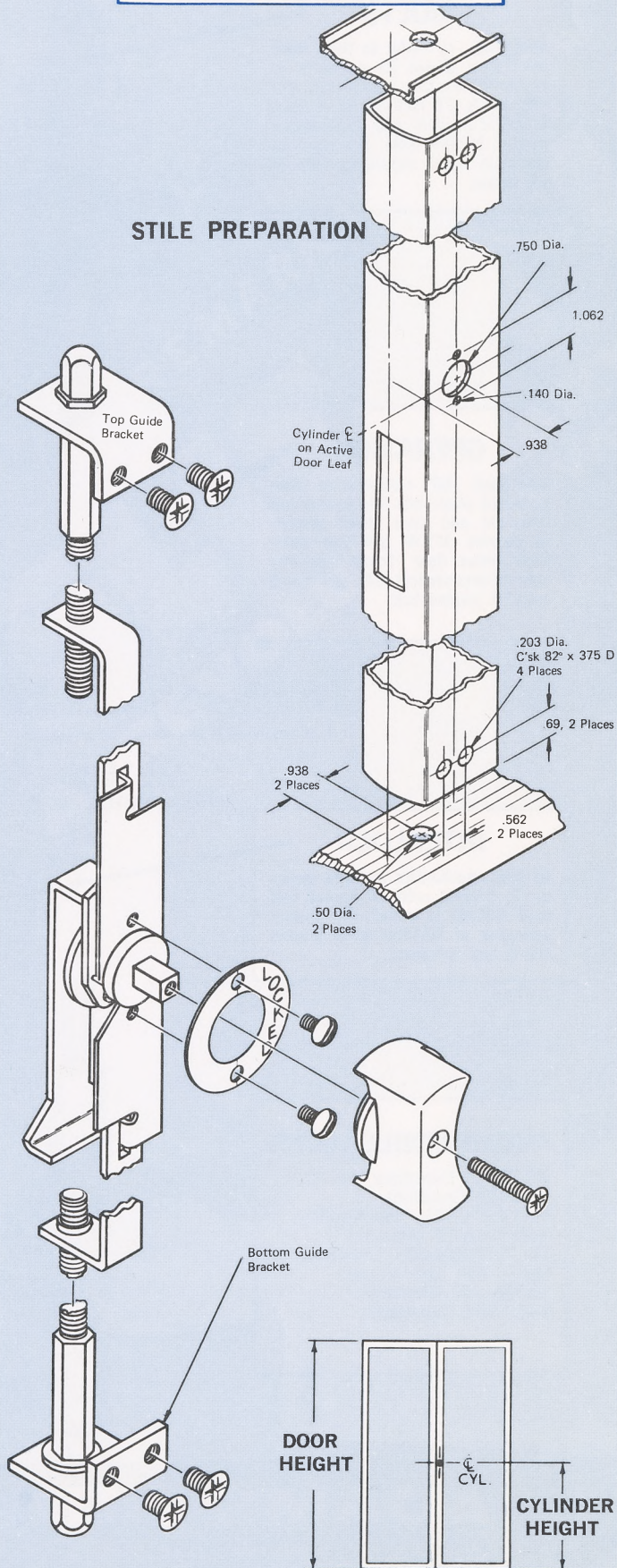
1. Specify QUANTITY.
2. Specify CATALOG NO. MS1880 plus DASH NUMBER to indicate cylinder (and Knob) height and door height.
EXAMPLE: MS1880-03

DASH NO.	CYLINDER HEIGHT*	DOOR HEIGHT*
-01	31 to 35 inches	82 $\frac{1}{2}$
-02	35 $\frac{1}{16}$ to 39 inches	to
-03	45 to 49 inches	84 $\frac{1}{8}$
-04	49 $\frac{1}{16}$ to 53 inches	inches

*Contact factory regarding non-standard dimensions.

INSTALLATION

STILE PREPARATION



COORDINATED HEADER STOP 1885

FUNCTION:

Used in conjunction with MS1880 Two-point Bolt or MS1870 cylinder operated flushbolt, provides stop to enable latch control of an entrance with a pair of double-acting (swing both in and out) doors. When operated by header bolt of MS1880 or MS-1870 from inactive leaf, 1885 projects stop plate; converts active leaf from double to single action, allowing use of latch. Particularly suitable for use with MS-1890 (page SW-2A) which interlocks with MS1880 for maximum security.

MECHANISM

All steel with corrosion-resistant plating. One moving part.

CASE

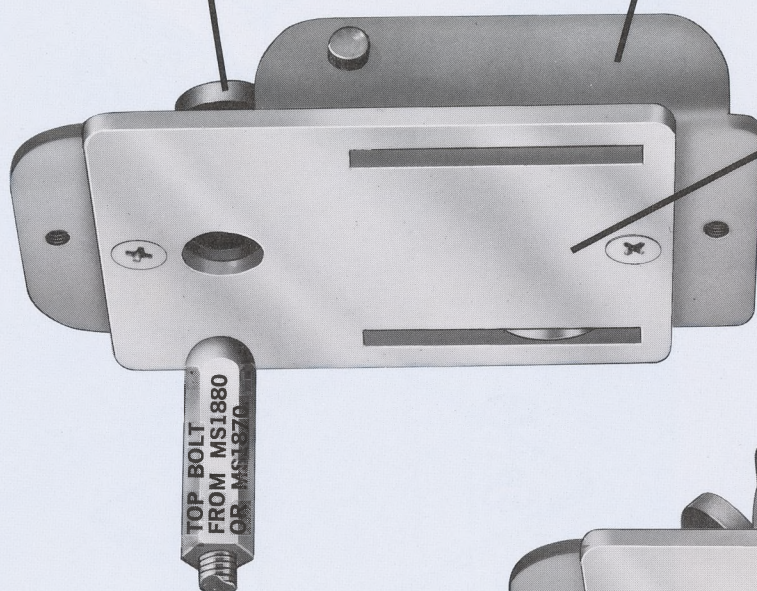
Steel with corrosion-resistant plating. $2\frac{7}{16}$ " X $4\frac{1}{2}$ " X $1\frac{1}{2}$ " deep. (Minimum header depth: $1\frac{3}{4}$ ".)

STRIKE/FACEPLATE

$2\frac{3}{4}$ " X $3\frac{1}{2}$ " with $\frac{1}{2}$ " dia. steel-reinforced armored strike for bolt from MS1880.

TRIM FINISH

628(US28) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black).



OPERATION

180° turn of MS1880 knob (or 360° turn of cylinder in MS1870) in inactive leaf actuates pivoted stop plate arm to project stop from header over active door. Stop retracts into header when inactive door is unlocked.

HANDING

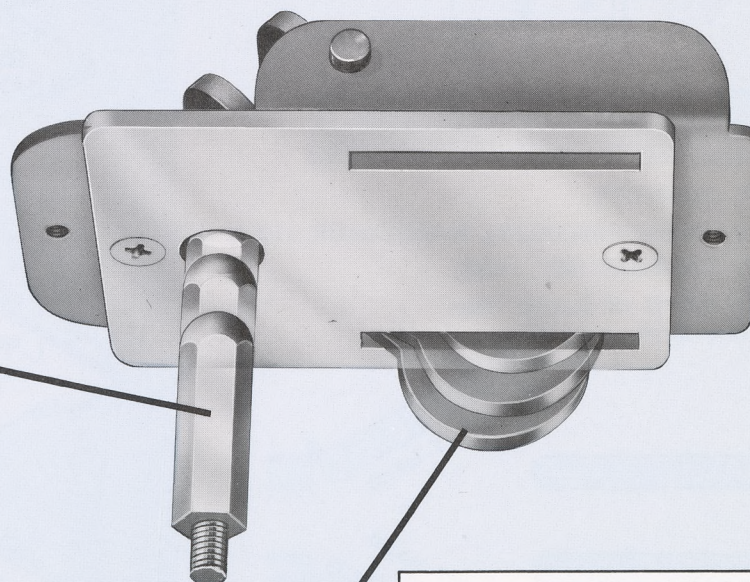
Although 1885 can be re-handed in the field quite easily, it is stocked pre-handed and can be specified for installation without alteration. See HOW TO ORDER, next page.

STOP PLATE

$1\frac{3}{16}$ " diameter. Hardened steel, plated for corrosion resistance.

STANDARD PACKAGE

Individually boxed with machine screws for mounting.



© 1971, 1973, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

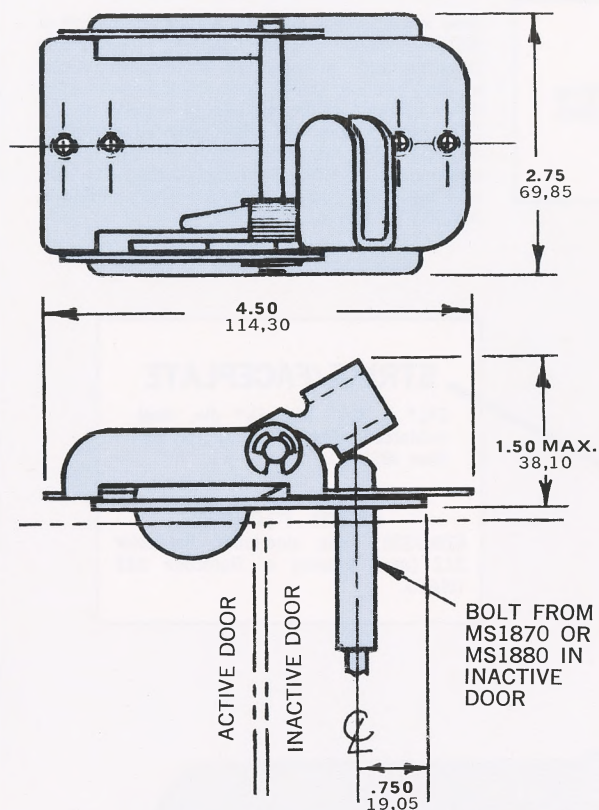
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-18B

1885 HEADER STOP

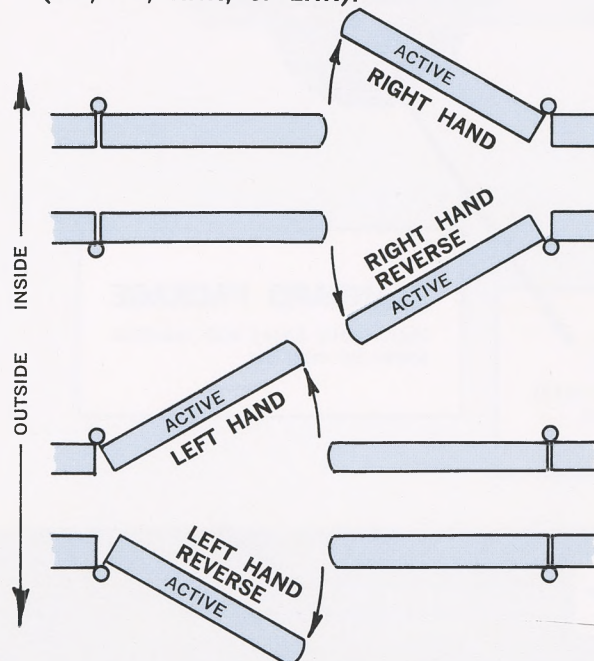
DIMENSIONS

INCHES
MILLIMETERS

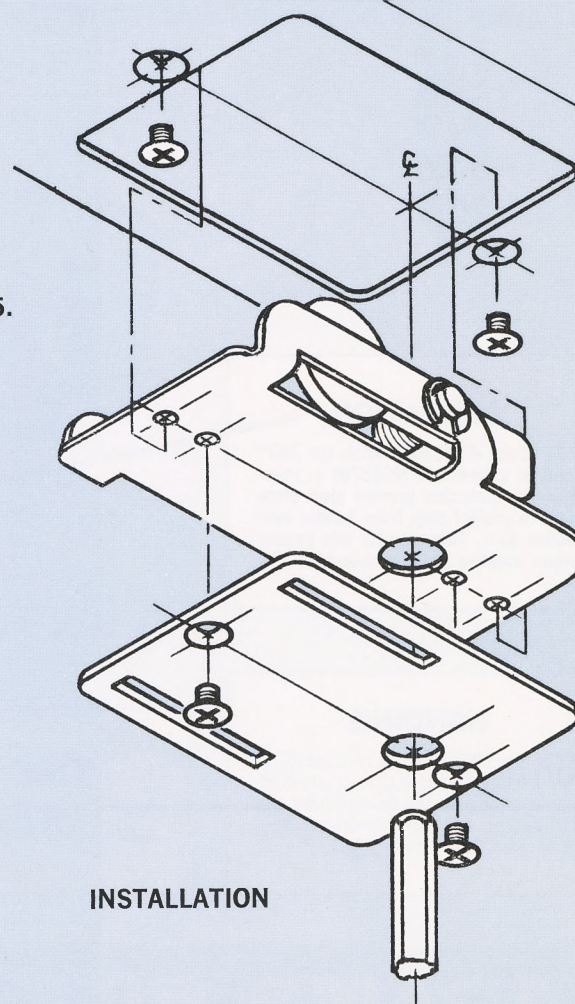
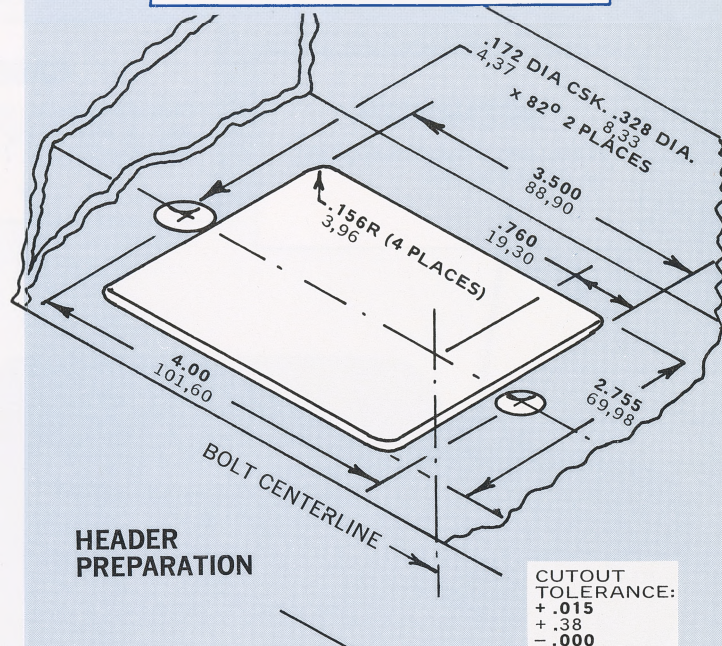


HOW TO ORDER

1. Specify QUANTITY.
2. Specify FINISH: 628(US28), HARDCOLOR 312 or 335.
3. Specify CATALOG NO. 1885.
4. Specify HAND of Active Door (RH, LH, RHR, or LHR).



INSTALLATION



ULTRA NARROW-STILE DEADLOCK MS1860

BHMA TYPE E8211

BACKSET

1" from lock mounting surface (rear web of stile).

BOLTS, CONNECTING RODS, GUIDES AND STRIKES NOT FURNISHED BUT AVAILABLE ON SPECIAL ORDER

MS1860
(ACTUAL SIZE)

BOLT THROW

11/16". Shown in thrown position.

FUNCTION:

For glass doors having vertical stiles with insufficient space for a locking mechanism but with a horizontal trim panel. For these ultra narrow-stile doors the MS1860 provides two-point security, using the same overcenter action mechanism as pivoted bolt M.S.® locks. The lock mechanism is housed in the trim panel with connecting links extended into the stile where vertical rods and bolts are attached.

OPERATION

360° turn of key (or thumbturn) throws or retracts header and threshold bolts. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1 5/32" mortise cylinder from either or both sides. Cylinder must have M.S. cam. (See catalog page SW 98.)

CASE

Steel with corrosion-resistant plating. 1" x 6" x 1-9/16".

PATENTED

STANDARD PACKAGE

Individually boxed with machine screws for mounting. Cylinder and/or thumbturn available at extra cost. Shipping weight: 2 lbs. Also available in a 25 unit pack for volume users.

© 1967, 1970, 1973, 1974, 1975 by

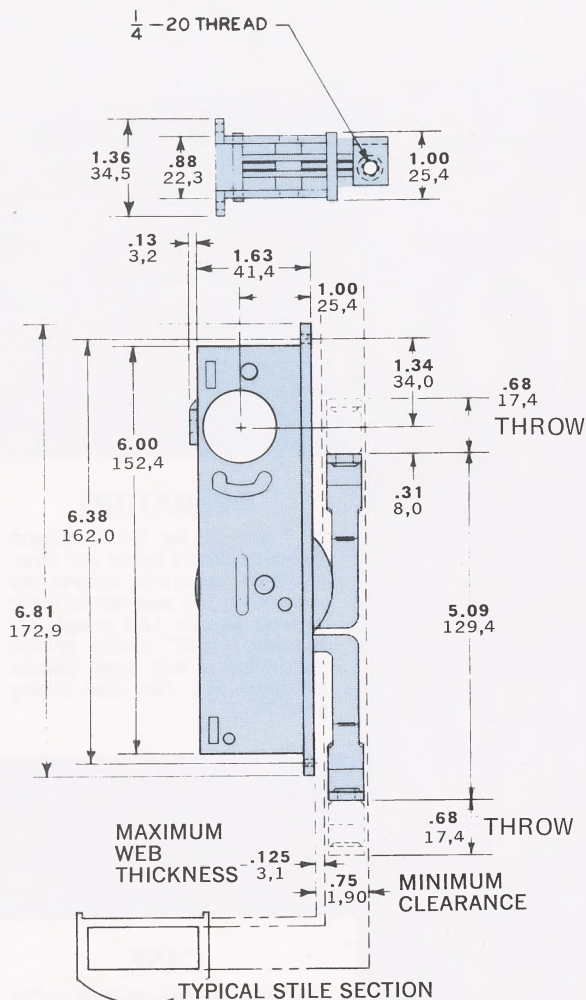
ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

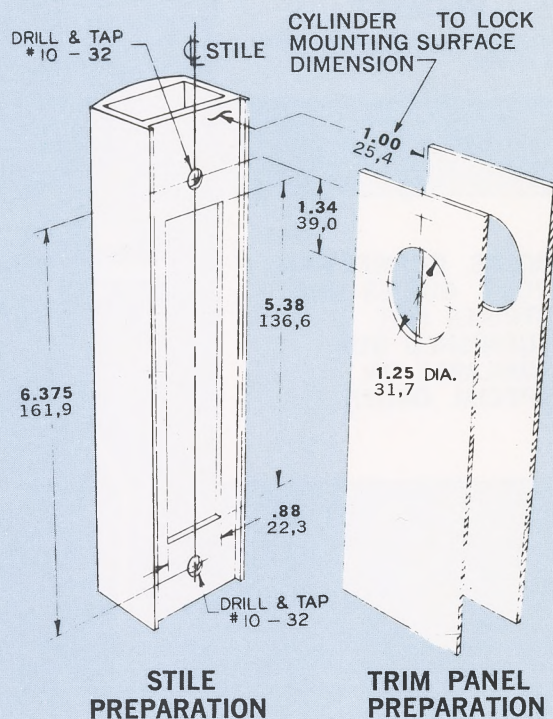
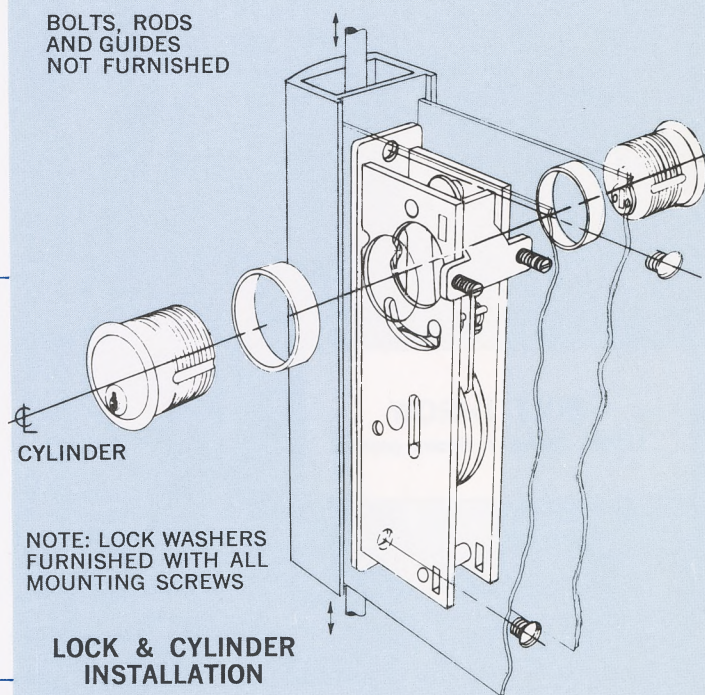
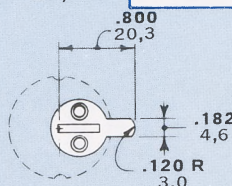
SW-20

MS1860 DEADLOCK**DIMENSIONS**INCHES
MILLIMETERS**HOW TO ORDER**

1. Specify QUANTITY.
2. Specify CATALOG NUMBER MS1860.

RELATED HARDWARE & ACCESSORIES

1. Cylinders available. Specify trim ring thickness (page SW-98).
2. Bolts, rods and guides available on special order to fit particular stile sections. Contact factory.

INSTALLATIONBOLTS, RODS
AND GUIDES
NOT FURNISHED± .005
± 0,13**CYLINDER CAM**

MS1860 Series Locks are operable by any standard 1 5/32" diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder mfrs.

See Page SW-98 for Cylinder Make & Trim Ring information.

BOTTOM-RAIL DEADLOCK MS1861

BHMA TYPE E8211

CASE

1" x 6" x 1 $\frac{13}{16}$ ". Steel, plated for corrosion resistance.

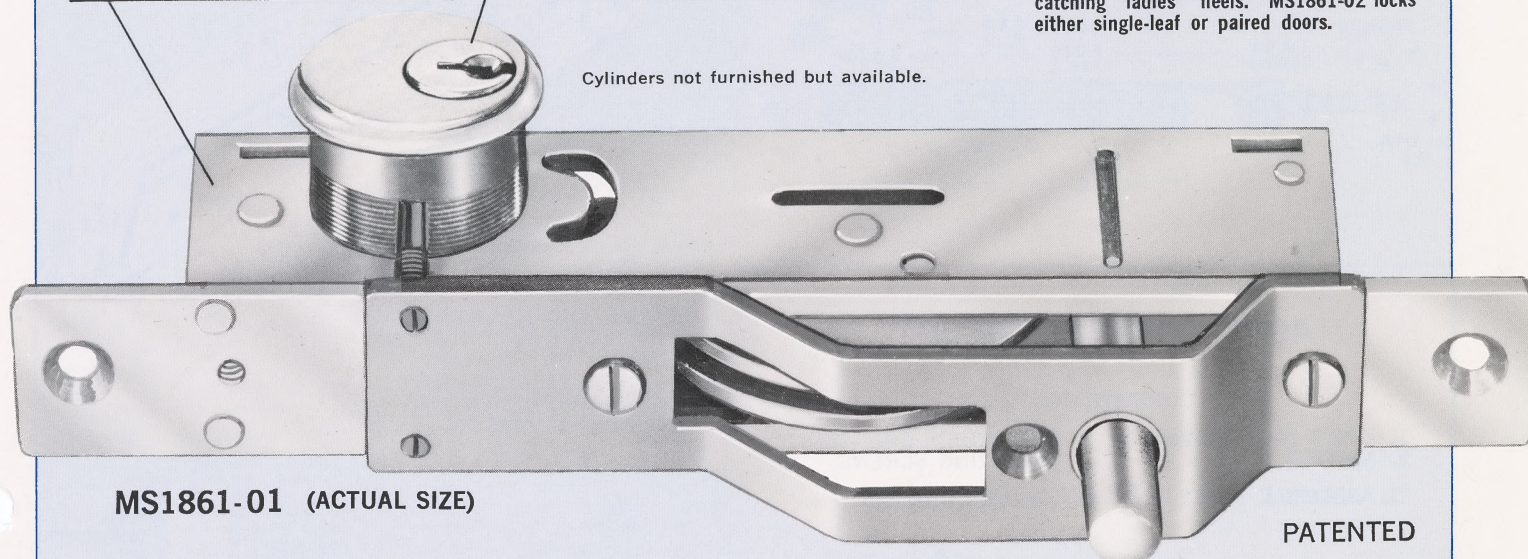
OPERATION

360° turn of key (or thumbturn) throws or retracts bolt(s). Key can be removed only when bolts are in a positively locked or unlocked position. Lock accepts any standard 1 $\frac{5}{32}$ " mortise cylinder from either or both sides. Cylinder cam must be special M.S. cam or standard cam cut to M.S. cam shape.

Cylinders not furnished but available.

FUNCTION:

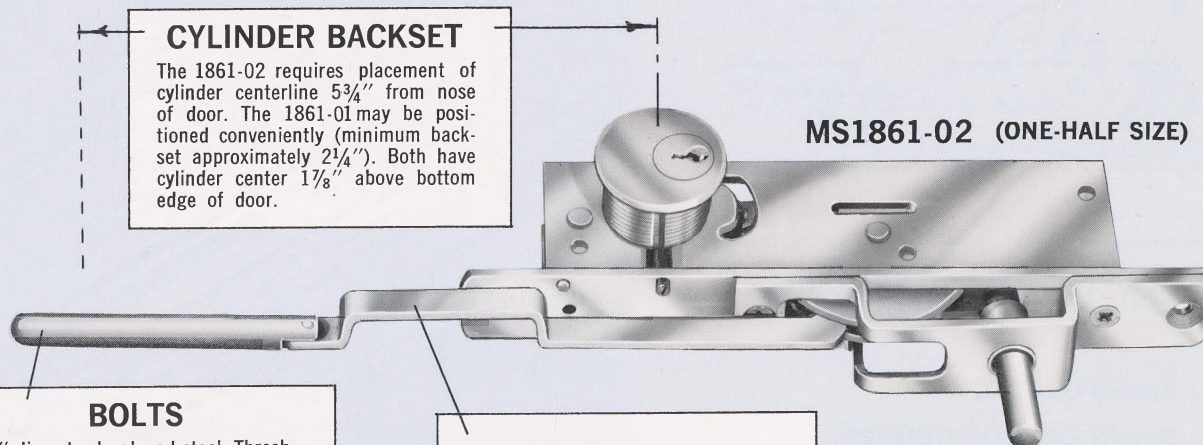
Using the same overcenter/pivot locking mechanism as the basic M.S.® deadlock, the Adams Rite MS1861 lies horizontally in the bottom rail of ultra-narrow stile doors (which have insufficient vertical space for a lock) and tempered glass doors (which have no stile at all). The hardened steel cylindrical bolts allow simple drilled strike holes of a relatively small size to minimize the nuisance and danger presented by some threshold strikes in collecting debris and catching ladies' heels. MS1861-02 locks either single-leaf or paired doors.



CYLINDER BACKSET

The 1861-02 requires placement of cylinder centerline 5 $\frac{3}{4}$ " from nose of door. The 1861-01 may be positioned conveniently (minimum backset approximately 2 $\frac{1}{4}$ "). Both have cylinder center 1 $\frac{7}{8}$ " above bottom edge of door.

MS1861-02 (ONE-HALF SIZE)



BOLTS

$\frac{3}{8}$ " diameter hardened steel. Threshold (vertical) bolt has 1 $\frac{3}{16}$ " throw. Horizontal bolt throw: 1 $\frac{1}{8}$ ".

STRIKES

In metal installations, $\frac{7}{16}$ " drilled holes in threshold and (for MS1861-02) in jamb or opposite door are required. For wood, metal plate with $\frac{7}{16}$ " hole must be provided for each bolt.

CONVERSION KIT

To convert MS1861-01 to MS1861-02, Kit 4414 provides horizontal bolt assembly with guide and attachment fittings.

STANDARD PACKAGE

Individually boxed with mounting screws. Cylinders and thumbturns available at extra cost. Shipping weight: MS1861-01, 1 $\frac{3}{4}$ lbs.; MS1861-02, 2 lbs.

© 1967, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

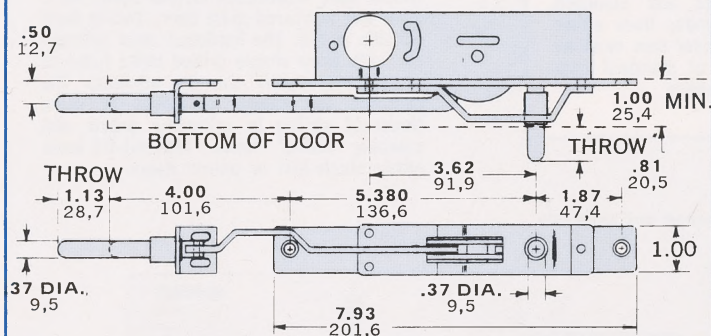
SW-22

MS1861 DEADLOCKS

DIMENSIONS

 INCHES
MILLIMETERS

UNIT ILLUSTRATED IS MS1861-02. (BOTH HORIZONTAL & VERTICAL BOLTS INCLUDED.) CATALOG NUMBER FOR VERTICAL BOLT OPERATION ONLY IS MS1861-01. CONVERSION KIT NO. 4014 AVAILABLE TO CONVERT MS1861-01 to MS1861-02. SEE BELOW:

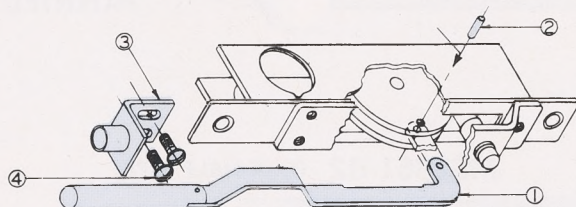


4014 CONVERSION KIT

CONSISTS OF

1. ARM & BOLT ASSEMBLY.
2. ASSEMBLY PIN.
3. BOLT GUIDE BRACKET.
4. MOUNTING SCREWS.

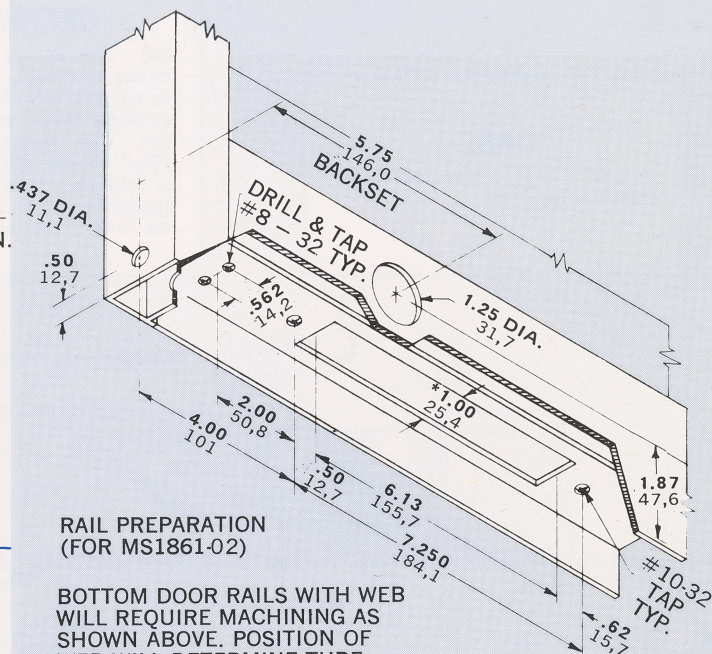
TO ASSEMBLE, PRESS PIN THROUGH DISC AND ARM.



HOW TO ORDER

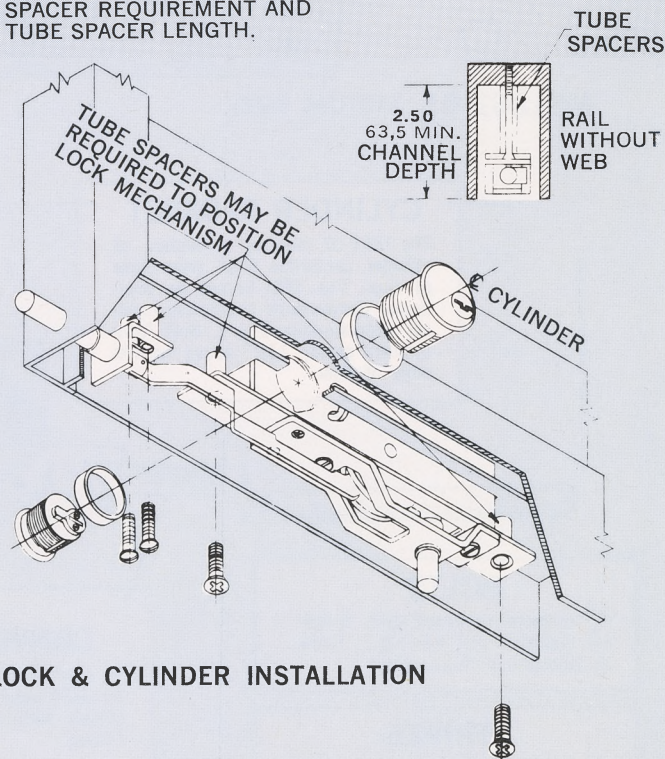
1. Specify QUANTITY.
2. Specify CATALOG NUMBER.
MS1861-01 for vertical bolt operation only. MS1861-02 for both horizontal and vertical. If only conversion kit is required, specify 4014.
3. If cylinders are required, specify keying and trim ring thickness (see page SW-98).
4. If tube spacers are required, specify QUANTITY and LENGTH.

INSTALLATION



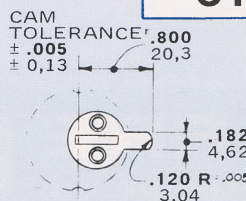
RAIL PREPARATION
(FOR MS1861-02)

BOTTOM DOOR RAILS WITH WEB WILL REQUIRE MACHINING AS SHOWN ABOVE. POSITION OF WEB WILL DETERMINE TUBE SPACER REQUIREMENT AND TUBE SPACER LENGTH.



LOCK & CYLINDER INSTALLATION

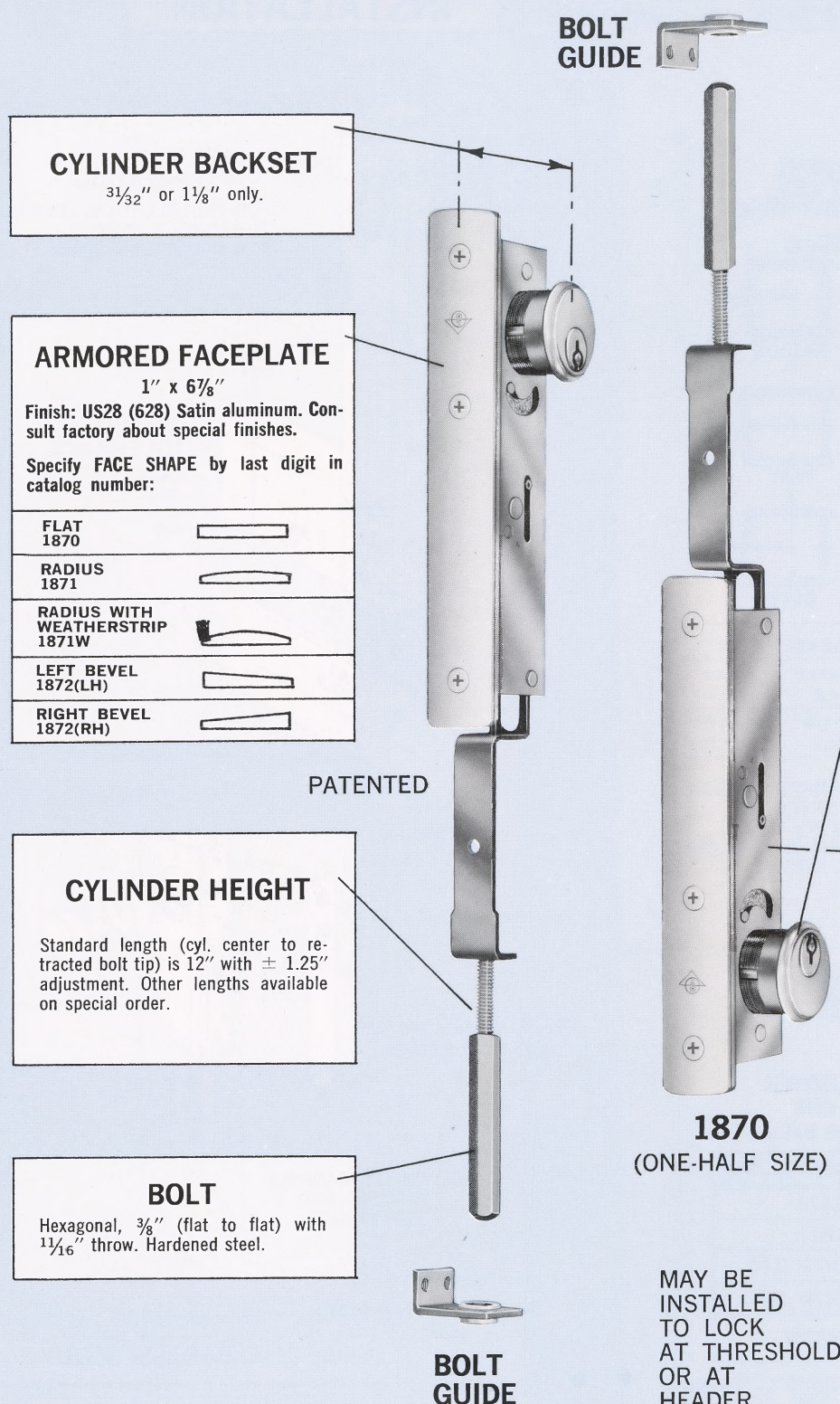
CYLINDER CAM



MS1861 Series Locks are operable by any standard 1 5/32" diameter mortise cylinder with special M.S. cam dimensioned as above. Cylinders with M.S. cams can be readily obtained from most cylinder mfrs.

See Page SW-98 for Cylinder Make & Trim Ring information.

CYLINDER-OPERATED FLUSHBOLT SERIES 1870



FUNCTION:

Designed for use instead of conventional flip-lever operated flushbolts, the 1870 gives building management key control of the inactive leaf of paired doors. Prevents casual locking of the inactive leaf by children or other unauthorized persons. Uses same basic overcenter action mechanism as M.S.[®] pivoted bolt locks. Recommended for installation at both top and bottom of inactive door with MS1851A in active door for greatest security.

OPTIONS:

Cylinder Backset and Faceplate Shape (radius, flat or bevel cross-section to match door nose) must be specified.

OPERATION

360° turn of key throws or retracts hardened hex-section bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Accepts any standard $1\frac{5}{32}"$ mortise cylinder from either or both sides. Cylinder must have M.S. cam. (See catalog page SW-98.)

CASE

Steel with corrosion-resistant plating. $1" \times 6" \times$ depth. (Depth varies with backset. See table next page.)

STRIKE

$\frac{1}{2}"$ diameter hole in metal threshold or header is suitable or, for non-metal installations, HD 28 strike is available.

STANDARD PACKAGE

Basic lock mechanism boxed with actuator arm attached, rod/bolt assembly unattached. Bolt guide, mounting screws and installation instructions included. Cylinders available at extra cost. Shipping weight: $1\frac{1}{4}$ lbs.

© 1967, 1972, 1974, 1976 by

ADAMS RITE
 MANUFACTURING CO.



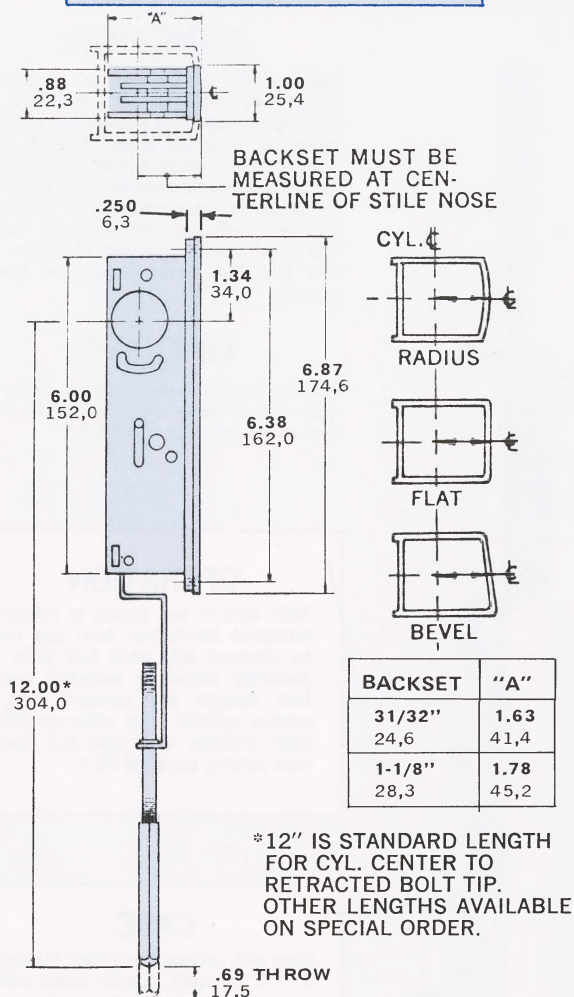
4040 SOUTH CAPITOL AVENUE
 POST OFFICE BOX 1301
 CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-24

1870 CYL. OPERATED FLUSHBOLT

DIMENSIONS

INCHES
MILLIMETERS

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies lock with specific faceplate. See below:

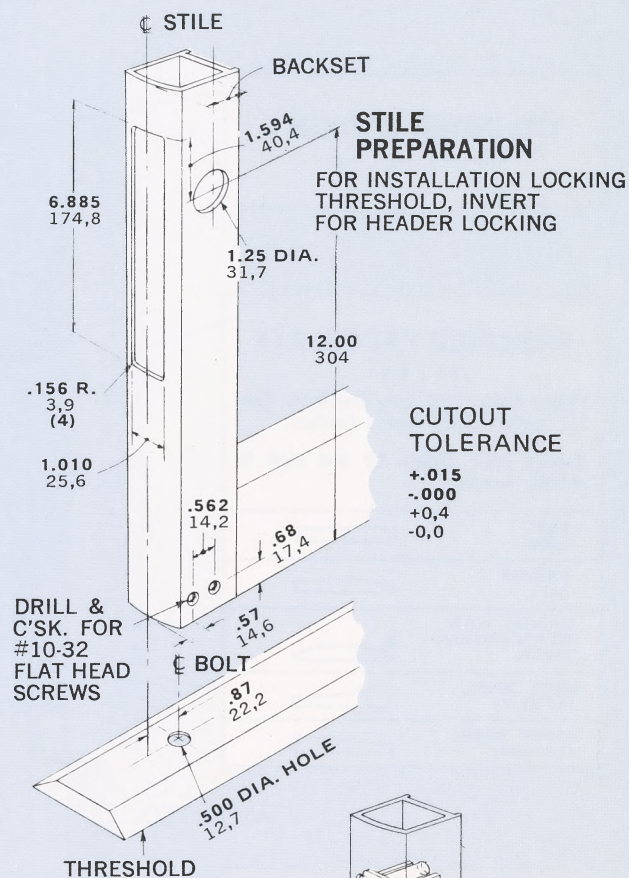
	FACEPLATE	CATALOG NO.
HQ168-0	FLAT	1870
HQ168-1	RADIUS	1871
HQ168-2	LEFT BEVEL	1872 (LH)
HQ168-3	RIGHT BEVEL	1872 (RH)
HQ168-4	RADIUS WITH WEATHERSTRIP	1871W

3. Specify BACKSET: $\frac{31}{32}$ " or $1\frac{1}{8}$ ".

RELATED HARDWARE & ACCESSORIES

1. Strike HD28 available for wood.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.

INSTALLATION



CUTOUT TOLERANCE

+0.015
-0.000
+0.4
-0.0

LOCK & CYLINDER INSTALLATION

NOTE: MACHINE SCREWS ARE FURNISHED.

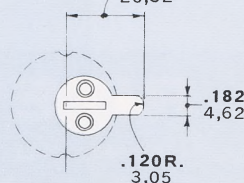
See Page SW-100 for Lock Mounting Methods.

FOR SECURITY, INSTALL BOLT GUIDE FROM INTERIOR OF DOOR.

CYLINDER CAM

1870 Series Locks are operable by any standard $1\frac{1}{32}$ " diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder mfrs.

CAM TOLERANCE:
 $\pm .005$
 ± 0.13



DEADLOCK 4070

BHMA TYPE E8211

CYLINDER BACKSET

Specify: $\frac{7}{8}$ ", $\frac{31}{32}$ " or $\frac{11}{8}$ " only.
(Measured from centerline of face-plate to centerline of cylinders.)

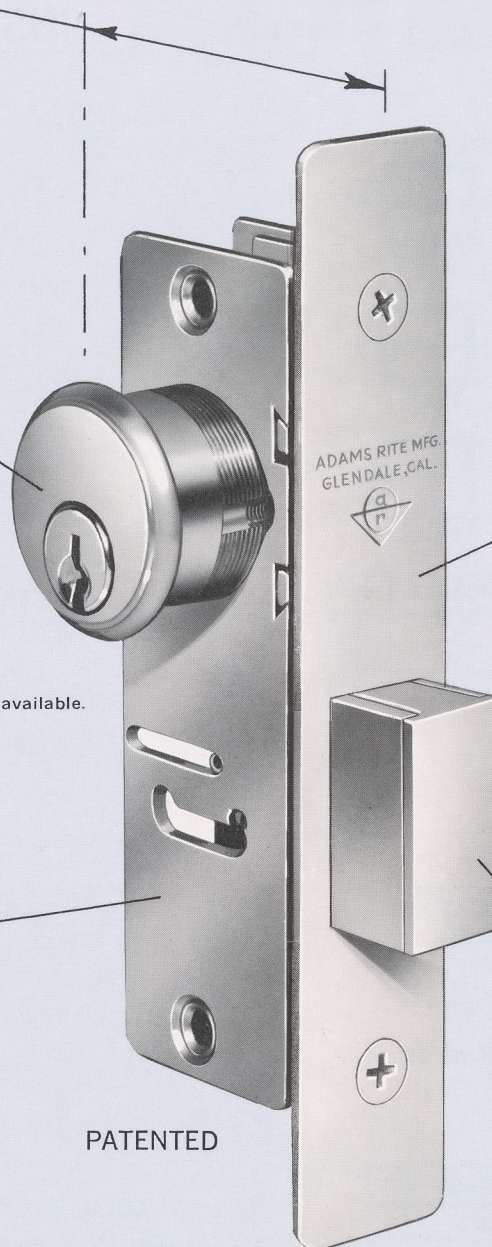
OPERATION

180° turn of key (or thumbturn) projects or retracts bolt. Accepts any standard $1\frac{5}{32}$ " mortise cylinder from either or both sides. Cylinder must have cam to fit. (See page SW-98.)

Cylinders not furnished but available.

CASE

Steel, plated for corrosion resistance. $\frac{27}{32}$ " x $4\frac{1}{2}$ " depth. (Depth varies with backset. See table next page.)



4070

(ACTUAL SIZE)

FUNCTION:

For installations where the long-throw M.S.® deadlock cannot be accommodated, the smaller 4070 offers the longest practical throw for a conventionally projected bolt from a narrow stile. Operates with one-half key turn of any standard mortise type cylinder or cylinder type thumbturn. Interchangeable with 4540 series deadlatch of same backset. Not recommended for top or bottom rail.

OPTIONS:

Cylinder Backset and Faceplate Shape (radius, flat or bevel cross-section to match door nose) must be specified.

ARMORED FACEPLATE

1" x $5\frac{5}{8}$ "

Finish: US28 (628) Satin aluminum. Consult factory about special finishes.

Specify FACE SHAPE by last digit in catalog number:

FLAT 4070	
RADIUS 4071	
LEFT BEVEL 4072(LH)	
RIGHT BEVEL 4072(RH)	

BOLT

$\frac{5}{8}$ " x $1\frac{1}{4}$ " x $\frac{5}{8}$ " throw.

STRIKE

In metal installations, a slot in jamb serves as strike. Deluxe trim strike 4170, available for wood installations, measures 1" x $2\frac{3}{4}$ ".

STANDARD PACKAGE

Individually boxed with machine screws for mounting. Cylinders and thumbturns available at extra cost. Shipping weight: $\frac{1}{2}$ lb. Also available in 25 unit pack for volume users.

© 1967, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.

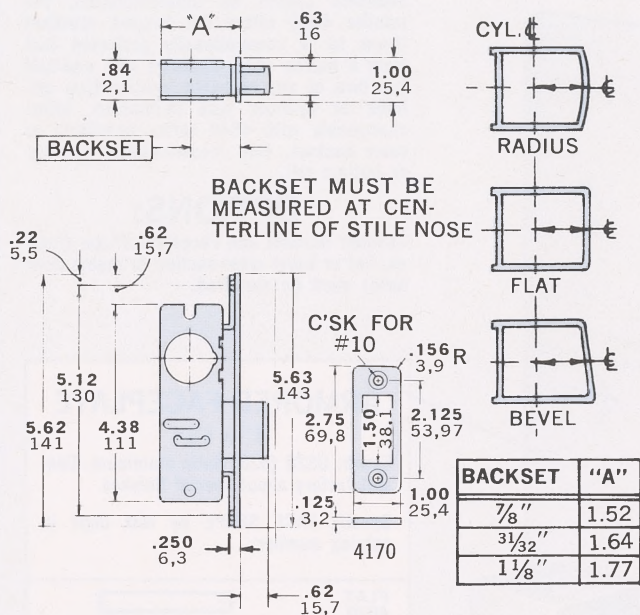


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

4070 DEADLOCKS

DIMENSIONS

INCHES
MILLIMETERS

HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which identifies lock with specific faceplate. See below:

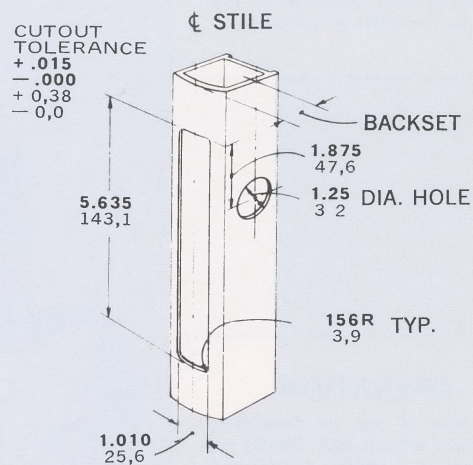
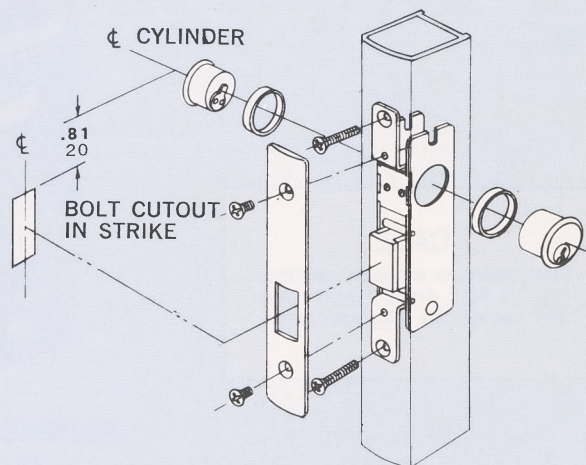
	FACEPLATE	CATALOG NO.
HQ136-00	FLAT	4070
HQ136-10	RADIUS	4071
HQ136-20	LEFT BEVEL	4072 (LH)
HQ136-30	RIGHT BEVEL	4072 (RH)

3. Specify **BACKSET**:
7/8", 31/32" or 1 1/8" only.
4. Specify Trim strike plate 4170 if required.

RELATED HARDWARE & ACCESSORIES

1. Cylinders. Page SW-97.
2. Cylinder Guard. Page SW-13.

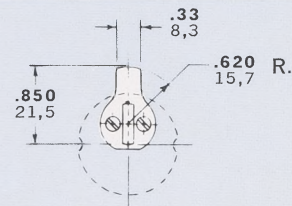
INSTALLATION

STILE PREPARATION
(IDENTICAL TO 4540 DEADLATCH)

LOCK & CYLINDER INSTALLATION

See Page SW-100 for Lock Mounting Methods

CYLINDER CAM



4070 Series Locks are operable by any standard 1 1/32" diameter mortise cylinder with cam dimensioned as shown.

See Page SW-98 for Cylinder Make & Trim Ring information.

DEADLATCH SERIES 4510

CYLINDER BACKSET

$\frac{7}{8}$ ", $\frac{31}{32}$ ", $1\frac{1}{8}$ " and $1\frac{1}{2}$ " only.

STRIKE

Standard strike furnished is 4502-1 for flat jamb. For dimensions of this as well as radiused and/or larger strikes, see page SW-31. See electric release strikes Series 7500, 7510 and 7530.

BHMA TYPE E8231

Cylinders and Lever Handles not furnished but available.

ADAMS RITE MFG. CO.

FUNCTION:

Flexibility of traffic control during and after business hours is offered by Series 4510 deadlatches. Like the 4350 latches they supersede, these new latches offer a key-controlled bolt holdback feature. A reverse turn of the key (while bolt is held retracted) retains the bolt to allow two-way traffic for hospitals, banks, stores and other buildings which require free entrance at times and exit-only at other times. Interchangeable, without stile modification, with any MS 1850A deadlock of same backset and face-plate shape. Note: does not provide maximum security of M.S. lock. Uses any standard mortise cylinder with M.S. cam. (See page SW-98.)

OPTIONS:

Specify Backset, Face shape, Finish and Handing. If other than standard strike is required, order separately. See handles (Pg. SW-33 and SW-32A).

OPERATION

Turn key or operate handle to retract spring-loaded latch bolt. To hold bolt retracted, push it in and secure by reverse turn of key. (See "BOLT HOLD-BACK" next page.)

LATCH BOLT

$\frac{5}{8}$ " x 1" x $\frac{1}{2}$ " throw. Chrome plated zinc alloy with hardened steel internal pins and Delrin plastic insert for smooth, quiet strike engagement. Handing easily reversible without special tools.

AUXILIARY BOLT

Delrin plastic. Deadlocks latch bolt to prevent "loiding" or case-knife entry.

CASE

1" x $5\frac{1}{16}$ " x depth. (Case depth varies with backset. See table next page.)

STANDARD PACKAGE

Individually boxed with strike and machine screws for mounting. Cylinder and/or handle available at extra cost. Shipping weight: $1\frac{1}{4}$ lbs. Also available in a 25 unit pack for volume users.

4502-1
STRIKE
FURNISHED

4511
DEAD-
LATCH

PATENTED

ARMORED FACEPLATE

TRIM FINISH: 628 (US28) Satin aluminum, anodized, and Hardcolor Nos. 312 and 335. For other finish availability, contact factory. Specify FACE SHAPE by last digit in catalog number:

4510	FLAT
4511	RADIUS
4511W	RADIUS WITH WEATHERSTRIP
4512 (RH)	RIGHT BEVEL
4512 (LH)	LEFT BEVEL

OTHER LATCH SIZES AVAILABLE:

	4520ANSI See p. SW-29	4530 See p. SW-28A
FACE SIZE:	$1\frac{1}{4}$ " x 8"	$1\frac{1}{4}$ " x $7\frac{1}{32}$ "
LATCH SUPERSEDED:	—	4250
LOCK INTERCHANGE:	MS1850ANSI	MS1850

© 1969, 1973, 1975 by

ADAMS RITE
MANUFACTURING CO.

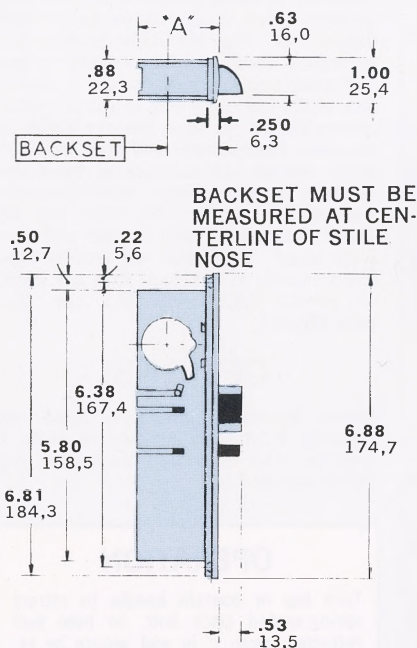


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

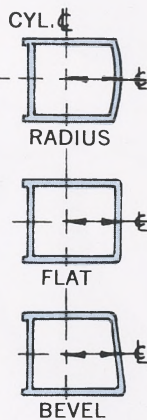
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4510 DEADLATCHES

DIMENSIONS

INCHES
MILLIMETERS

SHOWN RIGHT HAND. HANDING REVERSIBLE BY REMOVING BOLT AND REINSTALLING FOR OPPOSITE HAND.



BACKSET	"A"
7/8"	1.51
22,2	38,1
31/32"	1.60
24,6	40,6
1-1/8"	1.76
28,3	44,7
1-1/2"	2.14
38,1	54,3

HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which identifies latch with specific faceplate. See below:

	FACEPLATE	CATALOG NO.
HQ139-0220	FLAT	4510
HQ139-1220	RADIUS	4511
HQ139-2220	LEFT BEVEL	4512 (LH)
HQ139-3220	RIGHT BEVEL	4512 (RH)
HQ139-4220	RADIUS WITH WEATHERSTRIP	4511W

3. Specify **BACKSET**: 7/8", 31/32", 1 1/8" or 1 1/2".
4. Specify **HANDING**: RH, LH, RHR or LHR.
5. Specify **FINISH**.

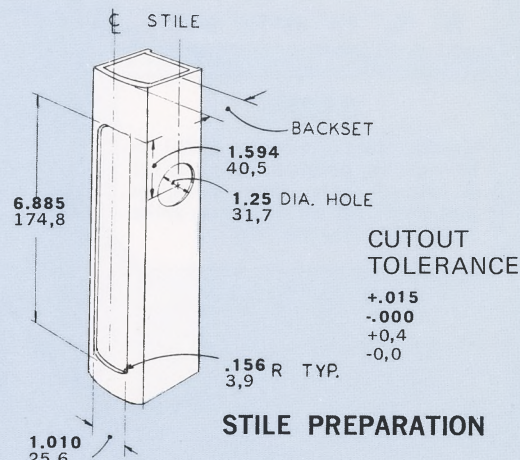
EXAMPLE: 4511-1 1/8 RH-628

5. Specify **STRIKE**: if other than 4502-1. (Page SW-31).

RELATED HARDWARE & ACCESSORIES

1. Handles. Page SW-33 and SW-32A.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Strikes. Page SW-31, SW-35/36J.

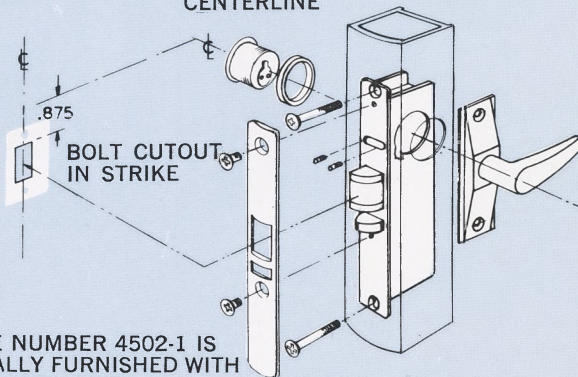
INSTALLATION



STILE PREPARATION

(IDENTICAL TO MS1850A SERIES) SEE ALSO PREPARATION FOR HANDLES, PAGES SW-33, SW-32A.

CYLINDER CENTERLINE

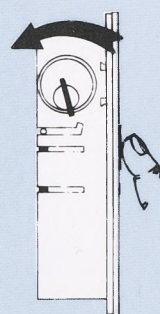


LATCH, HANDLE & CYLINDER INSTALLATION

STRIKE NUMBER 4502-1 IS NORMALLY FURNISHED WITH 4510 DEADLATCH
SEE 4500 SERIES STRIKES FOR OPTIONS.

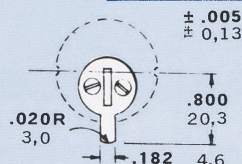
See Page SW-100 for Lock Mounting Methods

BOLT HOLDBACK



A REVERSE TURN OF THE KEY (WHILE BOLT IS HELD FULLY RETRACTED) RETAINS THE BOLT, ALLOWING THE DOOR TO BE FREE SWINGING.

CYLINDER CAM



4510 Series Latches are operable by any standard 1 5/32" diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder mfrs.

See Page SW-98 for Cylinder Make & Trim Ring information.

REPLACEMENT LATCH SERIES

4530

BHMA TYPE E8231

BACKSET

 $\frac{7}{8}$ ", $31/32$ ", $1\text{-}\frac{1}{8}$ " only.CYLINDERS AND
HANDLES NOT
FURNISHED BUT
AVAILABLE.

OPERATION

Turn key or operate handle to retract spring-loaded latch bolt. To hold bolt retracted, push it in and secure by reverse turn of key.

CASE

1" x $5\frac{1}{16}$ " x depth. (Case depth varies with backset. See table next page.)

STRIKE

Standard strike furnished is 4501-1 for flat jamb. For dimensions of this as well as radiused and/or short strikes, see page SW-31. See electric release strikes Series 7500, 7530, 7520ANSI and 7510.

PATENTED

4530
DEADLATCH

FUNCTION

Series 4530 deadlatches are designed to fit, without alteration, the stile cutout for Series MS1850 (not MS1850A) deadlocks of same backset. They do not provide the maximum security level of the M.S. deadlock however, and should not be considered a functional replacement. Also replace, without alteration, older Series 4250 latches.

OPTIONS:

Specify Backset, Face shape, Finish and Handing. If other than standard strike is required, order separately. See handles (Pg. SW-33 and SW-32A).

LATCH BOLT

$\frac{5}{8}$ " x 1" x $\frac{1}{2}$ " throw. Chrome plated zinc alloy with hardened steel internal pins and Delrin plastic insert for smooth, quiet strike engagement. Handing easily reversible without special tools.

AUXILIARY BOLT

Delrin plastic. Deadlocks latch bolt to prevent "loiding" or case-knife entry.

ARMORED FACEPLATE

TRIM FINISH: 628 (US28) Satin aluminum, anodized, and Hardcolor Nos. 312 and 335. For other finish availability, contact factory. Specify FACE SHAPE by last digit in catalog number:

4530		FLAT
4531		RADIUS
4532 (RH)		RIGHT BEVEL
4532 (LH)		LEFT BEVEL

STANDARD PACKAGE

Individually boxed with strike and machine screws for mounting. Cylinder and/or handle available at extra cost. Shipping weight: $1\frac{1}{4}$ lbs.

© 1969, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

REPLACEMENT DEADLATCHES

DIMENSIONS

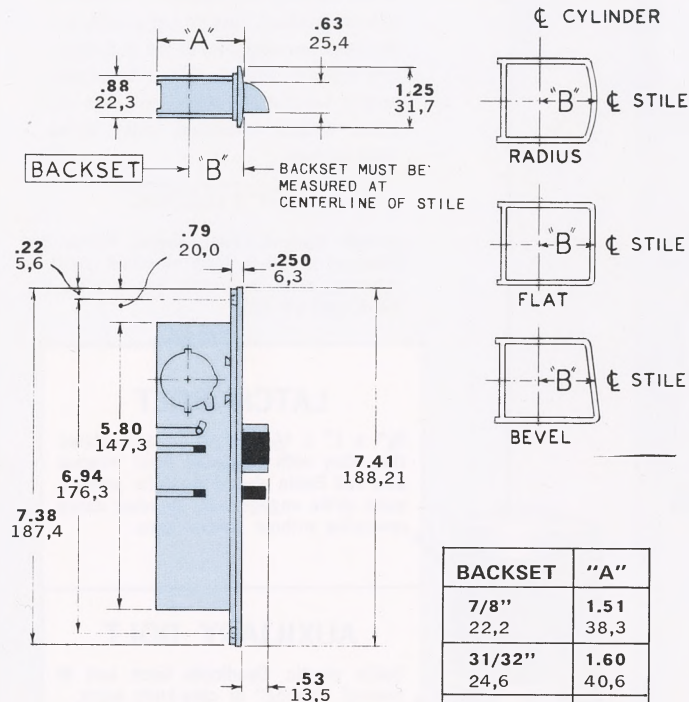
INCHES
MILLIMETERS

INSTALLATION

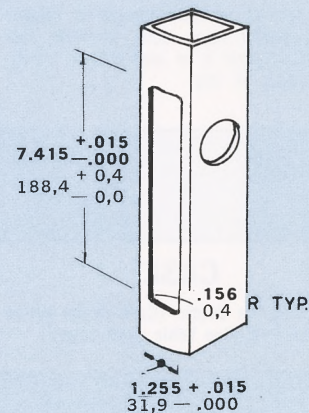
STILE PREPARATION REQUIRED:

TO REPLACE MS1850 LOCK OR OLD
4250 LATCH OF SAME BACKSET:
NO PREPARATION REQUIRED

TO REPLACE 4070 LOCK, OLD 4050
LATCH, 970 LOCK OR 1450 LATCH
OF SAME BACKSET:



REMOVE



HOW TO ORDER

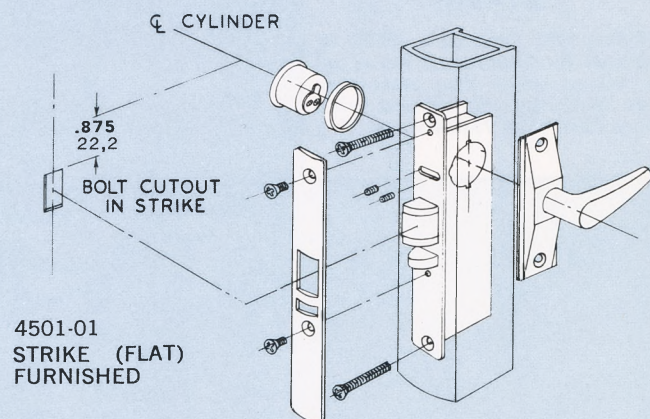
1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which identifies latch with specific faceplate. See Below:

FACEPLATE		
HQ147-020	FLAT	4530
HQ147-120	RADIUS	4531
HQ147-220	LEFT BEVEL	4532 (LH)
HQ147-320	RIGHT BEVEL	4532 (RH)

3. Specify **BACKSET**: 7/8", 31/32", or 1 1/8".
4. Specify **HANDING**: RH, LH, RHR or LHR.
5. Specify **STRIKE**: if other than standard flat type furnished.

RELATED HARDWARE

1. Handles. Page SW-33.
2. Cylinders. Page SW-97.
3. Strikes. Page SW-31.
4. Paddle. Page SW-32A



See Page SW-31 for Strike Details.
See Page SW-100 for Lock Mounting Methods.

BOLT HOLDBACK See Page SW-28

CYLINDER CAM See Page SW-28

DEADLATCH SERIES 4520ANSI

CYLINDER BACKSET

1½" only.

ARMORED FACEPLATE

TRIM FINISH: US28 (628) Satin aluminum, anodized. Specify FACE SHAPE by last digit in catalog number:

FLAT:

4520ANSI

RADIUS:

4521ANSI

LEFT BEVEL:

4522ANSI (LH)

RIGHT BEVEL:

4522ANSI (RH)

STRIKE

Brass, US26D (626) Satin chrome finish. Furnished to ANSI preparation spec. for flat jamb. For other size strikes available separately, see 4501 and 4502. For electric strikes, see 7500, 7530 7520ANSI and 7510.

BHMA TYPE E8231

FUNCTION:

For hollow metal or wood doors prepared for hardware according to the specifications of the American National Standards Institute, the 4520 deadlatches provide precise traffic control. A key-controlled bolt hold-back feature allows a door to be free-swinging part of the day and exit only when the bolt is free to latch. This allows a "jocked" entrance to be used as an exit by customers or visitors already in the building. Interchangeable, without stile or jamb modification, with any MS1850 ANSI deadlock of same faceplate shape.

OPTIONS:

Specify faceplate shape. Specify handing.

OPERATION

Turn key or lever handle to retract spring-loaded latch bolt. To hold bolt retracted, push it in and secure by reverse turn of key. (See "BOLT HOLD-BACK" next page.)

LATCH BOLT

5/8" x 1" x 1½" throw. Chrome plated zinc alloy with hardened steel internal pins and Delrin® plastic insert for smooth, quiet strike engagement. Handing easily reversible without special tools.

AUXILIARY BOLT

Delrin® plastic. Deadlocks latch bolt to prevent "loiding" or case-knife entry.

CASE

1" x 5¼" x 2½". Steel, plated for corrosion resistance.

STANDARD PACKAGE

Individually boxed with strike and machine screws for mounting. Cylinder and/or handle available at extra cost. Shipping weight: 1¼ lbs. Also available in a 25 unit pack for volume users.

PATENTED

© 1967, 1970, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



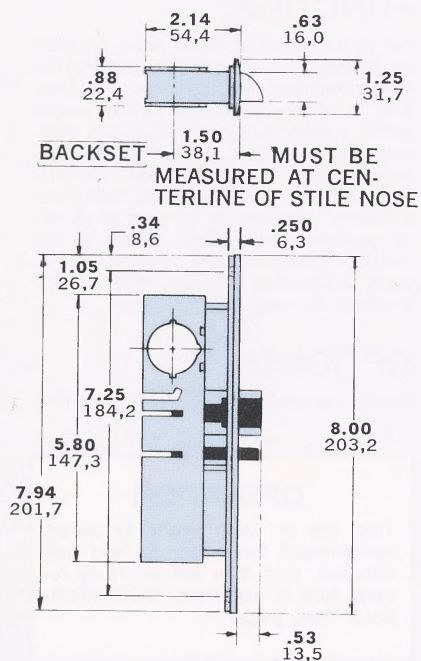
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4520ANSI DEADLATCHES

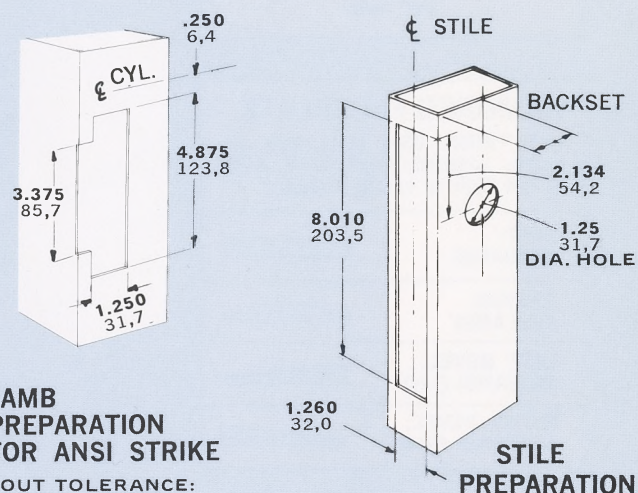
DIMENSIONS

INCHES
MILLIMETERS



LOCK SHOWN RIGHT HAND. HANDING REVERSIBLE BY REMOVING BOLT AND REINSTALLING FOR OPPOSITE HAND.

INSTALLATION

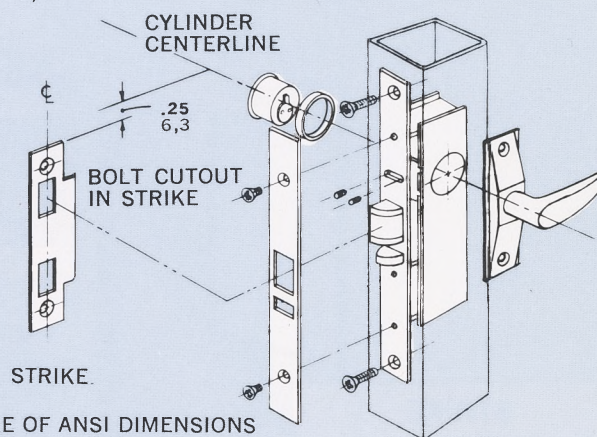


JAMB PREPARATION FOR ANSI STRIKE

CUTOUT TOLERANCE:

+0.015
-0.000
+0.4
-0.0

(IDENTICAL TO MS1850ANSI SERIES)
SEE ALSO PREPARATION FOR HANDLE



*STRIKE OF ANSI DIMENSIONS
NORMALLY FURNISHED WITH
4520 DEADLATCH.
SEE 4500 AND 7500 SERIES
STRIKES FOR OPTIONS

LATCH, HANDLE & CYLINDER INSTALLATION

See Page SW-100 for Lock Mounting Methods

HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which identifies latch with specific faceplate. See below:

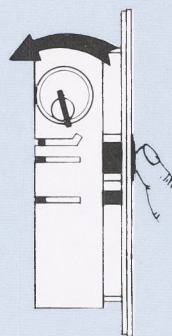
	FACEPLATE	CATALOG NO.
HQ246-00	 FLAT	4520ANSI
HQ246-01	 RADIUS	4521ANSI
HQ246-02	 LEFT BEVEL	4522ANSI (LH)
HQ246-03	 RIGHT BEVEL	4522ANSI (RH)

3. Specify **HANDING**: RH, LH, RHR or LHR.
4. Specify **STRIKE** if other than **ANS** type. (See page SW-31.)

RELATED HARDWARE & ACCESSORIES

1. Handles. Page SW-33 & SW-32A
2. Cylinders. Page SW-97.
3. Strikes. Page SW-31.
4. Electric Strikes. Pages SW-35 thru 36J.

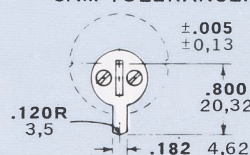
BOLT HOLDBACK



A REVERSE TURN OF THE KEY (WHILE BOLT IS HELD FULLY RETRACTED) RETAINS THE BOLT, ALLOWING THE DOOR TO BE FREE SWINGING.

CYLINDER CAM

CAM TOLERANCE:



4520ANSI Series Latches are operable by any standard $1\frac{5}{32}$ " diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders for M.S. cams can be readily obtained from most cylinder mfrs.

See Page SW-98 for Cylinder Make & Trim Ring information.

LATCH STRIKES

4501, 4502

FUNCTION:

Designed for use in conjunction with Series 4500 deadlatches, these strikes offer a choice of mounting methods: a back-up mounting plate included with the 4501 and 4502 allows installation flush in a hollow section jamb. For wood jambs, the mounting plate can be discarded and the strike plate and dust box mortised in. HD 49 and HD 50 are strike plates without dust box or back-up mounting plate, for mounting on jamb surface or on tube spacers to the back web of a hollow jamb. All strikes are unhande, suitable for right or left hand doors. Strike plate material is stainless steel, satin buffed.

4501-01

Standard flat strike furnished with Series 4530 deadlatches. Includes molded black plastic dust box (which also closes unused lower strike opening) and steel mounting plate. Long face designed to fill strike area of M.S.® deadlocks with which these latches are interchangeable.

4501-02

Same as 4501-01 except RADIUS strike plate (for nose of opposite door when latching pairs).

4501-01 (ACTUAL SIZE)

DUST
BOX

HD 49-01

FLAT long strike plate alone, without dust box or mounting plate.

HD 49-02

RADIUS long strike plate alone, without dust box or mounting plate.

4502-01 (ACTUAL SIZE)

4502-01

Standard flat strike with Series 4510, 4540 and 4550 deadlatches. Includes molded black plastic dust box and steel mounting plate. Shorter than 4501.

4502-02

Same as 4502-01 except RADIUS strike plate (for nose of opposite door when latching pairs).

HD 50-01

FLAT short strike plate alone, without dust box or mounting plate.

HD 50-02

RADIUS short strike plate alone, without dust box or mounting plate.

MOUNTING
PLATES FOR
HOLLOW JAMBS

© 1967, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



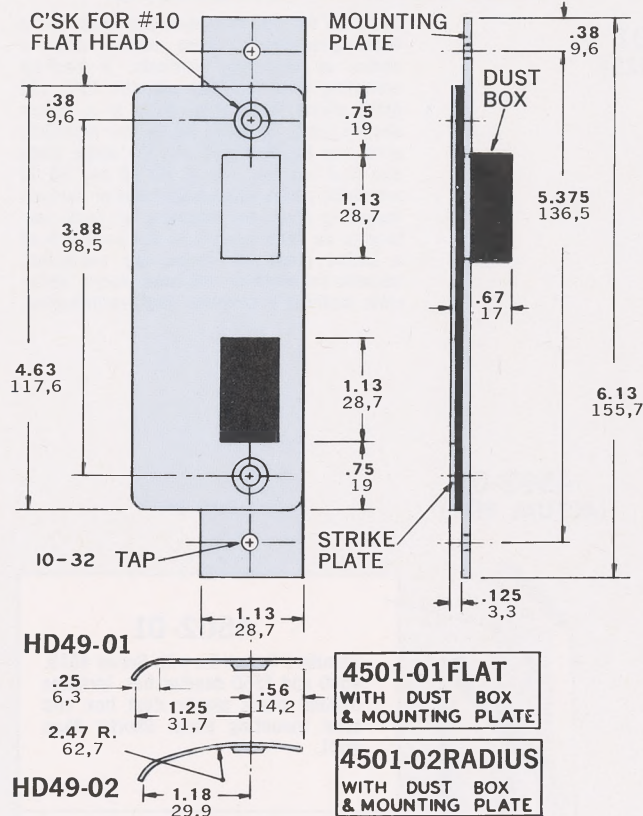
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-32

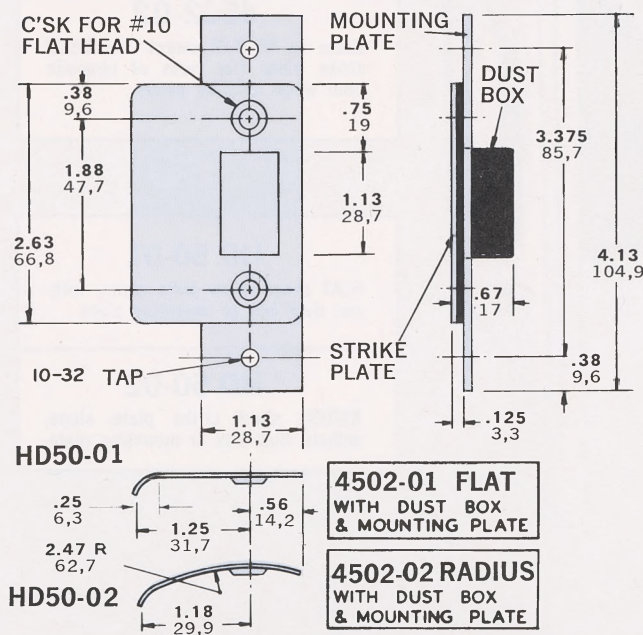
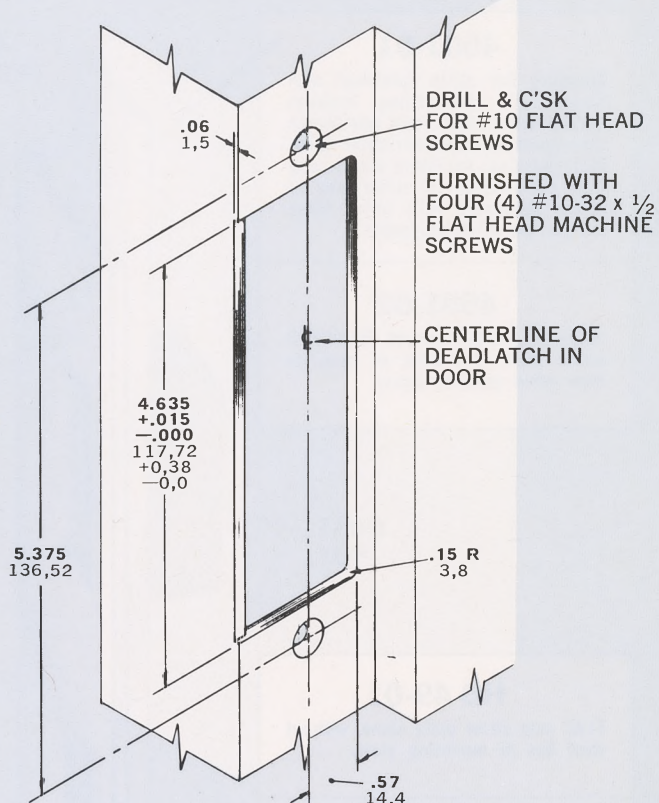
4501 & 4502 STRIKES

DIMENSIONS

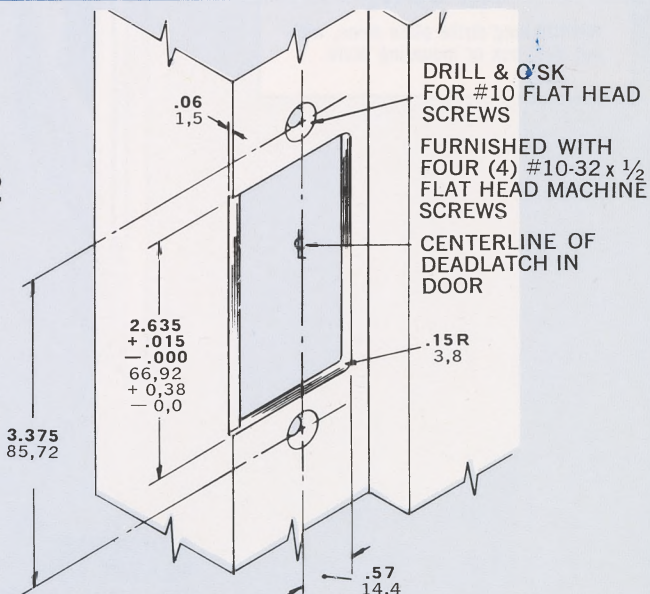
INCHES
MILLIMETERS

JAMB PREPARATION

4501



4502



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER, including DASH NUMBER. See chart at right.

ALSO SEE ANSI-DIMENSIONED LATCH STRIKE
WITH SERIES 4520 ANSI DEADLATCH

CAT. NO.	LONG TYPE STRIKE
4501-01	FLAT, W/DUST BOX & MTG. PLATE
4501-02	RADIUS, W/DUST BOX & MTG. PLATE
HD49-01	FLAT, STRIKE PLATE ONLY
HD49-02	RADIUS, STRIKE PLATE ONLY

CAT. NO.	SHORT TYPE STRIKE
4502-01	FLAT, W/DUST BOX & MTG. PLATE
4502-02	RADIUS, W/DUST BOX & MTG. PLATE
HD50-01	FLAT, STRIKE PLATE ONLY
HD50-02	RADIUS, STRIKE PLATE ONLY

LATCH PADDLE DEVICE 4590

ESCUTCHEON

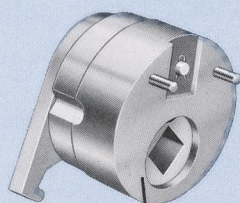
Zinc alloy. Black Ritecoat finish. Houses steel operating mechanism. Secured to door stile with special binder posts that extend into the escutcheon to rigidly resist torque loads in any direction.

FUNCTION:

An alternative to knob or lever handle; makes opening a latched door as natural as opening an unlatched one — just push or pull in the direction the door swings. Available for any Adams Rite Series 4500 deadlatch or MS+1890 lock latch.

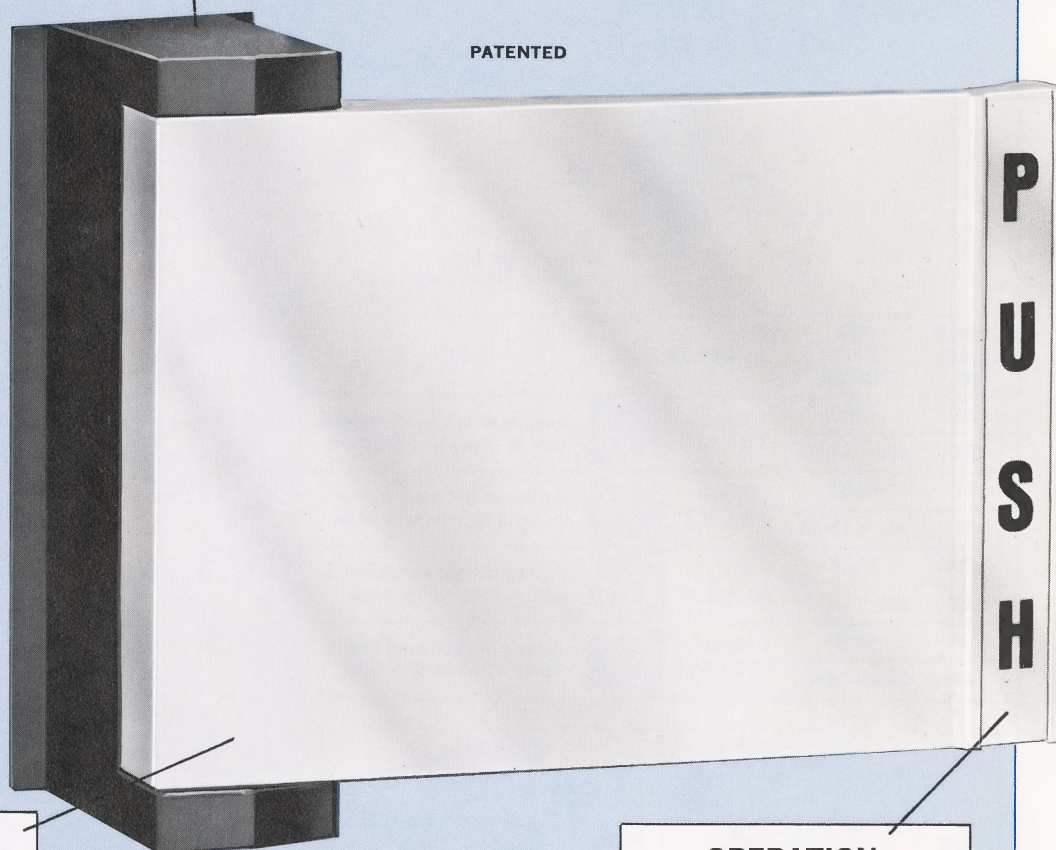
OPTIONS:

First dash number specifies operation (handing) and compatible latch. Second dash number can be used to specify non-standard units for doors thicker than 1 3/4". Choice of three finishes.



CAM PLUG

Furnished for use with Series 4500 latches; not used with MS+1890 lock/latch. Secured in latch body by cylinder setscrew, plug is also rigidly tied to escutcheon by hardened steel pins.



PADDLE

Extruded aluminum, satin anodized 628 (US28) finish. Medium Bronze (312) and black hard color (335) available.

OPERATION

Available from stock in four modes: Push to left, Push to right, Pull to left and Pull to right.

HANDING

See table next page.

COMPATIBLE LATCHES

4510 MS+1890
4520ANSI
4530

(See Table
Next Page)

STANDARD PACKAGE

Individually boxed with mounting hardware. Units for 4500 Series latches include cam plug.

© 1973, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



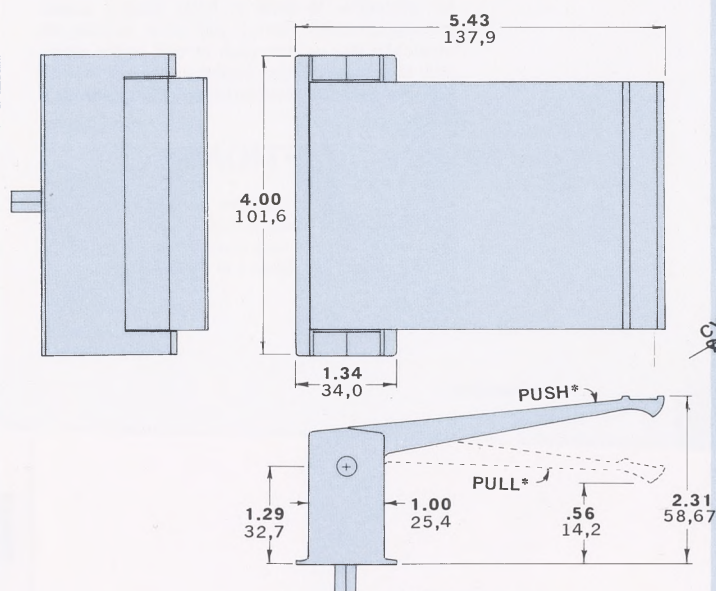
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-32B

4590 PADDLE DEVICE

DIMENSIONS

INCHES
MILLIMETERS

*SHOWN AT REST.
PADDLE TRAVEL IS 1.90
48,3

FIRST DASH NO.	FOR LATCH SERIES	OPERATION	USE:
-01	4500	PULL TO LEFT	Outside of left hand reverse door or inside of right hand.
-11	MS+1890	PULL TO LEFT	
-02	4500	PUSH TO LEFT	Outside of left hand door or inside of right hand reverse.
-12	MS+1890	PUSH TO LEFT	
-03	4500	PULL TO RIGHT	Outside of right hand reverse door or inside of left hand.
-13	MS+1890	PULL TO RIGHT	
-04	4500	PUSH TO RIGHT	Outside of right hand door or inside of left hand reverse.
-14	MS+1890	PUSH TO RIGHT	

LH	-03 or -13	RH	-01 or -11
	-02 or -12		-04 or -14
LHR	-04 or -14	RHR	-02 or -12
	-01 or -11		-03 or -13

HOW TO ORDER

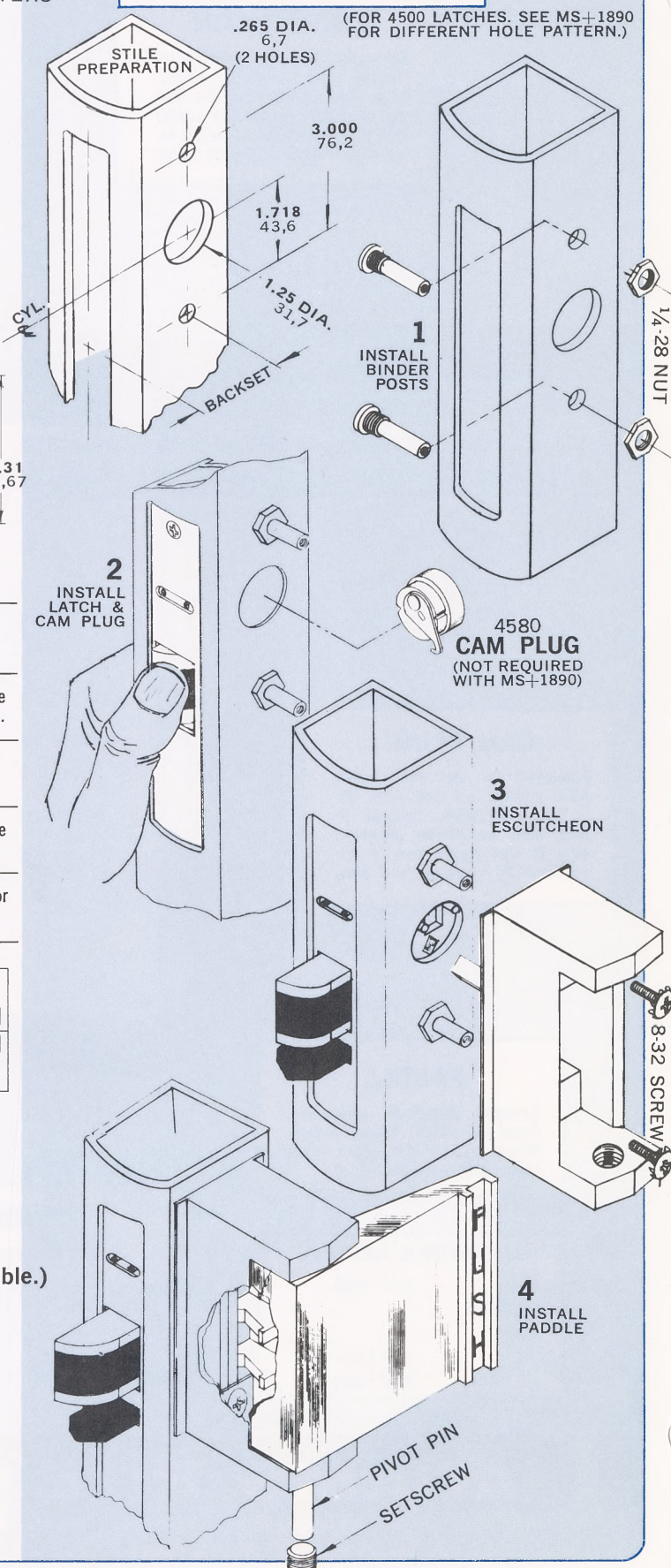
1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4590.
3. Add FIRST DASH NO. to specify OPERATION. (See Table.)
4. If for other than 1 3/4" door add SECOND DASH NO:

DASH NO.	DOOR THICKNESS	DASH NO.	DOOR THICKNESS
-01	2" (50,9)	-03	2 1/2" (63,5)
-02	2 1/4" (57,1)	-04	2 3/4" (69,8)

5. Specify FINISH. (628, 312 or 335)

EXAMPLE: 4590-01-01-628

INSTALLATION



LATCH HANDLES 4560, 4561, 4565

FOR BHMA TYPE E8231 LATCH

FUNCTION:

Designed to operate 4500 series latches by a natural downward hand movement, these handles incorporate an activator cam disc that mounts on the handle escutcheon and fits solidly into the cylinder hole of the latch.

OPTIONS:

Pre-handing can be specified LH or RH although re-handing in the field is easily accomplished. The three standard handles shown are for $1\frac{3}{4}$ " thick doors. Available on special order for doors up to $2\frac{3}{4}$ ". (Extra cost)

4560 HANDLE

Lever of satin finished aluminum is shaped to fit the hand, with a concave thumb-rest portion that tends to keep knuckles and thumb safely away from the jamb, even on a short backset narrow stile. **FINISH** 672D (US26D)

ESCUTCHEONS

All three handles shown here use the same $1\frac{3}{8}$ " x 4" escutcheon. It is designed to match the narrow stile door's clean lines. A $\frac{1}{4}$ " square heat-treated spindle is part of escutcheon assembly, which interlocks with the cam plug. **FINISH** Ritecoat 130

PAT. APPLIED FOR

CAM PLUGS

Secured in latch body by cylinder setscrew, plug is also rigidly tied to handle escutcheon by hardened steel pins. Handing can be reversed by removing a spring clip, "flopping" the cam and replacing the clip.

4561 HANDLE

Lever of black satin Delrin® plastic, one of the strongest plastics known. Shaped similarly to 4160 above for convenient, safe operation. Delrin® material remains pleasant to the touch even in very hot or very cold environment.

4565 HANDLE

Thumbturn of minimum practical length is designed to offer a firm grip to the fingertips. Ideal for doors where latch is operated infrequently or in emergencies only. **FINISH** 672D (US26D)

STANDARD PACKAGE

Packed individually with cam plug handed LH or RH as specified. Two 10-32 mounting screws furnished. Shipping wt: $\frac{1}{2}$ lb.

© 1967, 1972, 1973, 1975 by

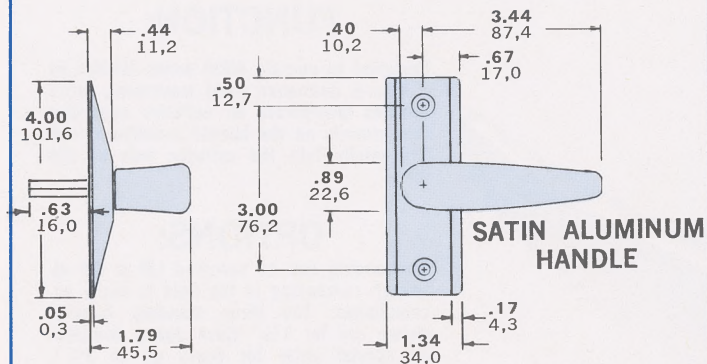
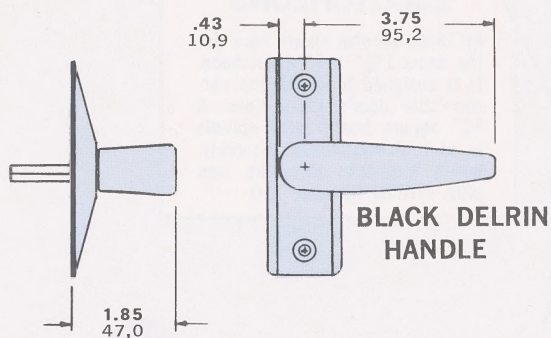
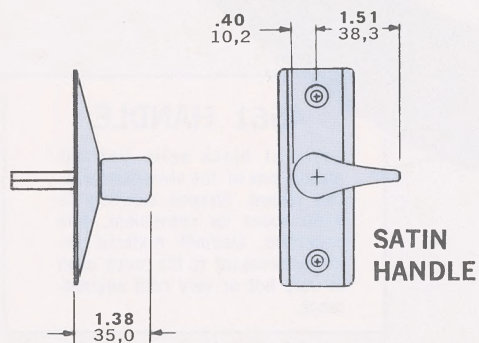
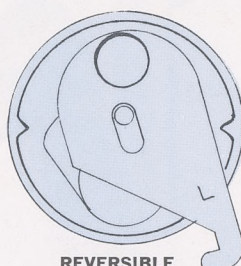
ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-34

4560, 4561 & 4565 LEVER HANDLES**DIMENSIONS**INCHES
MILLIMETERS**SATIN ALUMINUM HANDLE****4560 HANDLE****BLACK DELRIN HANDLE****4561 HANDLE****SATIN HANDLE****4565 HANDLE (THUMBTURN)****REVERSIBLE
4580 CAM DISC**

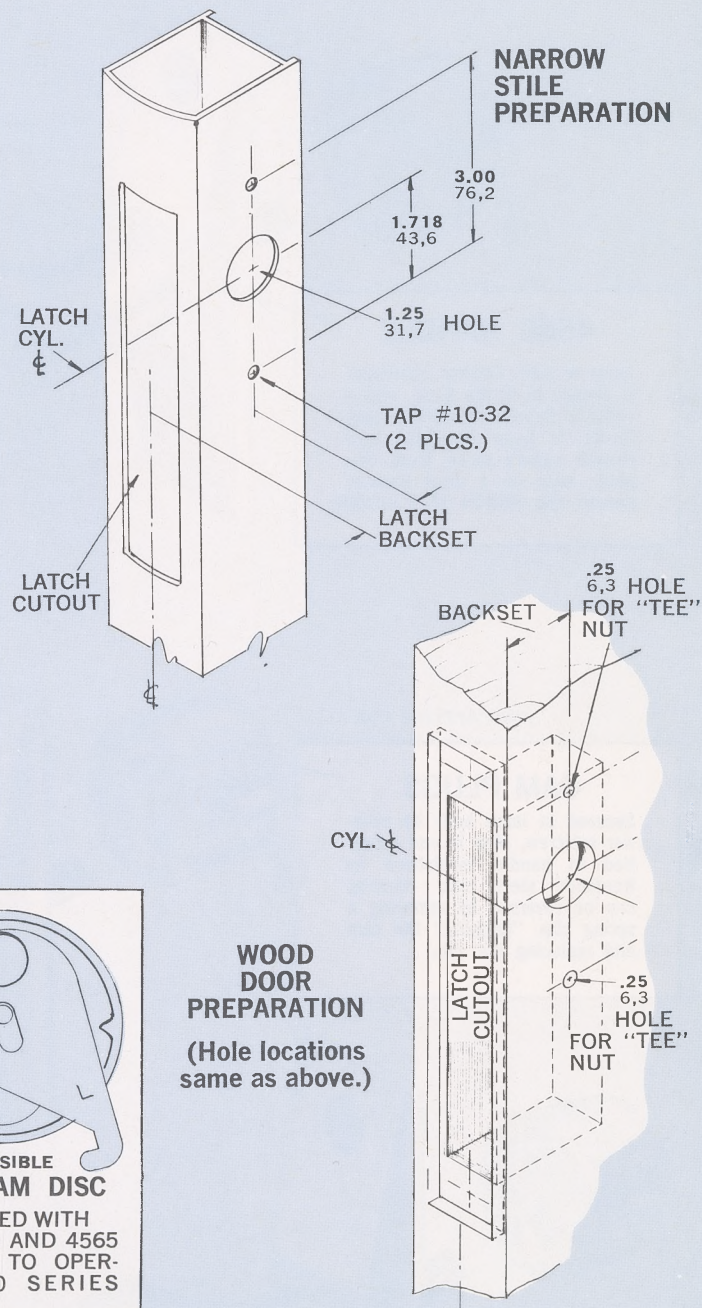
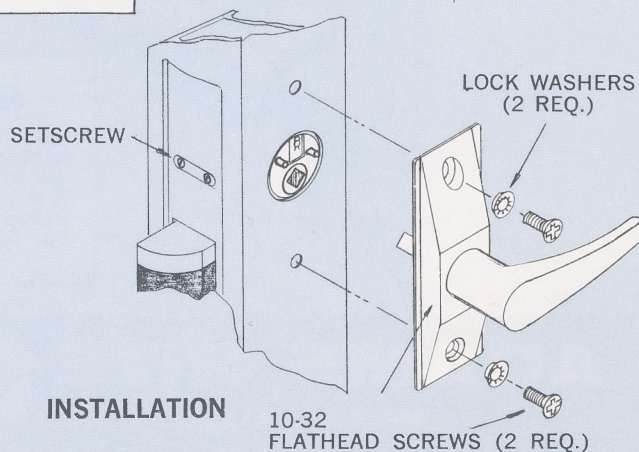
INCLUDED WITH
4560, 4561 AND 4565
REQUIRED TO OPER-
ATE 4500 SERIES
LATCHES

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. 4560, 4561 or 4565.
3. If for other than standard $1\frac{3}{4}$ ", door add:

DASH NO.	DOOR THICKNESS	DASH NO.	DOOR THICKNESS
-01	2"	-03	2 $\frac{1}{2}$ "
-02	2 $\frac{1}{4}$ "	-04	2 $\frac{3}{4}$ "

4. Specify FINISH.
5. Specify WOOD if for wood door.

INSTALLATION**NARROW
STILE
PREPARATION****WOOD
DOOR
PREPARATION**
(Hole locations
same as above.)**INSTALLATION**

10-32
FLATHEAD SCREWS (2 REQ.)

REPLACEMENT HANDLE

4160

FOR BHMA TYPE E8231 LATCH

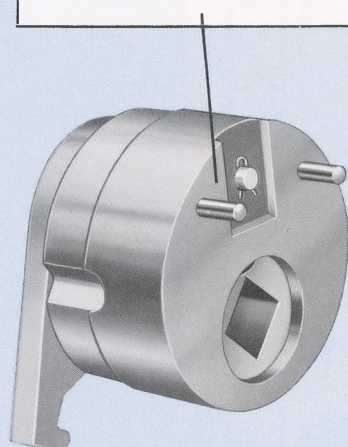
FUNCTION:

For replacement of old style lever handles. This handle allows for a clean, professional replacement job with all old mounting holes covered or filled. Features a cylinder-type cam plug which mates with any 4050 or 4500 Series latch to form a solid unit. Handing is reversible to match the hand of door and provide a natural downward handle movement to retract the latch-bolt.

Pre-handing can be specified LH or RH although re-handing in the field is easily accomplished. Standard handles are for 1 $\frac{3}{4}$ " thick doors. For doors of other thickness, contact factory.

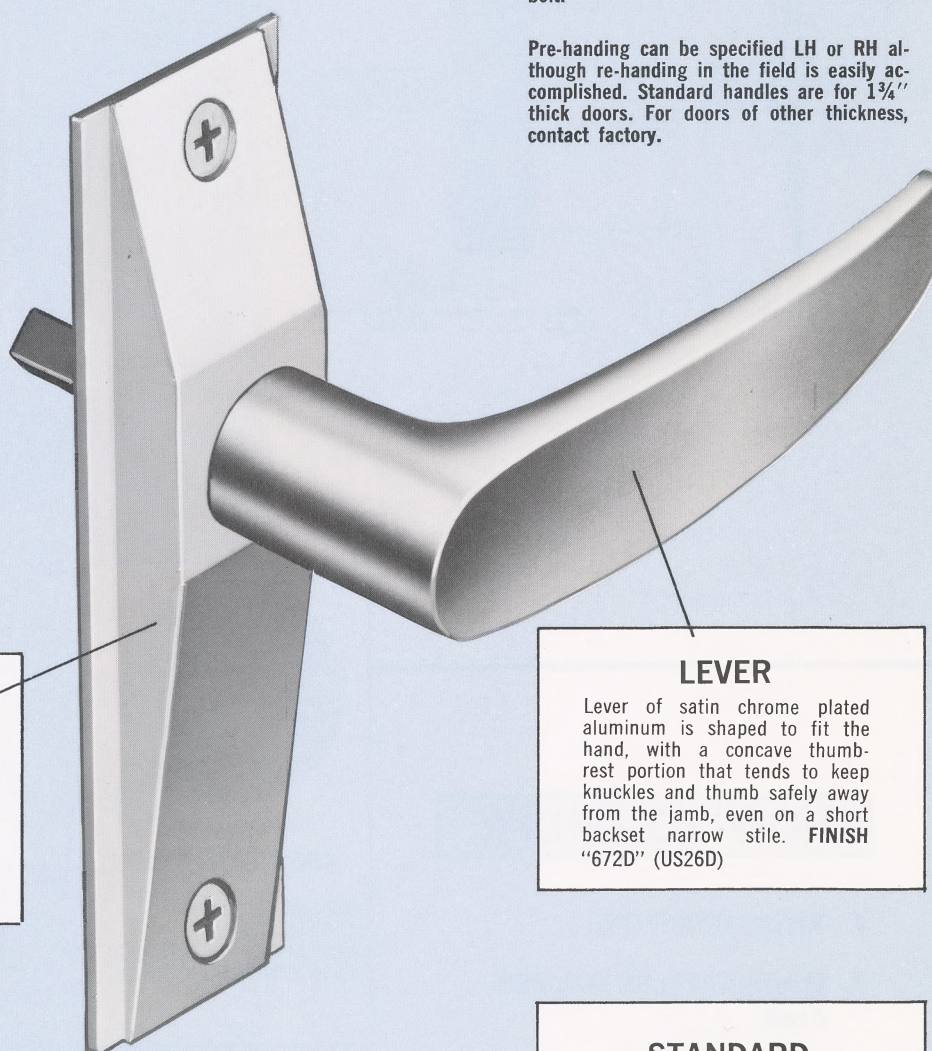
CAM PLUG

Secured in latch body by cylinder setscrew, plug is also rigidly tied to handle escutcheon by hardened steel pins. Handing can be reversed by removing a spring clip, "flopping" the cam and replacing the clip.



ESCUTCHEON

1 $\frac{3}{8}$ " x 4-11/16". Designed to match the narrow stile door's clean lines. A $\frac{1}{4}$ " square heat-treated spindle is part of escutcheon assembly, which interlocks with the cam plug. **FINISH** Ritecoat 130



LEVER

Lever of satin chrome plated aluminum is shaped to fit the hand, with a concave thumb-rest portion that tends to keep knuckles and thumb safely away from the jamb, even on a short backset narrow stile. **FINISH** "672D" (US26D)

STANDARD PACKAGE

Packed individually with cam plug handed LH or RH as specified. Two 10-32 mounting screws furnished. Shipping wt: $\frac{1}{2}$ lb.

© 1972, 1973, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

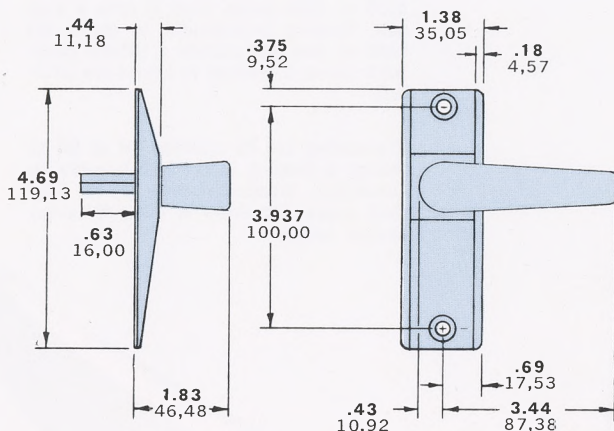
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-34B

4160 REPLACEMENT HANDLE

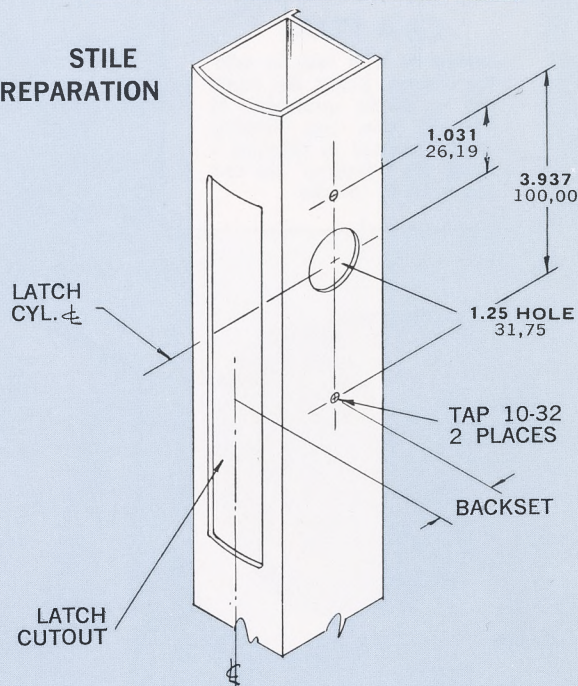
DIMENSIONS

INCHES
MILLIMETERS



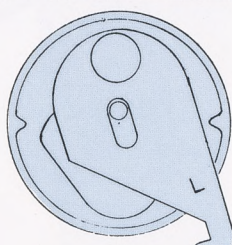
INSTALLATION

STILE PREPARATION



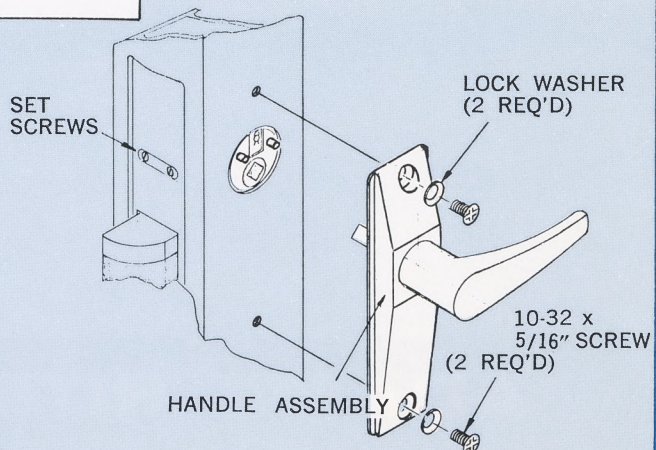
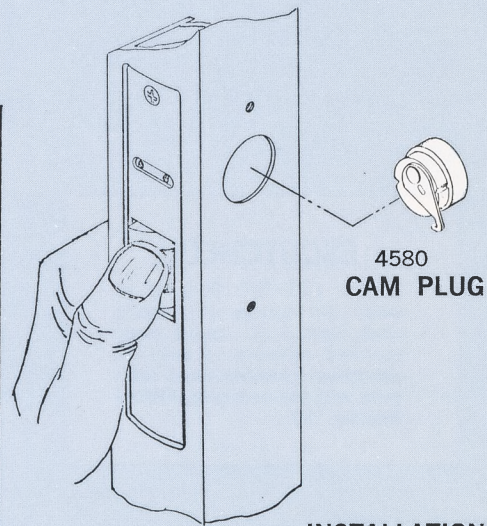
HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4160.
3. Specify HANDING (RH or LH).



REVERSIBLE
4580 CAM PLUG

INCLUDED WITH
4160 HANDLE.
REQUIRED TO OPERATE
4500 SERIES LATCHES.



HOW TO SPECIFY ELECTRIC STRIKES

An Adams Rite electric strike is architectural hardware designed to add security features to a traffic control device. It is highly "pick" and "shake" resistant. When properly powered and installed, an Adams Rite release has a long, maintenance-free life. The fact that electric power is used for its operation does not make it an electrical appliance. With a few exceptions the

electrical circuit is designed to meet the needs of the strike; not the other way around. The hardware specifier should select the strike and expect the electrician to provide the power at the point of installation. In a few cases an existing circuit is to be used and a strike must be selected to match it. (For instance, most telephone companies have 48 VDC circuits available.)

I ELECTRICAL CONSIDERATIONS

The first electrical factor to determine is DUTY. Is the operation to be intermittent or continuous? If the door is normally locked and released only momentarily from time to time, it is intermittent. If it is the rare case where the strike is activated (unlocked) for long periods, the duty is continuous. A still rarer requirement is reverse action in which the strike is locked only when its current is switched on.

INTERMITTENT DUTY: For a normal intermittent application specify an electric strike with dash number -24VAC. This 24 volt alternating current call-out gives enough power for almost any entrance, even one with a wind-load situation. Yet this low voltage range is below that requiring U.L. or Building Code supervision. Good, reliable transformers are available in this voltage, too. The buzzing sound inherent in A/C activated strikes is usually not considered offensive in intermittent use. In fact it acts as the "go" signal to a person waiting to enter. However if silence is desired specify dash -24VDC or add a 4601 Rectifier to the AC circuit. DC current is silent while operating the strike. A buzzer or pilot light can be wired in if a signal is required.

CONTINUOUS DUTY: When continuous duty is required, make sure the letters "CON" follow the voltage requirement. Most continuous duty applications can be supplied through the same type 115/24 VAC transformer used for intermittent jobs. The factory will automatically add those components necessary to achieve continuous performance at the voltage specified.

REVERSE ACTION: Long periods of unlocking can also be obtained by ordering a Reverse Action strike. This might be required to provide the same service as a continuous duty strike but preserve current because it is on battery DC power. It also could be used to provide a "fail-safe" unlocked door in case of power failure. Note Reverse Action strikes require Hand of Door be noted on order.

MONITORING: If a visual or other signal is required to tell the operator what the electric strike is doing, he needs a "monitoring" strike. This feature is specified by adding an "M" to the strike's catalog number. The "M" means there are two sensor/switches added: one is activated by the latchbolt's penetration of the strike and the other by the solenoid plunger that blocks the strike's release.

TRANSFORMER: Low voltage for electric strike operation is obtained by the use of a transformer which steps down the normal 115 volt AC power to 12, 16, 24 or other lower voltage. The electrical specifier needs to call out only three items: (1) Input voltage (usually 115 v.) (2) Output voltage (12, 16 or 24 v.) (3) Capacity of transformer called volt-amps. (Output voltage times output amps.) Skimping on the capacity of the transformer to save a few dollars will under-power the door release and is likely to bring complaints of "poor hardware". Adams Rite electric strikes for INTERMITTENT duty draw from 1½ to 3 amps. The CONTINUOUS duty models less than 1 amp. In applications where current draw of the strike must be restricted to less than 1 amp (regardless of duty) use a 4602 Current Limiter which stores electrical energy to relieve high use periods.

THE WIRE: The wire must carry the electrical power from the transformer through the actuating switch (or switches) to the door release. It must be large enough to minimize "frictional" line losses and deliver most of the output from the transformer to the door release. A small diameter garden hose won't provide a full flow of water from the nozzle, particularly if it's a long run. Neither will an undersized wire carry the full current.

ELECTRICAL TROUBLE SHOOTING: When insufficient electrical power is suspected in a "weak" door release, a simple check can be made. Measure the voltage at the door release while the unit is activated. If the voltage is below that specified on the hardware schedule, the problem is in the circuit, probably an under-capacity transformer if the current length is short. A long run may be both a transformer and wire problem.

II HARDWARE CONSIDERATIONS

FACE SHAPE (SECTION): There are basically nine considerations to be covered: With two exceptions, all Adams Rite electric strikes have flat faces. The exceptions are the 7501 and the 7531 which have radiused faces to match the nose shape of paired narrow stile glass doors.

FACE SIZE: The basic Adams Rite size conforms to American National Standards Institute strike preparation: 1¼" x 4⅞". However, two other sizes are offered to fill or cover existing jamb (or opposing stile) preparation from a previous installation of (1) M.S.® deadlock strike (7530 and 7531 strikes) or (2) Discontinued Series 002 electric strikes (7510).

FACE CORNERS: Strikes are available with (1) round corners for installation in narrow stile aluminum where preparation is usually done by router and with (2) square corners for punched hollow metal ANSI preparation or wood mortise.

JAMB MATERIAL: Strikes with vertically mounted solenoids are designed to slip into hollow metal stile sections as shallow as 1.6". Horizontal solenoid for wood jambs requires an easily bored mortise of 3⅛" depth.

PREVIOUS STRIKE PREPARATION: If jamb was previously fitted with an 002 electric strike, the new 7510 unit will fit with minor alteration. (Increase lip cutout ¼" at each end.) In the case where a hollow jamb was originally prepared to receive the bolt from an Adams Rite M.S. deadlock and a 4510 latch is to be substituted, the 7530 (flat) or 7531 (radius) will cover the old strike cutout.

LIP LENGTH: The standard lip on all basic Adams Rite electric strikes accommodates a 1¾" thick door which closes flush with the jamb. Where door/jamb relationship is different, a long lip can be added by specifying the second dash number shown on the accompanying chart. Dimension "A" is the distance from strike (and latch) centerline to edge of jamb.

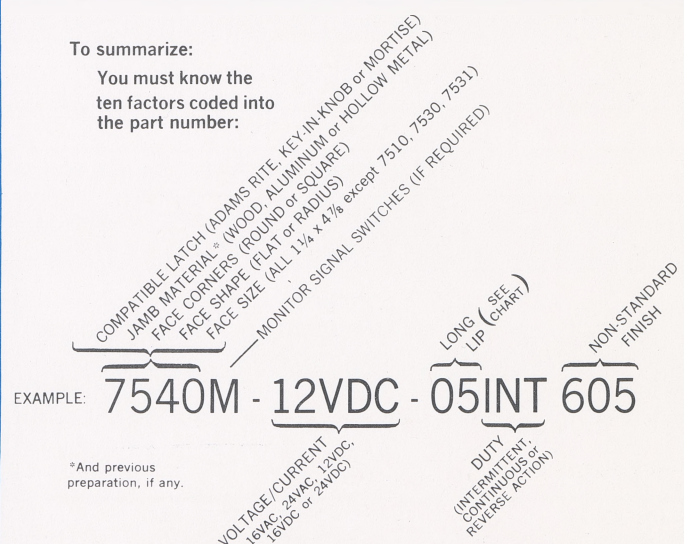
COMPATIBLE LATCH: Adams Rite electric strikes 7500 through 7531 mate with all Adams Rite Series 4500 latches. The 7540, 7540 ANSI and 7550 accept the key-in-knob type locksets shown in the chart while the 7560, 7560 ANSI and 7570 are designed for mortise locksets of the makes shown.

FINISH: Standard finish on all but 7510 is US28 (628) Satin Aluminum anodized. US3 (605), US10 (612), US10B (613), and US26D (626) are available as are Hardcoat 312E and 335E.

HANDING: All standard operation strikes are unhanding, can be installed for either right or left hand doors. However, Reverse-action ("locked" only when current "on") units available on special order, require specification of handing.

To summarize:

You must know the ten factors coded into the part number:





STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.



ADAMS RITE 8.30/Ad
MANUFACTURING CO.

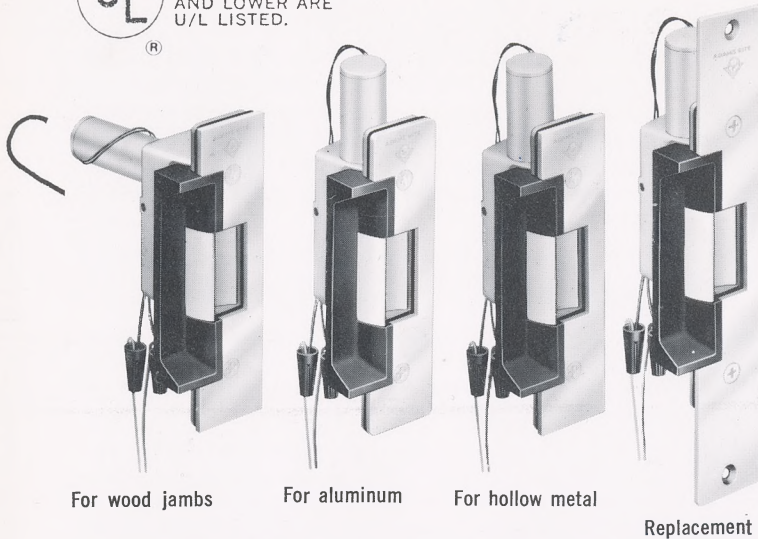
ELECTRIC-RELEASE LATCH

Easily installed in place of latch strike to provide remote-controlled access for a door equipped with Adams Rite deadlatch or latches by others noted below. (Not suitable for Series MS+1890 Latch/Lock.) Reversible for right or left hand doors. Operate on low voltage. Electric strikes for hollow jambs fit channel as shallow as 1.6 in. (except those for mortise latches — 1.75 in.).

HOW TO SPECIFY

Specify strike catalog number with "M" suffix if monitor signal switches required. Add, as first dash number, voltage and current: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC or 48VDC. If distance from jamb edge to door nose centerline exceeds 1 1/16", add second dash number per chart at right. Specify duty: INTERmittent, CONTinuous, or REVERSE action. (Reverse action is locked only when energized.) State hand (LH or RH of door). Specify finish if other than standard shown

2ND DASH NO.	DISTANCE, EDGE OF JAMB TO DOOR CENTERLINE
NONE	1.06
-01	1.50
-02	1.63
-03	1.75
-04	1.88
-05	2.00
-06	2.13
-07	2.25
-08	2.38
-09	2.50
-10	2.63
-11	2.75
-12	2.88
-13	3.00



For wood jambs

For aluminum

For hollow metal

Replacement

FOR USE WITH ADAMS RITE SERIES 4500 LATCHES

ELECT. STRIKE NO.	FACEPLATE				JAMB TYPE	NOTES:
	SIZE	SHAPE	CORNERS	STD. FINISH		
7500 (or 7500M)	1 1/4 x 4 7/8	FLAT	ROUND	US28 (628)	ALUM	Fits jamb channel 1.6 in. or deeper.
7501 (or 7501M)	1 1/4 x 4 7/8	RADIUS	ROUND	US28 (628)	ALUM STILE	For inactive door stile in a pair.
7510 (or 7510M)	1 3/16 x 7 13/16	FLAT	ROUND	US3 (632) US10 (639) or US26D (652)	ALUM OR WOOD	Replaces 002 strikes w/minimal alteration.
7520ANSI (or 7520ANSIM)	1 1/4 x 4 7/8	FLAT	SQUARE	US28 (628)	HOLLOW METAL	Per dimensions of American National Stds. Inst.
7530 (or 7530M)	1 1/4 x 6 7/8	FLAT	ROUND	US28 (628)	ALUM	For jambs previously prepared for M.S.® lock strike.
7531 (or 7531M)	1 1/4 x 6 7/8	RADIUS	ROUND	US28 (628)	ALUM STILE	For door stile previously prepared for M.S.® lock strike.

FOR USE WITH KEY IN KNOB LATCHES (BY OTHERS)

ELECT. STRIKE NO.	FACEPLATE				JAMB TYPE	FOR USE WITH			
	SIZE	SHAPE	CORNERS	STD. FINISH		MAKE	SERIES	MAKE	SERIES
7540 (or 7540M)	1 1/4 x 4 7/8	FLAT	ROUND	US28 (628)	ALUM	ARROW	150, 152, 600, 1000	NATIONAL	4-40
7540ANSI (or 7540ANSIM)	1 1/4 x 4 7/8	FLAT	SQUARE	US28 (628)	HOLLOW METAL	CORBIN	5600	RUSSWIN	3300
						DEXTER	7100, 7200, 7300	SARGENT	6 LINE, 8 LINE, 9 LINE
						FALCON	A, E, X, 800	SCHLAGE	A, B*, C-D except fire door latch
7550 (or 7550M)	1 1/4 x 4 7/8	FLAT	SQUARE	US28 (628)	WOOD	KWIKSET	400 LINE, 500 LINE	WEISER	A, E, X, 800
						LOCKWOOD	H, S	YALE	5300, 5400*

*Req. 1/16" or more door/jamb gap.

FOR USE WITH MORTISE LATCHES (OR PANIC EXIT DEVICES) BY OTHERS (NOT FOR LOCKS WITH DEADBOLT)

ELECT. STRIKE NO.	FACEPLATE				JAMB TYPE	FOR USE WITH			
	SIZE	SHAPE	CORNERS	STD. FINISH		MAKE	SERIES	MAKE	SERIES
7560 (or 7560M)	1 1/4 x 4 7/8	FLAT	ROUND	US28 (628)	ALUM	ARROW	861 1/2, 871 1/2	MONARCH	B1200
7560ANSI (or 7560ANSIM)	1 1/4 x 4 7/8	FLAT	SQUARE	US28 (628)	HOLLOW METAL	BEST	21H, 22H	PRECISION	800-M
						CORBIN	7000, 7200, 7500, 7800, 6444, 6474, 01329	RUSSWIN	1000, A1000, 2000, A2000
						FALCON	M1000, M2000, M3000	SARGENT	B904, 6700*, 7700*, 7800, 8100, 8200, 9100
7570 (or 7570M)	1 1/4 x 4 7/8	FLAT	SQUARE	US28 (628)	WOOD	GENERAL	1000, 2000	VON DUPRIN	34, 58
						LOCKWOOD	T5000, F5000, B5100, 5500	YALE	62, 66, 4000, 8000

RECTIFIER 4601

To silence "buzzing" of AC strikes. (DC units are silent.)

CURRENT LIMITER 4602

Minimizes current draw of 24VAC or 24VDC units.

TRANSFORMER 4605

For 115/24VAC only (or used with 4601 Rectifier, for 12 or 24VDC Intermittent).

*Req. precise vertical alignment with electric strike

ELECTRIC-RELEASE STRIKES 7500, 7501

BHMA TYPE E09322 FOR ADAMS RITE LATCHES

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

CASE

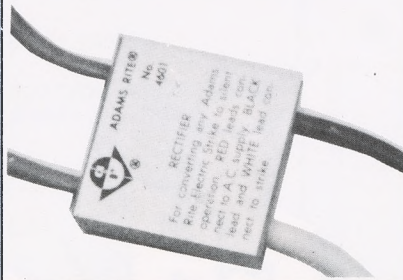
1 1/8" x 4" x 1 1/2" deep. Steel, plated for corrosion resistance.

STRIKE LIP

Basic 7500 strike has lip of proper length for 1 3/4" thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip is available, specified by second dash number. (Not available on 7501).

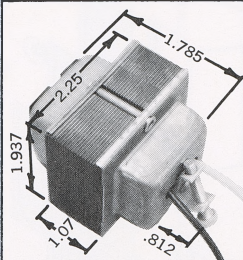
4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC units, which are silent.



4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.



© 1971, 1972, 1973, 1975 by

ADAMS RITE
MANUFACTURING CO.



STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.

FUNCTION:

Remote electrical control of any narrow stile or hollow metal door equipped with an Adams Rite Series 4500 (or similar) deadlatch. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact mechanism fits into jamb (or opposing door) sections as shallow as 1.6 inch.

OPTIONS:

Series 7500 releases have a flat faceplate for mounting in the jamb of single-leaf doors. Series 7501 faceplates are radiused, mount in the rounded nose of the inactive leaf of paired doors. Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). Series 7500 (flat) available with extended strike lip (see chart). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains door only when electrically activated).

STRIKE OPENING

5/8" x 1 1/4" x 1/2" deep. Bolt retainer jaw brass. Strike accepts bolt of any Adams Rite 4500 Series deadlatch. See 7540, 7550, 7560, and 7570 strikes for use with other make latches.

FACEPLATE

1 1/4" x 4 7/8". Two shapes: 7500 is flat; 7501 is radiused to match nose of inactive leaf in a pair of narrow stile glass doors.

TRIM FINISH

7500 available in US3 (605) bright brass, US10 (612) satin bronze, US10B (613) oil-rubbed bronze, US28 (628) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black). 7501 available in 628, 312 or 335 only.

STANDARD PACKAGE

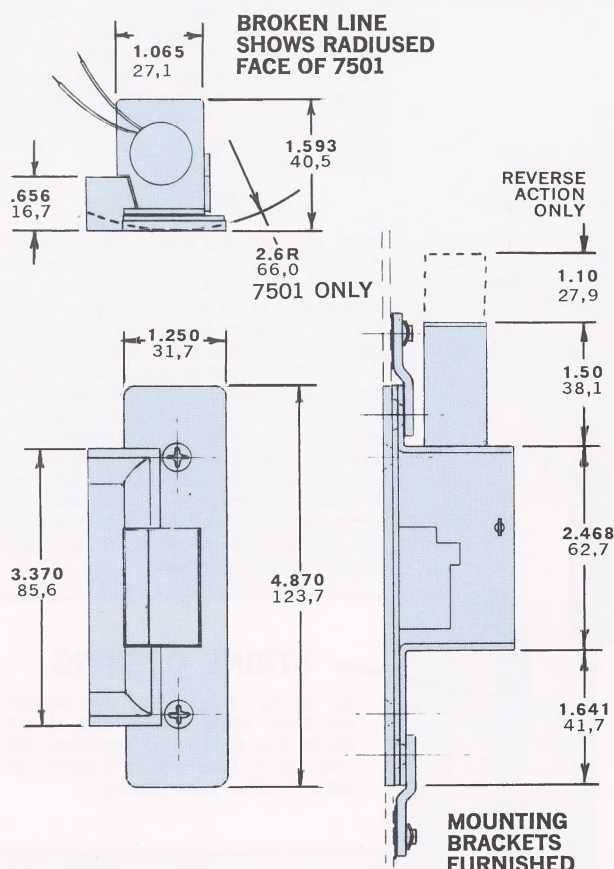
Individually boxed with machine screws, mounting brackets and adhesive shims to accommodate jamb or stile extrusion thickness greater or less than nominal 1/8 inch.

7500
(ACTUAL
SIZE)

SW-36

SERIES 7500 ELECTRIC RELEASE

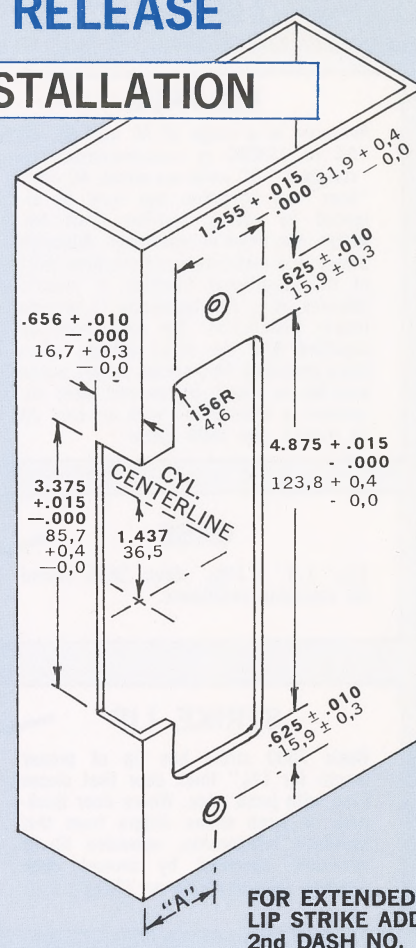
DIMENSIONS

 INCHES
MILLIMETERS


INSTALLATION

JAMB PREPARATION

VERTICAL CENTERLINE OF ELECTRIC RELEASE FACEPLATE DIRECTLY OPPOSITE CENTERLINE OF DEADLATCH (SERIES 4500)



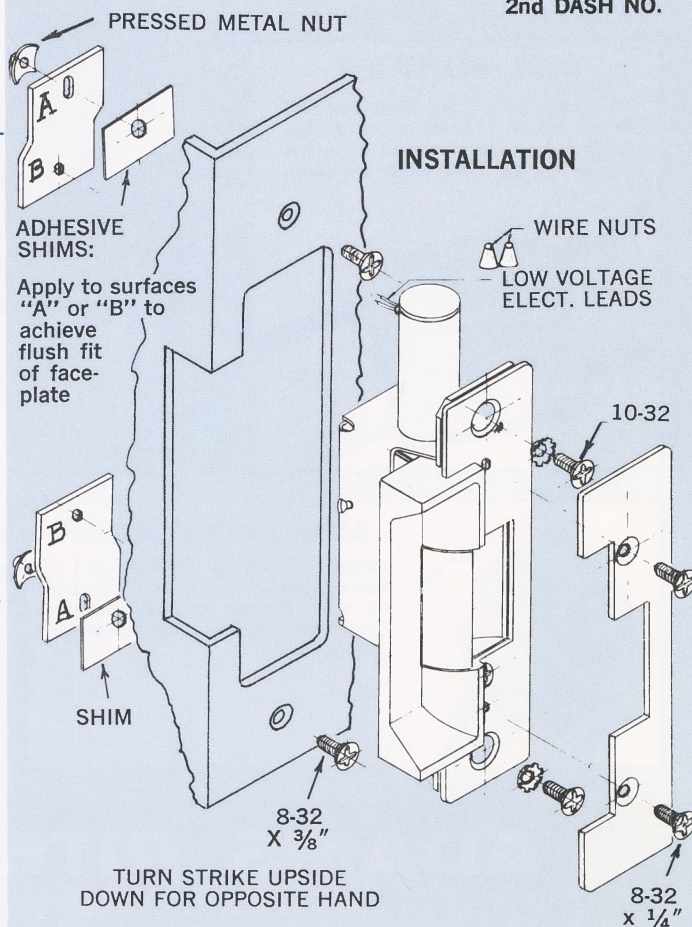
HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NO. 7500 (FLAT faceplate) or 7501 (RADIUS faceplate)**.
3. Add **"M"** if **MONITOR Signal Switches** required.
4. Specify as first dash no. **VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC, or 48VDC**.
5. Specify second dash no. if extended lip required.

SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"
NONE	1.06 (26,9)	-05	2.00 (50,8)	-10	2.63 (66,8)
-01	1.50 (38,1)	-06	2.13 (54,1)	-11	2.75 (69,8)
-02	1.63 (41,4)	-07	2.25 (57,2)	-12	2.88 (73,2)
-03	1.75 (44,5)	-08	2.38 (60,5)	-13	3.00 (76,2)
-04	1.88 (47,7)	-09	2.50 (63,5)		

6. Specify **DUTY: Intermittent, Continuous, or Reverse Action Continuous**. (For Rev. Action, specify door hand: LH or RH.)
7. Specify **FINISH: US28 (628, standard), or US3 (605), US10 (612), US10B (613), Hardcolor 312 or Hardcolor 335**.
8. For silent operation of AC strikes, order Adams Rite 4601 Rectifier.
9. For 115/24VAC only*, order Adams Rite 4605 transformer. *or, with 4601 rectifier, 12VDC or 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.

INSTALLATION



ELECTRIC-RELEASE STRIKE 7520ANSI

BHMA TYPE E09322

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

CASE

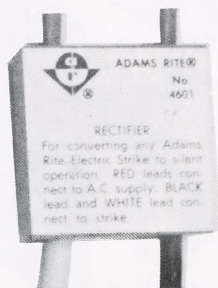
1 1/16" x 4" x 1 1/32" deep. Steel, plated for corrosion resistance.

STRIKE LIP

Basic 7520ANSI strike has lip of proper length for 1 3/4" thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip is specified by second dash number.

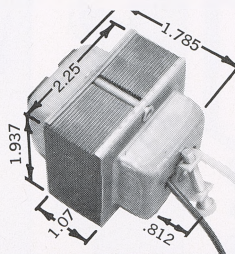
4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC units, which are silent.



4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.



© 1971, 1972, 1973 1974, 1976 by

FUNCTION:

Remote electrical control of any door equipped with an Adams Rite Series 4500 (or similar) deadlatch. Electrical actuation unlocks strike jaw, releasing latch bolt so door can be opened without operating latch itself. Extremely compact mechanism fits into hollow metal jamb prepared to American National Standards Institute specifications.

OPTIONS:

Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of six finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). Available with extended strike lip (see chart). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains latchbolt only when electrically activated).

STRIKE OPENING

5/8" x 1 1/16" x 1/2" deep. Bolt retainer jaw brass. Strike accepts bolt of any Adams Rite 4500 Series deadlatch. See 7540, 7550, 7560, and 7570 strikes for use with other make latches.

FACEPLATE

1 1/4" x 4 7/8". Conforms to dimensions of American National Standards Institute, Inc.

TRIM FINISH

Available in US3 (605) bright brass, US10 (612) satin bronze, US10B (613) oil-rubbed bronze, US28 (628) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black).

STANDARD PACKAGE

Individually boxed with 12-24 mounting screws and adhesive shims for mounting flush with jamb face.

7520ANSI
(ACTUAL
SIZE)



STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.

ADAMS RITE
MANUFACTURING CO.



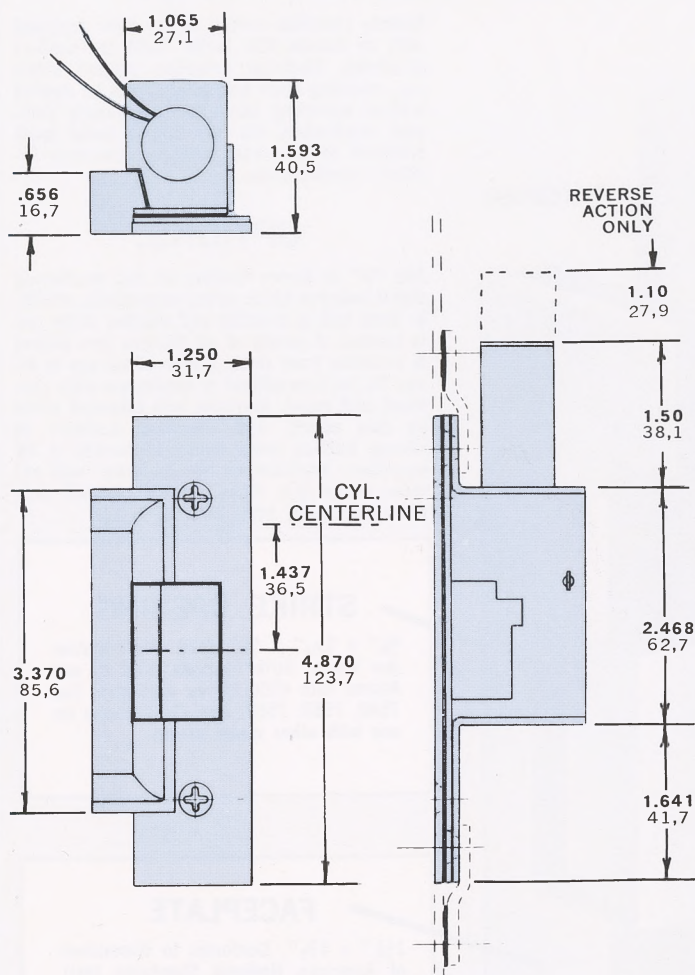
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-36B

7520ANSI ELECTRIC RELEASE

DIMENSIONS

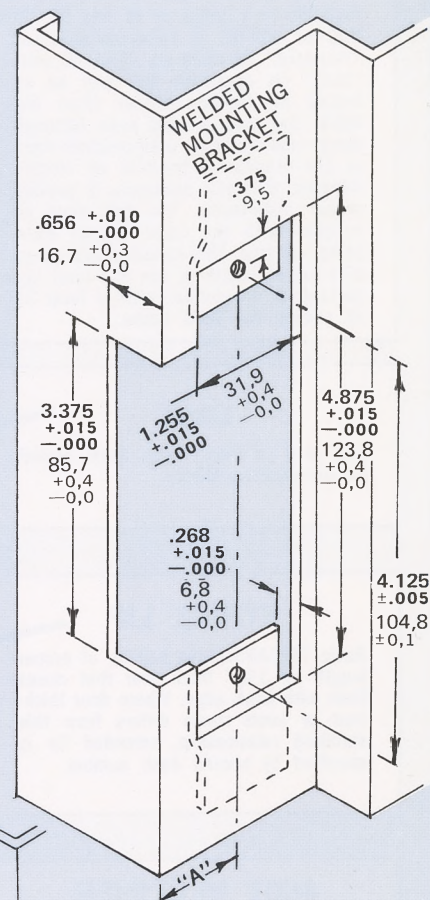
INCHES
MILLIMETERS

INSTALLATION

JAMB
PREPARATION

VERTICAL
CENTERLINE OF
ELECTRIC RELEASE
FACEPLATE
DIRECTLY
OPPOSITE
CENTERLINE OF
DEADLATCH
(SERIES 4500)

FOR EXTENDED
LIP STRIKE ADD
2nd DASH NO.



HOW TO ORDER

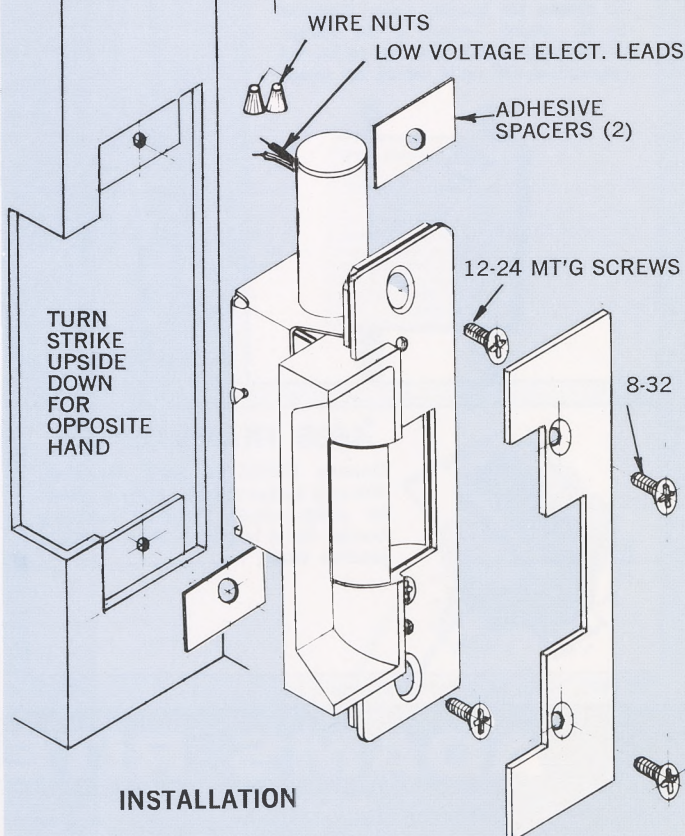
1. Specify QUANTITY.
2. Specify CATALOG NO. 7520ANSI.
3. Add "M" if MONITOR Signal Switches required.
4. Specify as first dash no. VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 13VDC, 24VDC, or 48VDC.
5. Specify second dash no. if extended lip required.

SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"
NONE	1.06 (26,9)	-05	2.00 (50,8)	-10	2.63 (66,8)
-01	1.50 (38,1)	-06	2.13 (54,1)	-11	2.75 (69,8)
-02	1.63 (41,4)	-07	2.25 (57,2)	-12	2.88 (73,2)
-03	1.75 (44,5)	-08	2.38 (60,5)	-13	3.00 (76,2)
-04	1.88 (47,7)	-09	2.50 (63,5)		

6. Specify DUTY: Intermittent, Continuous, or Reverse Action Continuous. (For Rev. Action, specify door hand: LH or RH.)
7. Specify FINISH: 628 (US28) is standard. 605 (US3), 612 (US10), 613 (US10B), Hardcolor 312 or Hardcolor 335 available.

EXAMPLE: 7520ANSI-24VAC-05 Int. 605

8. For silent operation of AC strikes, order Adams Rite 4601 Rectifier.
9. For 115/24VAC only*, order Adams Rite 4605 transformer. *or, with 4601 rectifier, 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.



ELECTRIC-RELEASE STRIKE 7510

BHMA TYPE E09322 FOR REPLACEMENT OF 002

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

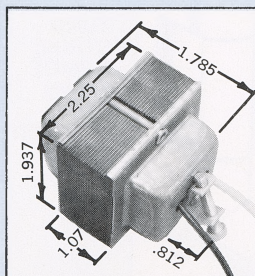
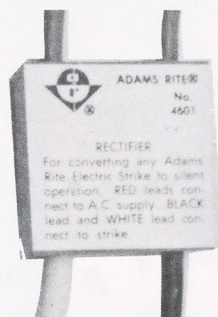
CASE

1 1/16" x 4" x 1 1/32" deep. Steel, plated for corrosion resistance.

PATENTED

4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC units, which are silent.



4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.

7510
(ACTUAL
SIZE)

FUNCTION:

Replaces earlier 002 electric releases in either metal or wood jambs for remote electrical control of any door equipped with an Adams Rite Series 4500 (or similar) deadlatch. Electrical actuation unlocks strike jaw, releasing latch-bolt so door can be opened without operating latch itself. Extremely compact mechanism fits into jamb sections as shallow as 1.6 inch.

OPTIONS:

Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of four finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains door only when electrically activated).

STRIKE OPENING

5/8" x 1 1/16" x 1/2" deep. Bolt retainer jaw brass. Strike accepts bolt of any Adams Rite 4500 Series deadlatch. See 7540, 7550, 7560, and 7570 strikes for use with other make latches.

FACEPLATE

1-7/16" x 7-15/16".

TRIM FINISH

Available in US3 (632) bright brass, US10 (639) satin bronze, US10B (640) oil-rubbed bronze or US26D (652) satin chrome.

STANDARD PACKAGE

Individually boxed with both wood and machine screws for mounting.

© 1971, 1972, 1973, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

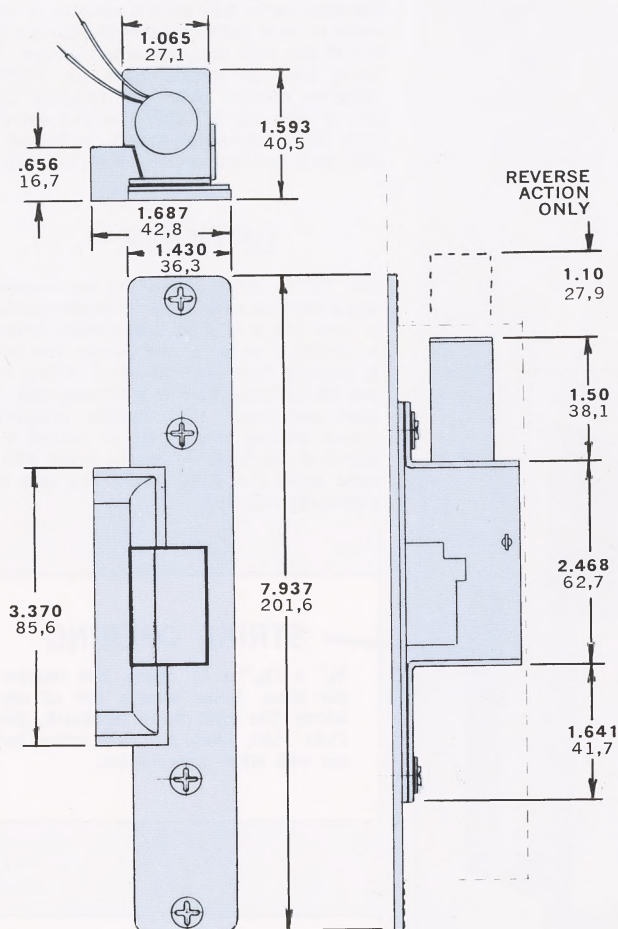
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SW-36D

SERIES 7510

ELECTRIC RELEASE

DIMENSIONS

INCHES
MILLIMETERS

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. 7510.
3. Add "M" if MONITOR Signal Switches required.
4. Specify as first dash no. VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC, or 48VDC.
5. Specify second dash no. if extended lip required.

SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"
NONE	1.06 (26,9)	-05	2.00 (50,8)	-10	2.63 (66,8)
-01	1.50 (38,1)	-06	2.13 (54,1)	-11	2.75 (69,8)
-02	1.63 (41,4)	-07	2.25 (57,2)	-12	2.88 (73,2)
-03	1.75 (44,5)	-08	2.38 (60,5)	-13	3.00 (76,2)
-04	1.88 (47,7)	-09	2.50 (63,5)		

6. Specify DUTY: Intermittent, Continuous, or Reverse Action Continuous. (For Rev. Action, specify door hand: LH or RH.)
7. Specify FINISH: US3 (632), US10 (639), US10B (640), or US26D (652).

EXAMPLE: 7510-24VAC-05 Int. 639

8. For silent operation of AC strikes, order Adams Rite 4601 Rectifier.
9. For 15/24VAC only*, order Adams Rite 4605 transformer. *or, with 4601 rectifier, 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.

INSTALLATION

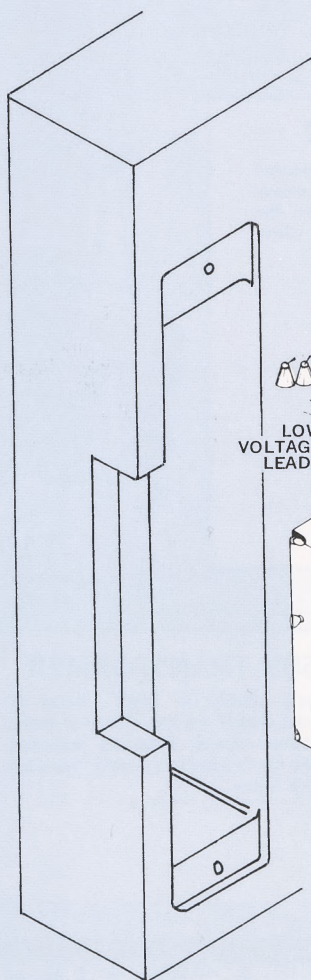
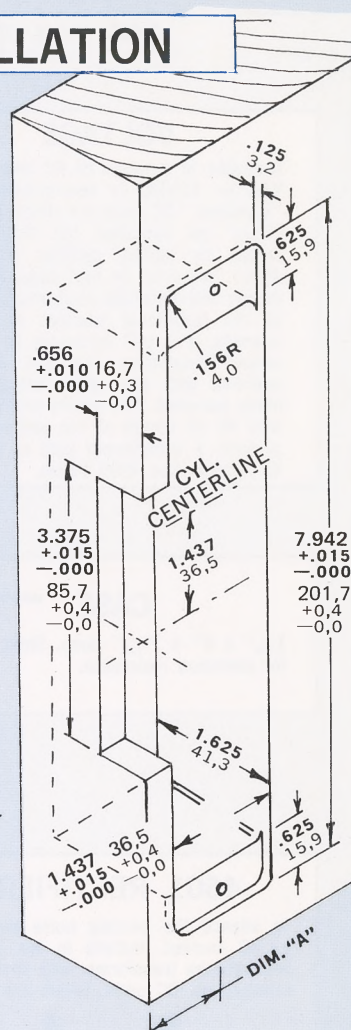
WOOD JAMB PREPARATION:

VERTICAL CENTERLINE OF ELECTRIC RELEASE FACEPLATE DIRECTLY OPPOSITE CENTERLINE OF DEADLATCH. (SERIES 4500)

NOTE: REV. ACTION UNIT NOT SUITABLE FOR WOOD JAMB.

002 REPLACEMENT PREPARATION:

ONLY CUTOUT ALTERATION REQUIRED IS TO ENLARGE STRIKE LIP OPENING TO 3.375 DIM. SHOWN.



WOOD JAMB INSTALLATION

ELECTRIC-RELEASE STRIKES 7530, 7531

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

CASE

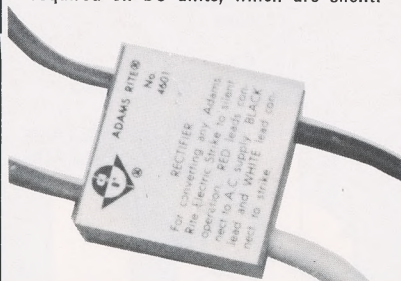
1 1/16" x 4" x 1 1/32" deep. Steel, plated for corrosion resistance.

STRIKE LIP

Basic 7530 strike has lip of proper length for 1 3/4" thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip is available, specified by second dash number. (Not available on 7531).

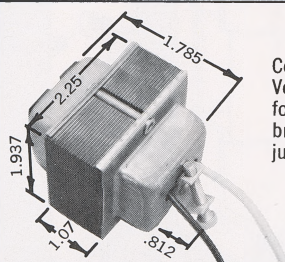
4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC units, which are silent.



4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.



© 1971, 1973, 1975 by

BHMA TYPE E09322

FUNCTION:

Remote electrical control of any narrow stile or hollow metal door equipped with an Adams Rite Series 4500 (or similar) deadlatch. Large faceplate is designed to cover strike opening when converting from an M.S.® pivoted-bolt deadlock to a deadlatch. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact mechanism fits into jamb (or opposing door) sections shallow as 1.6 in.

OPTIONS:

Series 7350 releases have a flat faceplate for mounting in the jamb of single-leaf doors. Series 7531 faceplates are radiused, mount in the rounded nose of the inactive leaf of paired doors. Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). Series 7530 (flat) available with extended strike lip (see chart). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains door only when electrically activated).

STRIKE OPENING

5/8" x 1 1/16" x 1/2" deep. Bolt retainer jaw brass. Strike accepts bolt of any Adams Rite 4500 Series deadlatch. See 7540, 7550, 7560, and 7570 strikes for use with other make latches.

FACEPLATE

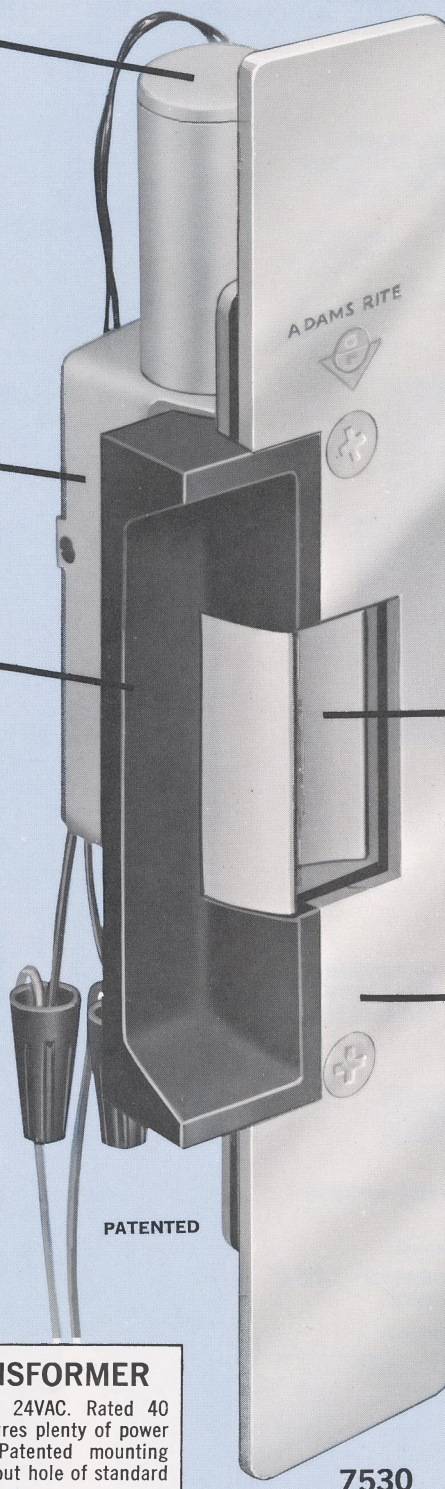
1 1/4" x 6 7/8". Two shapes: 7530 is flat; 7531 is radiused to match nose of inactive leaf in a pair of narrow stile glass doors.

TRIM FINISH

Available in US 28 (628) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black).

STANDARD PACKAGE

Individually boxed with machine screws, mounting brackets and adhesive shims to accommodate jamb or stile extrusion thickness greater or less than nominal 1/8 inch.



7530



STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.

ADAMS RITE
MANUFACTURING CO.

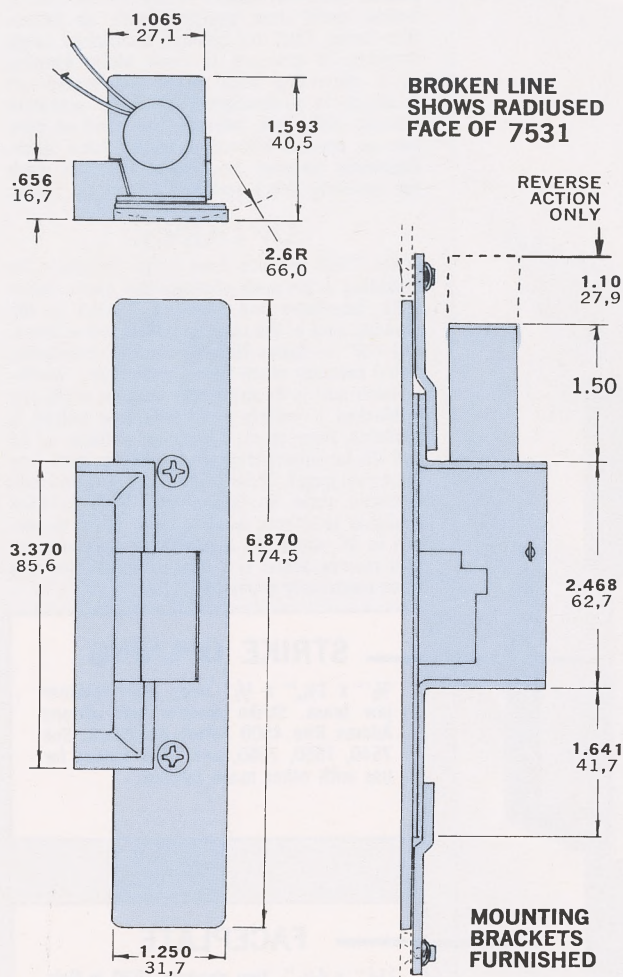


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

SW-36F

SERIES 7530 ELECTRIC RELEASE

DIMENSIONS

 INCHES
MILLIMETERS


HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NO. 7530 (FLAT faceplate) or 7531 (RADIUS faceplate)**.
3. Add "M" if **MONITOR Signal Switches** required.
4. Specify as first dash no. **VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC, or 48VDC**.
5. Specify second dash no. if **extended lip** required.

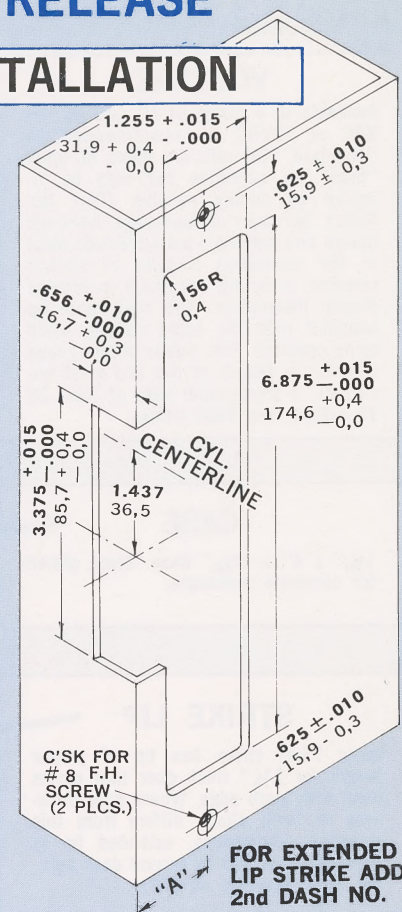
SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"
NONE	1.06 (26,9)	-05	2.00 (50,8)	-10	2.63 (66,8)
-01	1.50 (38,1)	-06	2.13 (54,1)	-11	2.75 (69,8)
-02	1.63 (41,4)	-07	2.25 (57,2)	-12	2.88 (73,2)
-03	1.75 (44,5)	-08	2.38 (60,5)	-13	3.00 (76,2)
-04	1.88 (47,7)	-09	2.50 (63,5)		

6. Specify **DUTY: Intermittent, Continuous, or Reverse Action Continuous**. (For Rev. Action, specify door hand: LH or RH.)
7. Specify **FINISH: US28 (628, standard) or Hardcolor 312, or Hardcolor 335**.
8. For silent operation of AC strikes, order 4601 Rectifier.
9. For 115/24VAC only*, order Adams Rite 4605 transformer. *or, with 4601 rectifier, 12VDC or 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.

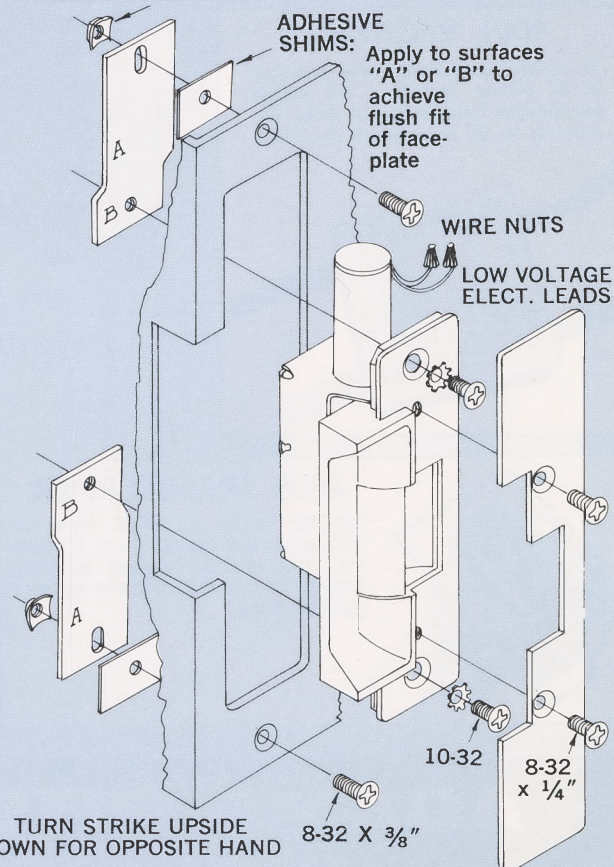
INSTALLATION

JAMB PREPARATION

VERTICAL CENTERLINE OF ELECTRIC RELEASE FACEPLATE DIRECTLY OPPOSITE CENTERLINE OF DEADLATCH (SERIES 4500)



PRESSED METAL NUT



ELECTRIC STRIKES 7540, 7540ANSI, 7550

BHMA TYPE E09322 FOR KEY-IN-KNOB LATCHES

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

CASE

1 1/8" x 4" x 1 1/2" deep. Steel, plated for corrosion resistance.

7550

STRIKE LIP

Basic 7540, 7540ANSI and 7550 strikes have lip of proper length for 1 3/4" thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip is available, specified by second dash number.

FACEPLATE

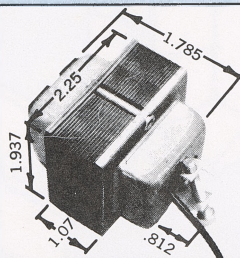
1 1/4" x 4 7/8". Flat. 7540 has radius corners, 7540ANSI and 7550 have square corners.

TRIM FINISH

Available in US3 (605) bright brass, US10 (612) satin bronze, US10B (613) oil-rubbed bronze, US28 (628) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black).

4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC, which is silent.



4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.

© 1971, 1972, 1973, 1974, 1976 by

FUNCTION:

Remote electrical control of any door equipped with one of key-in-knob type latchsets listed below. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact 7540 (or 7540ANSI) mechanism fits into hollow jamb sections as shallow as 1.6 inch. 7550 is designed for wood jambs.

OPTIONS:

Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of six finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). Available with extended strike lip (see chart). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains latchbolt only when electrically activated).

STRIKE OPENING

3/4" x 1 1/8" x 9/16" deep. Bolt retainer jaw brass. Strike accepts bolt of these latchsets:

MAKE	SERIES
ARROW	150, 152, 600, 1000
CORBIN	5600
DEXTER	7100, 7200, 7300
FALCON	A, E, V, 800
KWIKSET	400 LINE, 500 LINE
LOCKWOOD	H, S
NATIONAL	4-40
RUSSWIN	3300
SARGENT	6 LINE, 8 LINE, 9 LINE
SCHLAGE	A, B*, C-D except fire door latch
WEISER	A, E, X, 800
YALE	5300, 5400*

*Applicable only with 1/16" or more gap between door and jamb.

STANDARD PACKAGE

Individually boxed with mounting screws. 7540 includes mounting brackets and adhesive shims to accommodate jamb extrusion thickness greater or less than nominal 1/8 inch.

PATENTED



STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.

ADAMS RITE
MANUFACTURING CO.

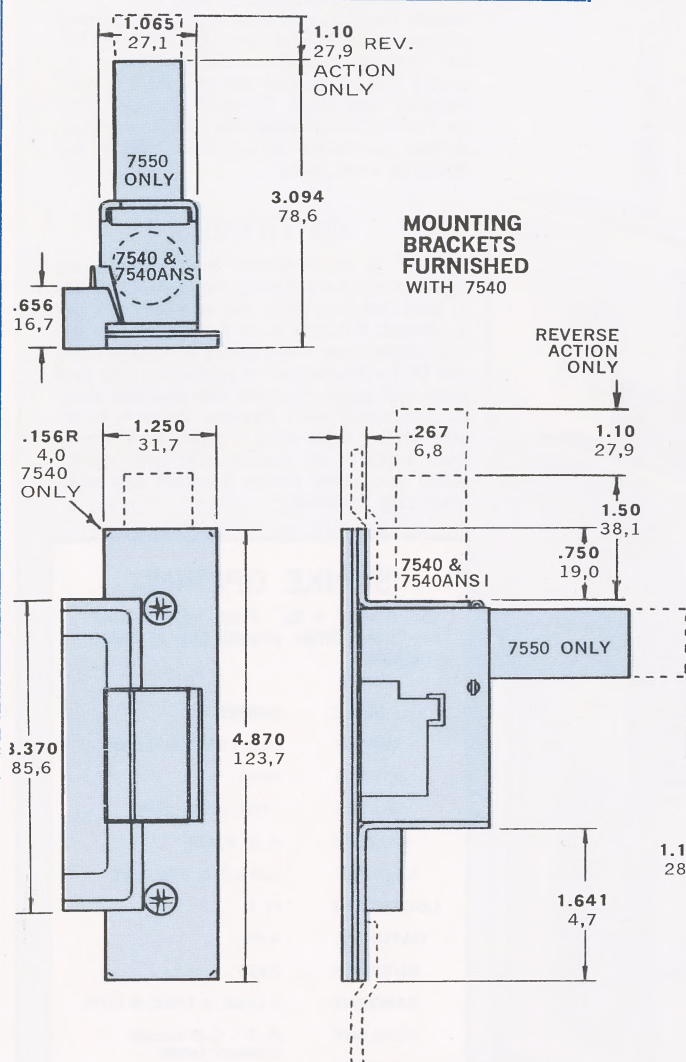


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

SW-36 H

7540, 7540ANSI, 7550 ELECTRIC RELEASES

DIMENSIONS

INCHES
MILLIMETERS

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. 7540 (for narrow stile jamb), 7540 ANSI (for hollow metal), or 7550 (for wood).
3. Add "M" if MONITOR Signal Switches required.
4. Specify as first dash no. VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC, or 48VDC.

SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"	SECOND DASH	DIM. "A"
NONE	1.06	-05	2.00	-10	2.63
-01	1.50	-06	2.13	-11	2.75
-02	1.63	-07	2.25	-12	2.88
-03	1.75	-08	2.38	-13	3.00
-04	1.88	-09	2.50		

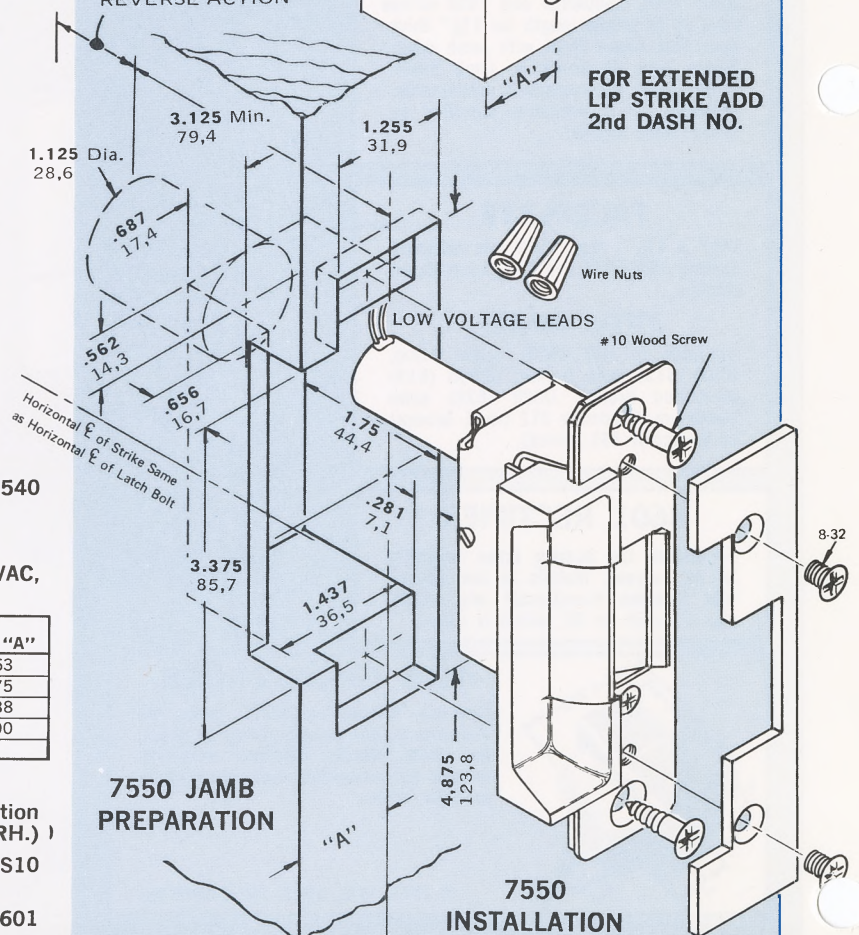
5. Specify second dash no. if extended lip required.
6. Specify DUTY: Intermittent, Continuous, or Reverse Action Continuous. (For Rev. Action, specify door hand: LH or RH.)
7. Specify FINISH: US28 (628, standard) or US3 (605), US10 (612), US10B (613), Hardcolor 312, or Hardcolor 335.
8. For silent operation of AC strikes, order Adams Rite 4601 Rectifier.
9. For 115/24VAC only*, order Adams Rite 4605 transformer. *or, with 4601 rectifier, 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.

INSTALLATION

7540 JAMB PREPARATION

VERTICAL CENTERLINE OF ELECTRIC RELEASE FACEPLATE DIRECTLY OPPOSITE CENTERLINE OF DEADLATCH

ADD 1.10 FOR REVERSE ACTION



Vertical $\bar{C}$ of Strike Mtg. Screws Same as Vertical $\bar{C}$ of Latch Mtg. Screws

TURN STRIKE UPSIDE DOWN FOR OPPOSITE HAND

ELECTRIC STRIKES

7560, 7560ANSI, 7570

BHMA TYPE E09322 FOR MORTISE LATCHES

FUNCTION:

Remote electrical control of any door equipped with one of mortise type latchsets listed below. Electrical actuation retracts strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact 7560 (or 7560ANSI) mechanism fits into hollow jamb sections as shallow as two inch. 7570 is designed for wood jambs.

OPTIONS:

Add "M" to Series Number for two monitoring signal switches which sense, respectively, whether latch bolt is in strike and whether strike jaw is blocked. A variety of six finishes (see below) is available from stock. Choice of voltage in AC and DC for intermittent or continuous duty (see chart next page). Available with extended strike lip (see chart). 4601 Rectifier available to silence buzzing noise which is normal in AC operation. Available on special order with reverse action (i.e. strike retains latchbolt only when electrically activated).

STRIKE OPENING

$\frac{3}{4}$ " x $1\frac{1}{16}$ " x $\frac{7}{8}$ " deep. Bolt retainer jaw brass. Strike accepts bolt of these latchsets (or panic exit devices):

MAKE	MODEL
ARROW	861½, 871½
BEST	21H, 22H
CORBIN	7000, 7200, 7500, 7800 6444, 6474, 01329
FALCON	M1000, M2000, M3000
GENERAL	1000, 2000
LOCKWOOD	T500, F500 B5100, 5500
MONARCH	B1200
PRECISION	800-M
RUSSWIN	1000, A1000, 2000, A2000
SARGENT	B904, 6700*, 7700*, 7800, 8100, 8200, 9100
VON DUPRIN	34, 58
YALE	62, 66, 4000, 8000

*Req. precise vertical alignment with electric strike

FACEPLATE

$1\frac{1}{4}$ " x $4\frac{7}{8}$ ". Flat 7560 has radiused corners, 7560ANSI and 7570 have square corners.

TRIM FINISH

Available in US3 (605) bright brass, US10 (612) satin bronze, US10B (613) oil-rubbed bronze, US28 (628) satin aluminum, Hardcolor 312 (med. bronze) or Hardcolor 335 (black).

STANDARD PACKAGE

Individually boxed with mounting screws. 7560 includes mounting brackets and adhesive shims to accommodate jamb extrusion thickness greater or less than nominal $\frac{1}{8}$ inch.

VOLTAGE

Available in a range of AC and DC, 24 VAC or 12VDC is recommended as "standard." DC units are silent, AC units "buzz" on operation but may be silenced by adding rectifier (Part No. 4601). See chart on next page. Although design and materials used preclude most of the traditional troubles of electric releases, it is still necessary to provide proper installation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and most important: a transformer with at least 20 VA output. See 4605 below.

7570

CASE

$1\frac{1}{16}$ " x 4" x $1\frac{25}{32}$ " deep. Steel, plated for corrosion resistance.

STRIKE LIP

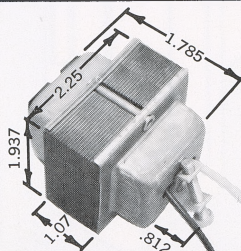
Basic 7560, 7560ANSI and 7570 strikes have lip of proper length for $1\frac{3}{4}$ " thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip is available, specified by second dash number.

4601 RECTIFIER

To silence the buzzing noise produced by AC current. Installs in low voltage line between transformer and strike. Not required on DC, which is silent.

4605 TRANSFORMER

Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.



PATENTED



STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.

© 1971, 1972, 1973, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.

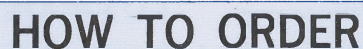


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

7560, 7560ANSI, 7570 ELECTRIC RELEASES

INCHES
MILLIMETERS



1. Specify QUANTITY.
2. Specify CATALOG NO. 7560 (for narrow stile jamb), 7560 ANSI (for hollow metal), or 7570 (for wood).
3. Add "M" if MONITOR Signal Switches required.
4. Specify as first dash no. VOLTAGE & CURRENT: 16VAC, 24VAC, 48VAC, 6VDC, 12VDC, 24VDC, or 48VDC.
5. Specify second dash no. if extended lip required.

6. Specify DUTY: Intermittent, Continuous, or Reverse Action Continuous. (For Rev. Action, specify door hand: LH or RH.)

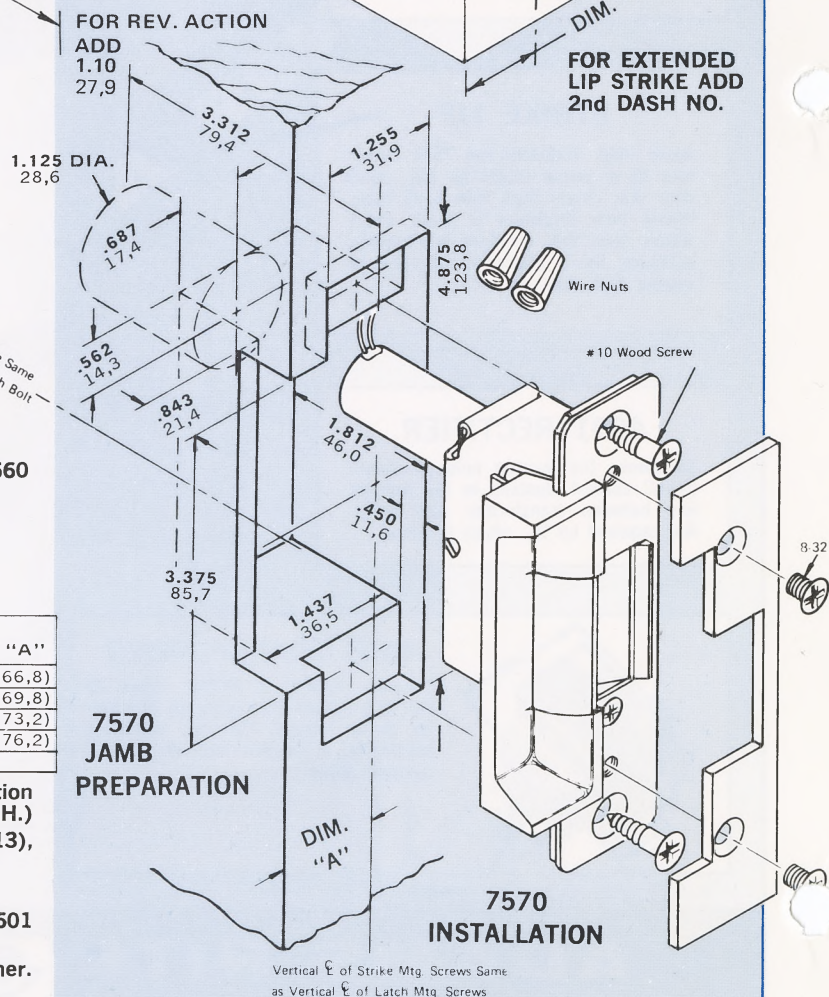
7. Specify FINISH: US3 (605), US10 (612), US10B (613), US28 (628), Hardcolor 312, or Hardcolor 335.

8. For silent operation of AC strikes, order Adams Rite 4601 Rectifier.
9. For 115/24VAC only*, order Adams Rite 4605 transformer.
*or, with 4601 rectifier, 24VDC (Int.).
10. To minimize current draw of 24VAC or 24VDC units, order 4602 Current Limiter.

7560
JAMB
PREPARATION

VERTICAL
CENTERLINE OF
ELECTRIC RELEASE
FACEPLATE
DIRECTLY
OPPOSITE
CENTERLINE OF
DEADLATCH

TURN STRIKE
UPSIDE DOWN
FOR
OPPOSITE
HAND



2-POINT WOOD DOOR DEADLOCK

MS1837

BHMA TYPE E8241

FUNCTION:

Maximum Security for wood door pairs by a single turn of a key is provided in the MS1837. Dropping a hardened steel hexbolt into the threshold and pivoting the massive M.S.® bolt into the opposite leaf, the MS1837 eliminates inconvenient and sometimes forgotten flushbolts in the inactive leaf.

OPERATION

360° turn of key (or thumbturn) throws counterbalanced bolt into opposite door and drop-bolt into threshold. Key can be removed only when bolts are in a positively locked or unlocked position. Accepts standard 1-5/32" mortise cylinder from either or both sides. Cylinder must have M.S. cam. (See catalog page SW-98.)

CYLINDER HEIGHT

36" standard. Other heights available on special order.

Cylinders not furnished but available.

CYLINDER BACKSET

1½" only.

CASE

Steel with corrosion-resistant plating. 1" x 6" x 2-3/16".

PIVOTED BOLT

5/8" x 1¾" x 27/8" with 1¾" throw. Five-ply laminated steel with Alumina-Ceramic anti-hacksaw core.

STRIKES

For M.S. bolt, a strike plate with dust box, is furnished. (See 4001-011). Threshold bolt strike can be a ½" diameter hole in metal threshold or if threshold is wood, HD28 strike is available as an optional extra.

ARMORED
FACEPLATE

Flat. Two-piece plate extends to bottom of door. Standard finish: US28 (628) satin aluminum, anodized.

PATENTED

THRESHOLD BOLT

Hexagonal ¾" (flat to flat). Hardened steel, plated for corrosion resistance.

STANDARD PACKAGE

Basic M.S. lock individually boxed with mounting screws. Hexbolt and rod packed separately with face extension plate, screws, bottom bolt guide and attachment pin. Shipping weight: 3 lbs.

© 1967, 1972, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

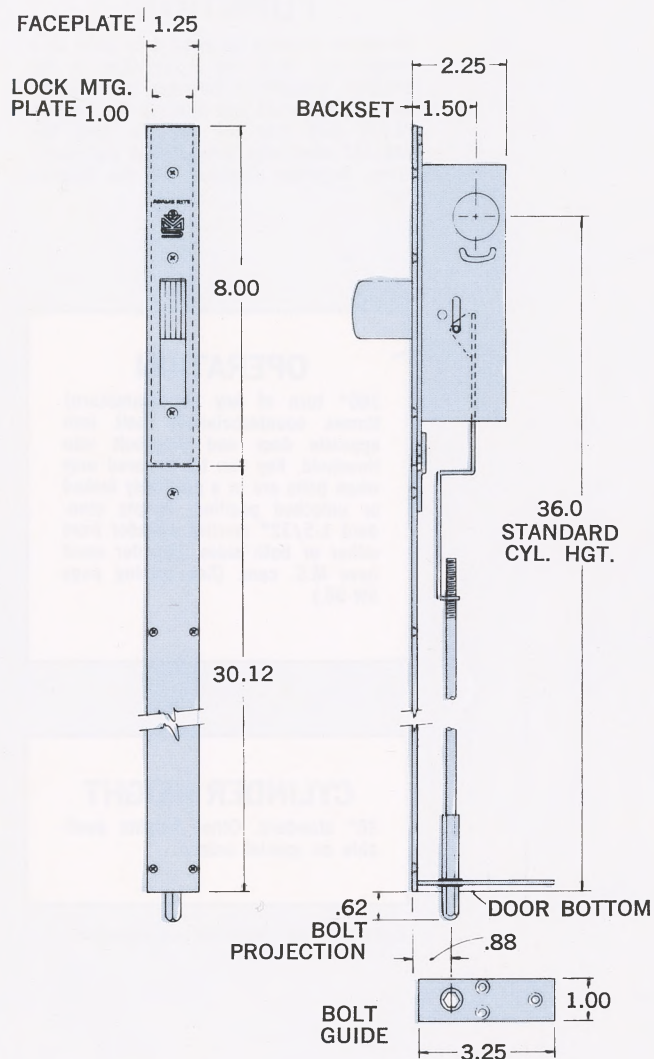
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-38

MS1837

2-POINT DEADLOCK

DIMENSIONS

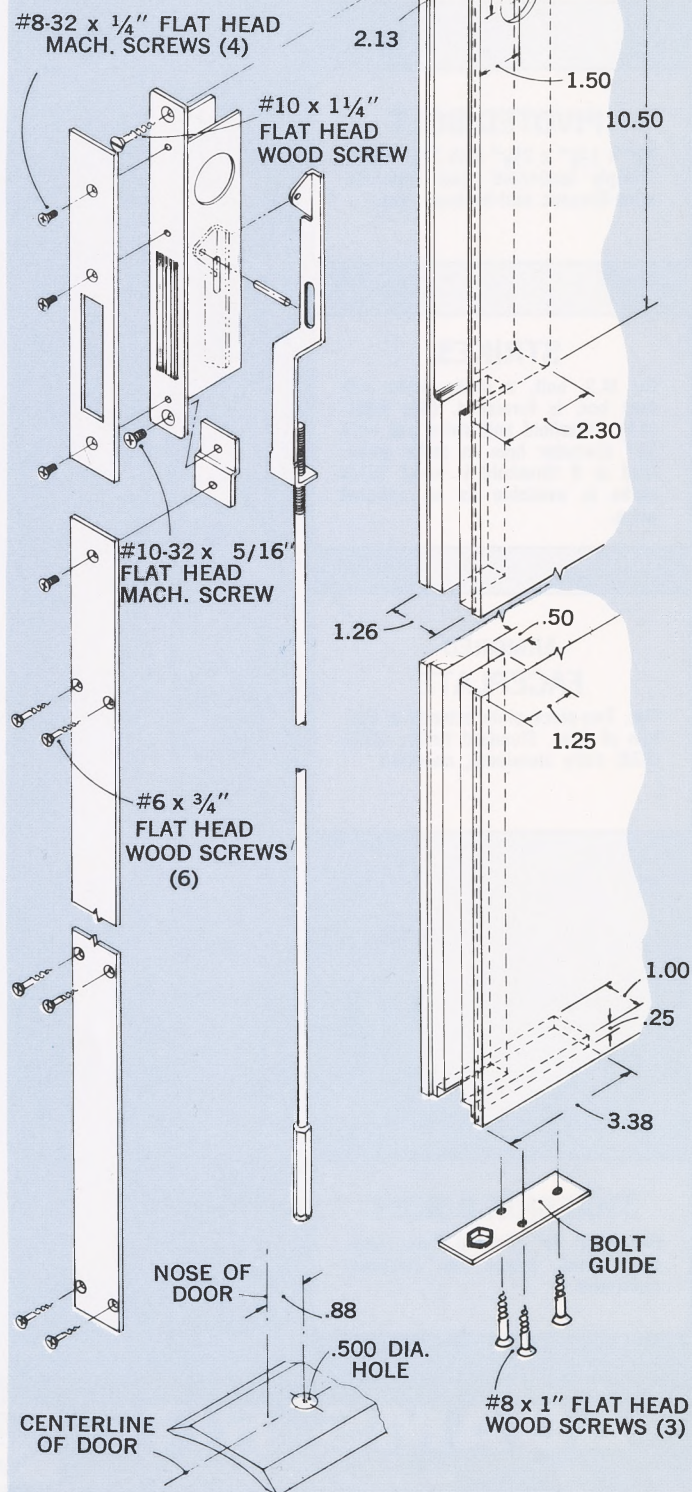


HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. MS1837.
3. If CYLINDER HEIGHT other than 36" is required, specify exact height from bottom of door to cylinder center.
4. If trim strike for threshold bolt is required, specify HD 28.

INSTALLATION

INSTALL ADAPTOR ARM IN LOCK FROM REAR WITH BOLT RETRACTED AS SHOWN. DRIVE PIN THROUGH SLOTS IN LOCK SIDE PLATES, PASSING THROUGH HOLE IN THE ADAPTOR ARM.



TWO-POINT DEADLOCK

1875

CASE

Steel with corrosion-resistant plating. 1" x 6 $\frac{1}{16}$ " x 2 $\frac{5}{8}$ " deep.

OPERATION

90° rotation of turn throws or retracts bolts (1.03 travel). 360° turn of key deadlocks mechanism, preventing operation of the turn in either locked or unlocked position.

FUNCTION:

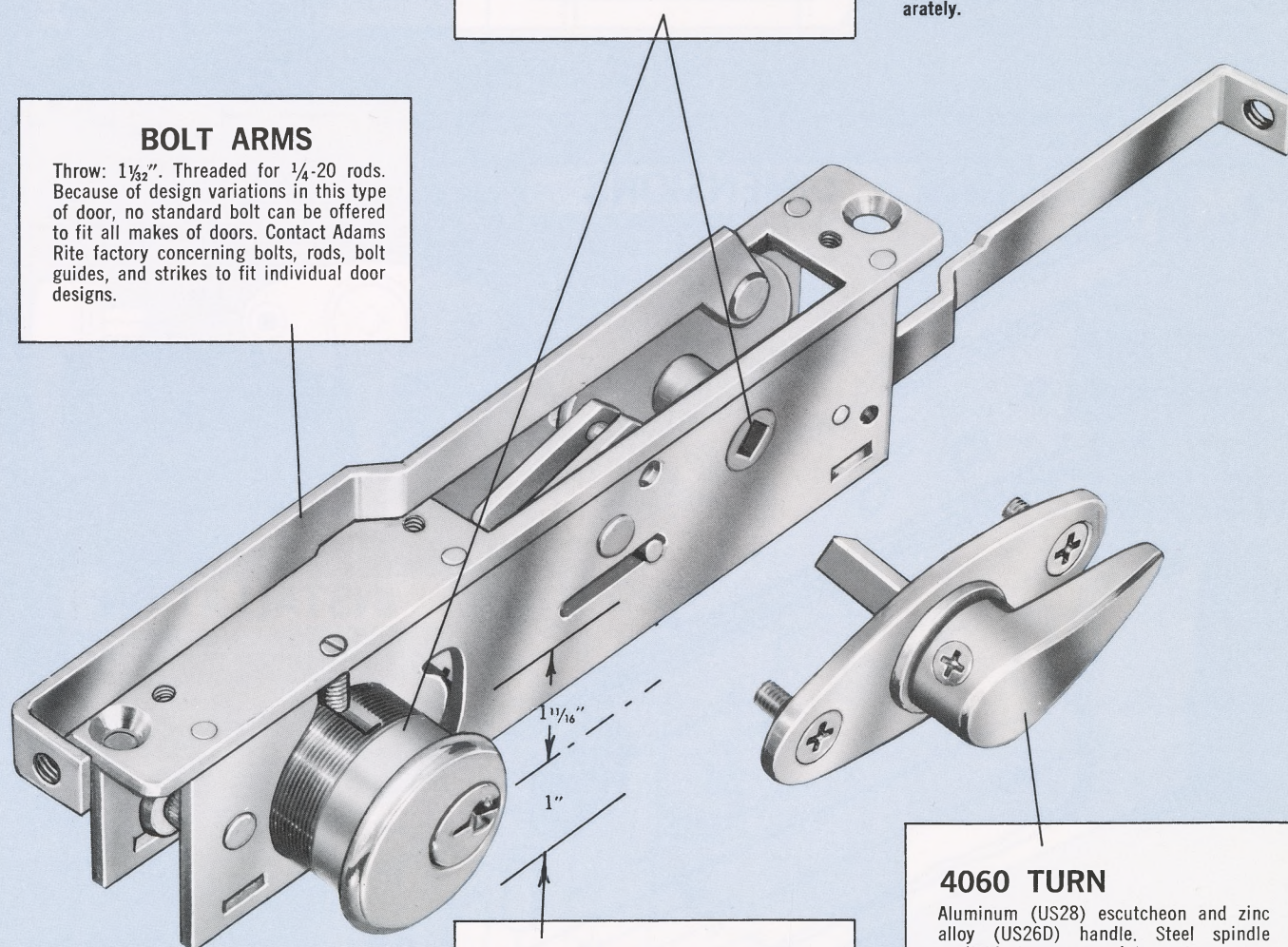
For overhead "garage" doors, roll-up security screens or similar doors. Provides turn operation of two bolts from either or both sides. Accepts standard mortise cylinder(s) for key control of bolts to secure them in either projected or retracted position.

OPTIONS:

4060 Turn shown is available with choice of spindle lengths. Bolts, connecting rods, bolt guides, and strikes are available on special order. Cylinders also available separately.

BOLT ARMS

Throw: 1 $\frac{1}{32}$ ". Threaded for $\frac{1}{4}$ -20 rods. Because of design variations in this type of door, no standard bolt can be offered to fit all makes of doors. Contact Adams Rite factory concerning bolts, rods, bolt guides, and strikes to fit individual door designs.



CYLINDER BACKSET

Bolt arms require inside stile clearance of 1 $\frac{1}{16}$ " on one side of cylinder center, 1" on the other.

4060 TURN

Aluminum (US28) escutcheon and zinc alloy (US26D) handle. Steel spindle available to accommodate various door thicknesses.

**MOUNTING SPACERS,
BOLTS, CONNECTING
RODS, GUIDES AND
STRIKES NOT
FURNISHED BUT
AVAILABLE ON
SPECIAL ORDER**

CYLINDERS NOT
FURNISHED BUT
AVAILABLE.

© 1971, 1975 by

ADAMS RITE
MANUFACTURING CO.

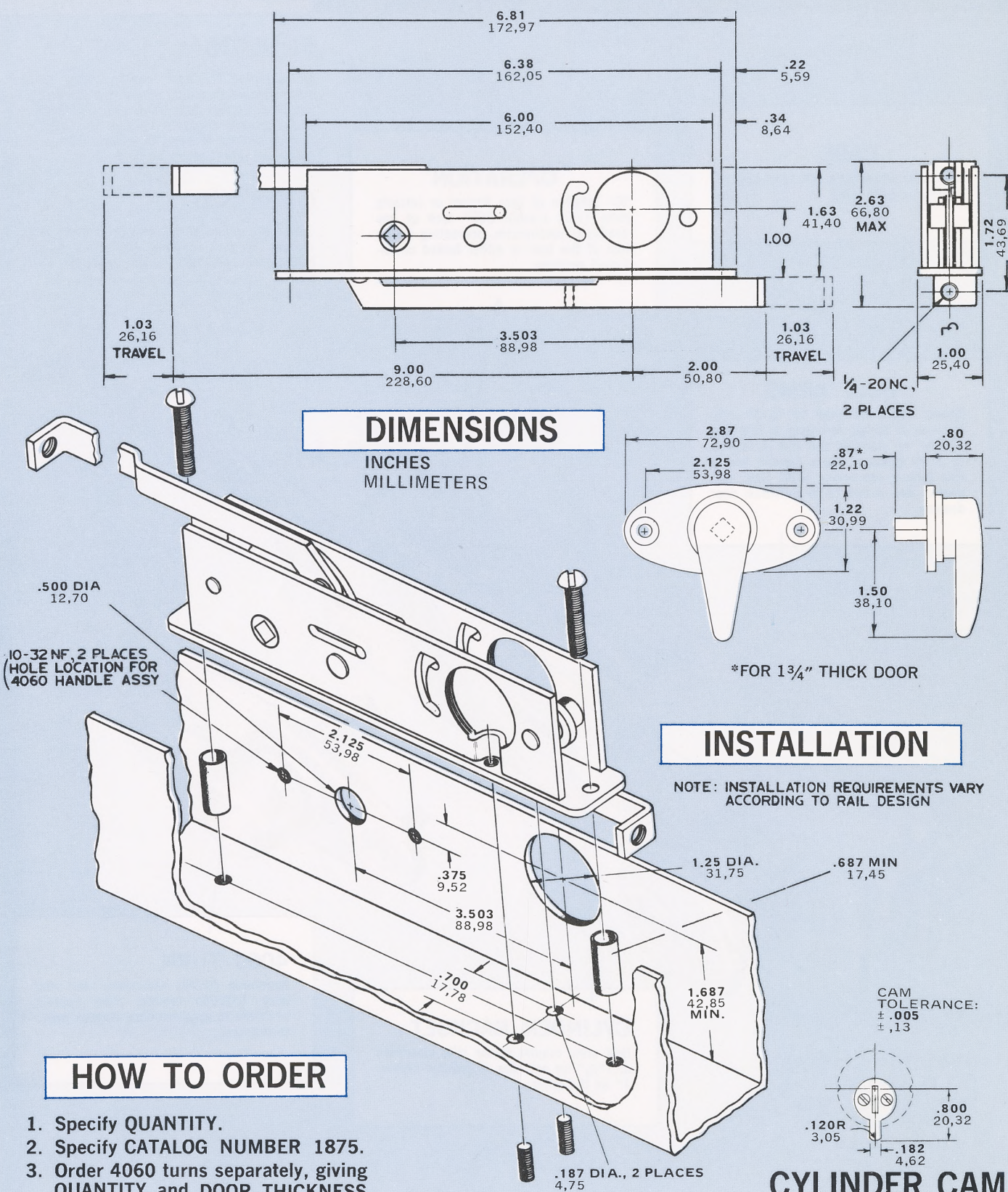


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-40

1875 TWO-POINT DEADLOCK



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 1875.
3. Order 4060 turns separately, giving QUANTITY and DOOR THICKNESS.
4. Order cylinders separately. See page SW-98.
5. Contact factory regarding mounting spacers, bolts, rods, guides, and strikes for a particular door design.

INSTALLATION

NOTE: INSTALLATION REQUIREMENTS VARY
ACCORDING TO RAIL DESIGN

CYLINDER CAM

1875 Locks are operable by any standard 1 5/32" diameter mortise cylinder with special M.S. cam dimensioned as shown. Cylinders with M.S. cams can be readily obtained from most cylinder mfrs.

MORTISE CYLINDER

4036

BHMA TYPE E19211

FUNCTION:

A standard $1\frac{1}{32}$ " cylinder with 5-pin tumbler security. Designed to operate any Adams Rite lock or latch requiring a mortise cylinder. Close-tolerance manufacture and inspection achieve setscrew grooves and cam which are true on their respective centerlines. This ensures proper mating and operation with the lock or latch mechanism.

OPTIONS:

Specify which Adams Rite lock or latch is to be operated. See next page for cam specifications. Specify finish.

STANDARD PACKAGE

Individually packed with key and trim ring.

SHELL

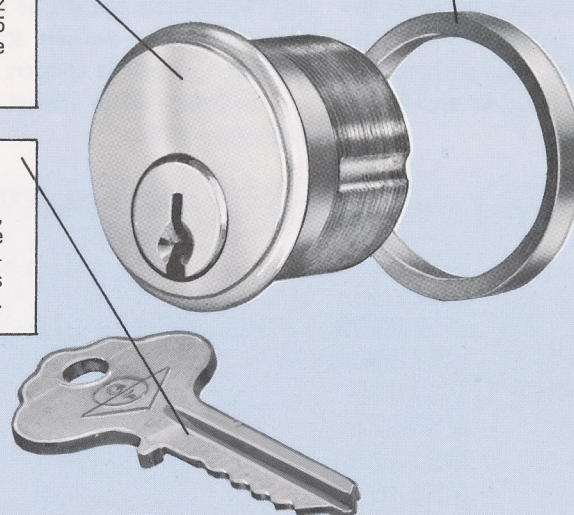
Brass. Aluminum scalp with US28 (628) satin finish or Hardcolor 312 (Med. Bronze) or Hardcolor 335 (Black). Plug US26 (625) chrome finish.

KEYING

Available in keyed-alike pairs (KA2), keyed-different (KD) and keyed-alike sets of 50 (KA50). For special keying, contact factory. All cylinders furnished with one key per cylinder.

TRIM RING

Furnished. $\frac{1}{4}$ " thick, suitable for $1\frac{3}{4}$ " thick doors. Available on special order for other door thicknesses.



MORTISE THUMBTURN

4066

FUNCTION:

To operate lock or latch without key. Interchanges with standard $1\frac{1}{32}$ " mortise cylinder. Cams are available to suit the particular Adams Rite lock or latch. See next page for cam specifications.

OPTIONS:

Specify which Adams Rite lock or latch to be operated. Specify finish.

STANDARD PACKAGE

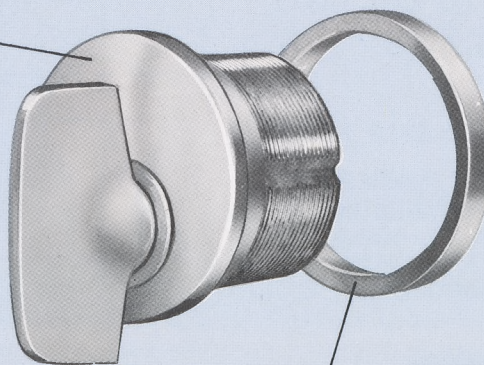
Individually packed with trim ring.

SHELL, TURN

Brass. Choice of five trim finishes: US28 (628) satin aluminum, Hardcolor 312 (Med. Bronze), Hardcolor 335 (Black), US3 (605) polished brass, or US10 (612) satin bronze.

TRIM RING

Furnished. $\frac{1}{4}$ " thick, suitable for $1\frac{3}{4}$ " thick doors. Available on special order for other door thicknesses.



© 1969, 1972, 1973, 1975 by

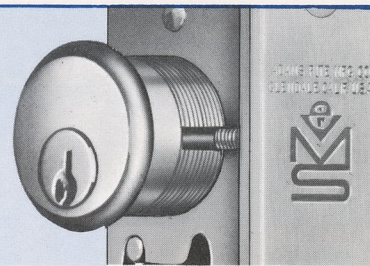
ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

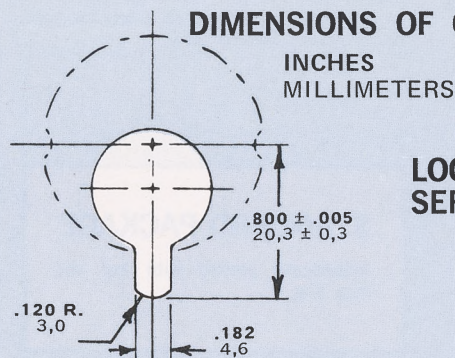
MORTISE CYLINDERS FOR LOCKS AND LATCHES



Adams Rite metal and glass door deadlocks and latches are designed to accept standard $1\frac{1}{2}$ " mortise cylinders of all popular makes. This means that the entrance can be keyed to match the system used throughout the building on other types of doors. Care must be taken however, to specify the proper cam for each type of lock, as these are not generally interchangeable.

The cam shapes shown below are available from the listed cylinder manufacturers and will be supplied by them with the cylinder when specified or available separately. Because of variations in attachment of cams to cylinders and other construction differences, it is advisable NOT to attempt using one manufacturers' cylinder with another's cam.

DIMENSIONS OF CAM TO OPERATE:



LOCK
SERIES

MS1837
MS1850
MS1850A
MS1850ANSI
MS1860
MS4093
MS+1890
MS1861
1870

LATCH
SERIES

4510
4520
4530

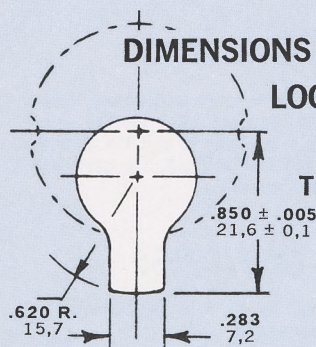
A special template to use as a guide in cutting down larger cams to the above dimensions is available from Adams Rite. Ask for Template HX446.

THIS CAM AVAILABLE FROM:

CYL. MAKE	CAM NO.
ADAMS RITE	MS
ARROW	C182
BEST	A5979
MEDECO 10-100 or 10-200	10-053A
CORBIN	111F55
FALCON	9899
GENERAL	B
KABA 20/KV 07 XS	M5XS
LOCKWOOD (ILCO)	4002-2R
RUSSWIN	111F55
RUSSWIN "RECORE"	362F42
SARGENT	47-40-101
SARGENT KESO	47-70-101
SCHLAGE (20-010 to 20-017)	B502-292
WEISER	9899
YALE 1152 Cyl., S1052H Turn	1161L
YALE 1154V Cyl., S1054H Turn	1161V
YALE 1155 Cyl., S1055 Turn	1166A
YALE 1194 Cyl.	1160L

DIMENSIONS OF CAM TO OPERATE:

LOCK SERIES 4070

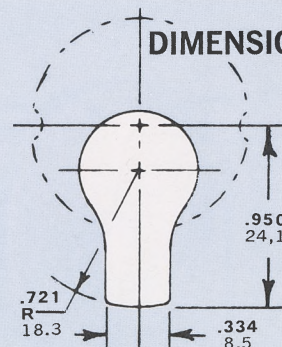


THIS CAM AVAILABLE FROM:

ABOVE CYLINDER
MANUFACTURERS
ON SPECIAL ORDER
(OR MAKE FROM
STANDARD CAM)

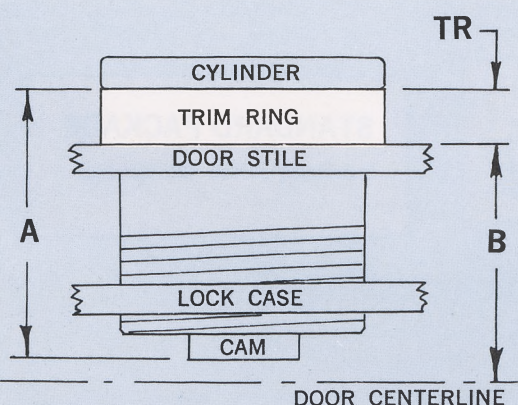
DIMENSIONS OF CAM TO OPERATE:

2331 DEADLOCK



THIS CAM AVAILABLE FROM:

ALL CYLINDER
MANUFACTURERS
(STANDARD CAM)



CYLINDER TRIM RING FOR NARROW STILES

Narrow stile doors require a trim ring to fill the gap remaining between the cylinder shoulder and stile when a standard mortise cylinder is used. If the security of the hardened steel Adams Rite MS4043 cylinder guard is not required, this ring may be simply a length of 1.171 I.D. tubing. Its length varies depending on door thickness or cylinder make and number of pins. The specific length required can quickly be determined by the following formula:

FOR M.S. LOCKS:

$$TR = A + .125 - B$$
3,2

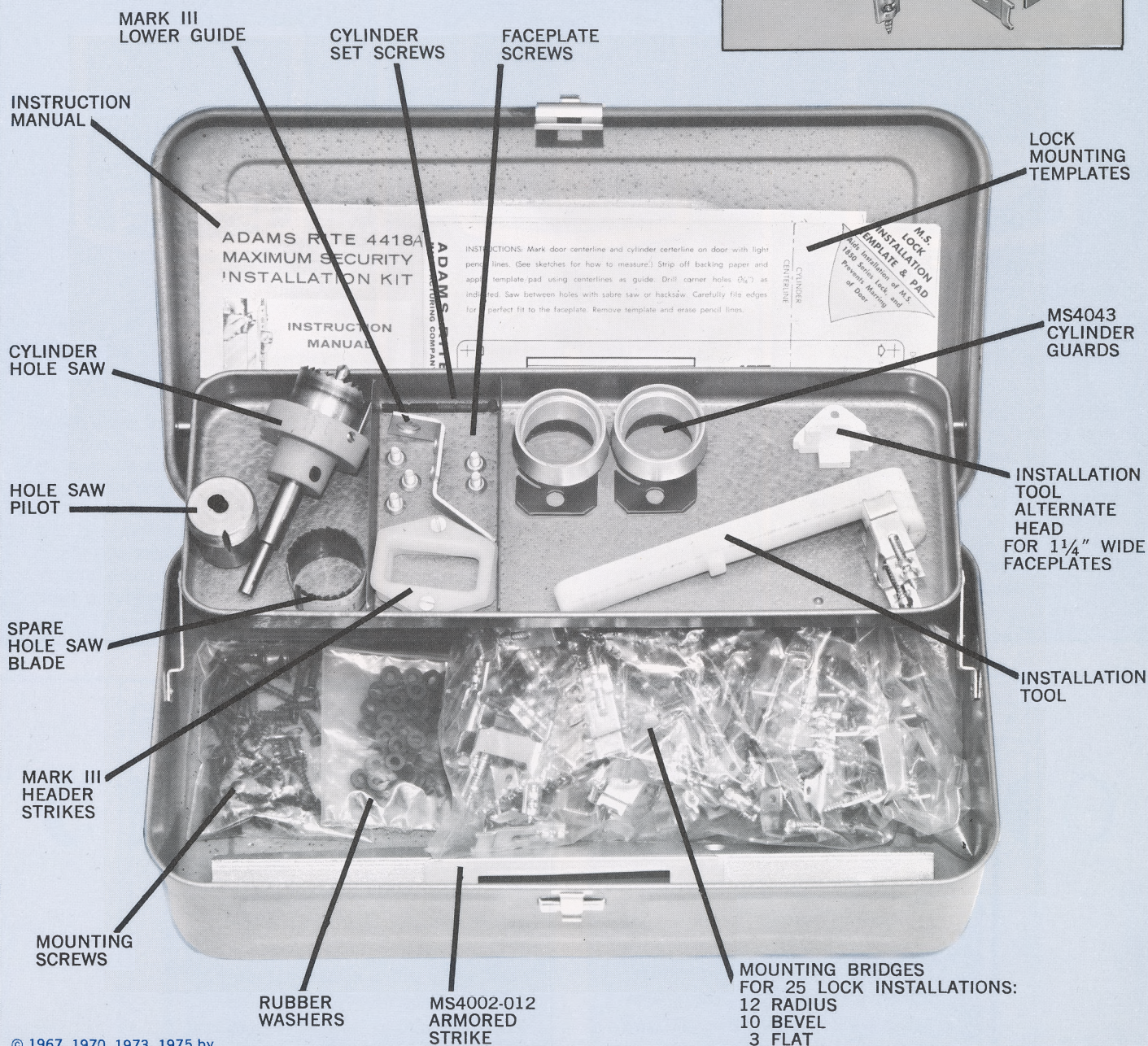
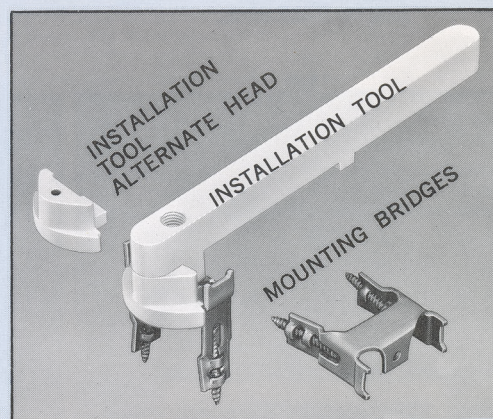
FOR 4500 SERIES LATCHES:

$$TR = A + .0312 - B$$
0,8

"TR" is the trim ring length. "A" is cylinder length (less shoulder but including cam). "B" is ONE-HALF of door thickness.

INSTALLATION KIT 4418A

For locksmiths or others who regularly install locks and latches in narrow stile aluminum and glass doors, Adams Rite provides this kit, complete with sturdy metal tool box. Basis of the installation kit is the mounting bridge shown at right with the positioning tool used to install it. The bridge is screwed into place, spanning the hollow door stile to provide a sturdy mounting surface for the lock, without the need to drill and tap the glass channel. See next page for details. The kit contains enough bridges, resilient washers, and screws for 25 installations. It also includes a special 1 $\frac{1}{32}$ " hole saw and hardened steel pilot plug for quick and perfectly aligned installation of MS4043 cylinder guards. Two cylinder guards, a spare hole-saw blade, armored strike, adhesive templates and miscellaneous spare parts are also furnished.



© 1967, 1970, 1973, 1975 by

ADAMS RITE
MANUFACTURING CO.



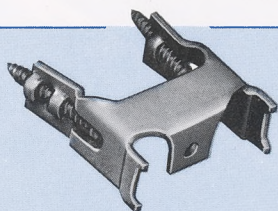
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SW-100

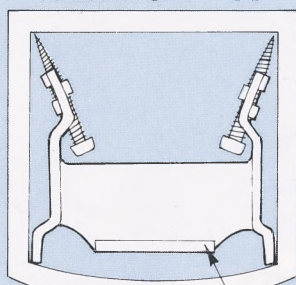
LOCK MOUNTING METHODS FOR NARROW STILE ALUMINUM DOORS

The three most prevalent methods of mounting locks and latches within the hollow tube stile of glass doors are shown in the accompanying illustrations.



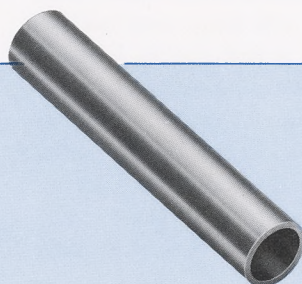
PATENTED

METHOD "A"

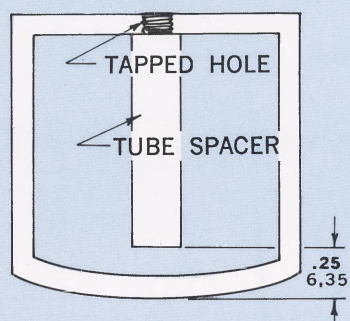


4104 BRIDGE
RESILIENT WASHER
MOUNTING SCREW
LOCK MOUNTING PLATE

Method "A" spans the stile with a steel bridge at top and bottom of the lock. A simple handle (Adams Rite Installation Tool 4075) is used to position the bridge accurately in the stile while its two screws are tightened to form a "web" in the door. Resilient washers allow for minor adjustment to fit the lock flush in door.



METHOD "B"



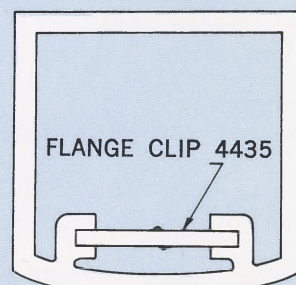
TAPPED HOLE
TUBE SPACER
MOUNTING SCREW
LOCK MOUNTING PLATE

Method "B" requires two tapped holes in the back web of the stile and tubular spacers of appropriate lengths. Some door manufacturers use a heavy coil spring in place of the tube to allow for minor adjustment.



PATENTED

METHOD "C"



FLANGE CLIP 4435
RESILIENT WASHER
MOUNTING SCREW
LOCK MOUNTING PLATE

Method "C" is used with doors whose stile extrusion shape contains a special inside channel to accept flange clips on which the lock is mounted. Several door manufacturers have incorporated this channel in their newest designs. It provides a convenient lock mounting means as well as adding overall strength to the stile.

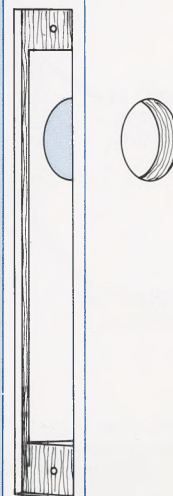


LOCK MOUNTING METHOD FOR HOLLOW METAL DOORS

Hollow metal doors with hardware preparation per ANS (formerly USA) standards have welded-in lock mounting tabs and require no modification to accept a lock manufactured with mounting pattern conforming to these standards. (Such as MS 1850ANS deadlock and 4520 deadlatch.)

LOCK MOUNTING METHOD FOR WOOD DOORS

A stepped mortise cutout is required in wood door installations. This mortise can be accomplished most easily with a router, but hand drill and chisel methods will suffice for single or low volume installations.



RITECOAT COLORS

U. S. STANDARD FINISH

US NO.	DESCRIPTION	RITE COAT
US 4	DULL BRASS	104
US 10	DULL BRONZE	110
US 19	SATIN BLACK	119
US 10B	OIL RUBBED (MED.) BRONZE	121
—	LIGHT BRONZE	123
US 28	SATIN ALUMINUM	130

The increasing popularity of "hardcolor" anodized aluminum and the use of traditional metals such as bronze and brass creates a problem for those who must match hardware to other elements of entrances. The problem is that a given treatment will not give a satisfactory color match when used on differing materials (e.g. color anodizing used on aluminum extrusions will not "take" on aluminum castings.)

Adams Rite has therefore developed Ritecoat finish which can be used to color any material and give a close to perfect color (and lustre) match for most popular finishes.

Ritecoat finish is not ordinary paint. It consists of several coats of a special epoxy enamel. It has been developed to give very good resistance to salt spray, smog and humidity. It is perfectly suitable for hardware that receives light to moderate wear.

"HARDCOLOR" FINISH

DURA- NODIC	KAL- COLOR	REYNO- COLOR	PERMA- NODIC	ANA- NODIC	RITE- COAT
GOLD ANOD.	GOLD ANOD.	GOLD ANOD.	GOLD ANOD.	GOLD ANOD.	104
—	—	—	—	—	110
335 BLACK	5140	5519 BLACK	NO. 29 BLACK	77	119
312E MD.BRZ.	6345	5634 BRONZE	NO. 28 MD.BRZ.	79 MD.BRZ.	121
311E GOLD	6320	5633 L.BRZ.	NO.26 L.BRZ.	78	123
STD. SATIN ANOD.	STD. SATIN ANOD.	STD. SATIN ANOD.	STD. SATIN ANOD.	STD. SATIN ANOD.	128

The accompanying chart shows the current "standard" Ritecoat finishes and the U.S. standards and "hardcolor" finishes for which they are the nearest match. Note that there is as yet no "standard" for "hardcolors." They vary between manufacturers and according to particular alloys used for extruding. An actual color sample furnished to Adams Rite is the best way to achieve the closest possible match for any color. See your Adams Rite representative for color chips of the "standard" Ritecoat colors shown on the chart.

*Duranodic is a trademark of Alcoa. Kalcolor is a trademark of Kaiser Aluminum. Reynocolor is a trademark of Reynolds Metals. Permanodic is a trademark of Kawneer. Ananodic is a trademark of Anaconda. Ritecoat is a trademark of Adams Rite Mfg. Co.

© 1967, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

DIMENSION EQUIVALENTS

INCHES:		METRIC:
DECIMAL	FRACTION	MILLIMETERS
.015625	1/64	.397
.03125	1/32	.794
.046875	3/64	1.191
.0625	1/16	1.588
.078125	5/64	1.984
.09375	3/32	2.381
.109375	7/64	2.778
.125	1/8	3.175
.140625	9/64	3.572
.15625	5/32	3.969
.171875	11/64	4.366
.1875	3/16	4.763
.203125	13/64	5.159
.21875	7/32	5.556
.234375	15/64	5.953
.25	1/4	6.350
.265625	17/64	6.747
.28125	9/32	7.144
.3125	5/16	7.938
.328125	21/64	8.334
.34375	11/32	8.731
.359375	23/64	9.128
.375	3/8	9.525
.390625	25/64	9.922
.40625	13/32	10.319
.421875	27/64	10.716
.4375	7/16	11.113
.453125	29/64	11.509
.46875	15/32	11.906
.484375	31/64	12.303
.5	1/2	12.700
.515625	33/64	13.097
.53125	17/32	13.494
.546875	35/64	13.891
.5625	9/16	14.288
.578125	37/64	14.684
.59375	19/32	15.081
.609375	39/64	15.478
.625	5/8	15.875
.640625	41/64	16.272
.65625	21/32	16.669
.671875	43/64	17.066
.6875	11/16	17.463
.703125	45/64	17.859
.71875	23/32	18.256
.734375	47/64	18.563
.75	3/4	19.050
.765625	49/64	19.447
.78125	25/32	19.844
.796875	51/64	20.241
.8125	13/16	20.638
.828125	53/64	21.034
.84375	27/32	21.431
.859375	55/64	21.828
.875	7/8	22.225
.890625	57/64	22.622
.90625	29/32	23.019
.921875	59/64	23.416
.9375	15/16	23.813
.953125	61/64	24.209
.96875	31/32	24.606
.984375	63/64	25.003
1.0	1	25.400

MATERIAL/FINISH STANDARDS

B.H.M.A. CODE	NEAREST U.S. EQUIV.	DESCRIPTION
602	US2C	Cadmium on Steel
603	US2G	Zinc on Steel
604	—	Zinc/dichromate on Steel
605	US3	Bright Brass
606	US4	Satin Brass
612	US10	Satin Bronze
613	US10B	Oil-rubbed Bronze
618	US14	Bright Nickel on Brass
619	US15	Satin Nickel on Brass
624	US20A	Dark Bronze
625	US26	Bright Chromium on Brass
626	US26D	Satin Chromium on Brass
627	US27	Satin Aluminum, clear coated
628	US28	Satin Aluminum, anodized
630	US32D	Satin Stainless Steel
631	US19	Flat black coated steel
632	US3	Bright Brass on Steel
639	US10	Satin Bronze on Steel
640	US10B	Oil-rubbed Bronze on Steel
645	US14	Bright nickel on Steel
646	US15	Satin nickel on Steel
651	US26	Bright Chromium on Steel
652	US26D	Satin Chromium on Steel
666	US3	Bright Brass on Aluminum
667	US4	Satin Brass on Aluminum
668	US10	Satin Bronze on Aluminum
667	US3	Bright Brass on Zinc
678	US4	Satin Brass on Zinc
680	US10	Satin Bronze on Zinc
682	US26D	Satin Chromium on Zinc
688	US28G	Satin Aluminum, Gold Anodized



© 1969, 1974, 1976 BY

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

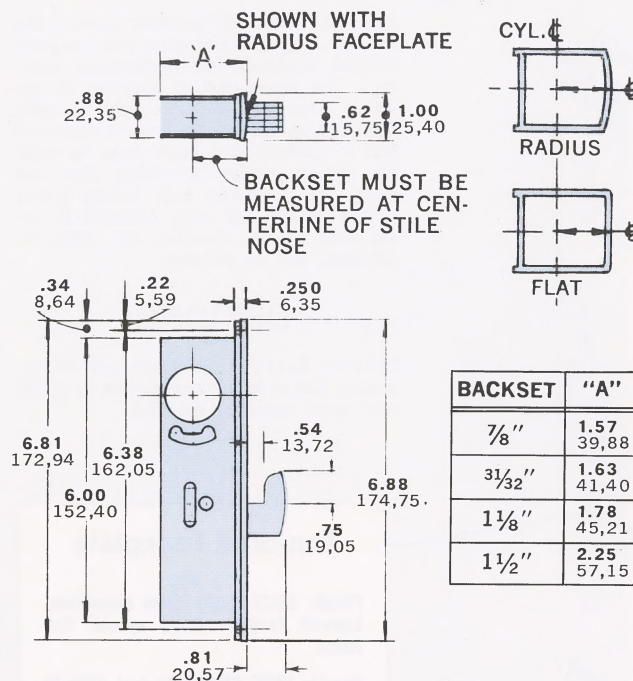
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

ADAMS RITE HARDWARE FOR DOORS THAT SLIDE

SL-2

MS1850A-505 DEADLOCKS

DIMENSIONS

 INCHES
MILLIMETERS


HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies lock with specific faceplate. See below:

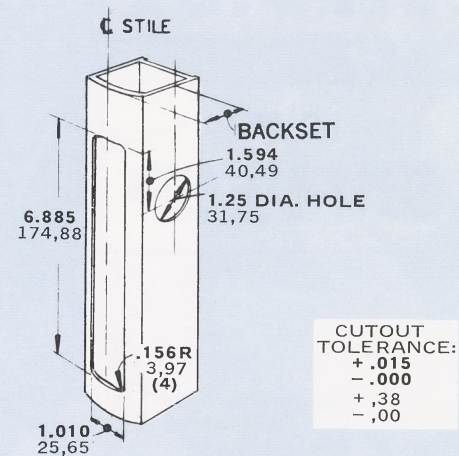
	FACEPLATE	CATALOG NO.
HQ384-020	FLAT	MS1850A-505
HQ384-120	RADIUS	MS1851A-505
HQ384-420	RADIUS WITH WEATHERSTRIP	MS1851AW-505
HQ384-220	LEFT BEVEL	MS1852A-505 (LH)
HQ384-320	RIGHT BEVEL	MS1852A-505 (RH)

3. Specify BACKSET:
7/8", 31/32", 1 1/8" or 1 1/2".

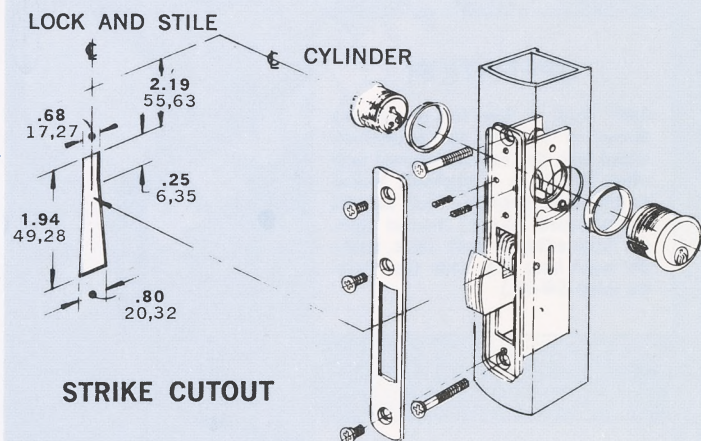
RELATED HARDWARE AND ACCESSORIES

1. Strikes. Page SW-7.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.

INSTALLATION



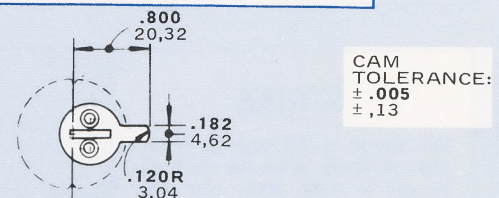
STILE PREPARATION



LOCK AND CYLINDER INSTALLATION

See Page SW-100 for Lock Mounting Methods.

CYLINDER CAM



MS1850A-505 Series Locks are operable by any standard 1 1/2" diameter mortise cylinder with special M.S. cam dimensioned as above. Cylinders with M.S. cams can be readily obtained from most cylinder manufacturers.

See Page SW-98 for Cylinder Make and Trim Ring information.

DEADLOCK SERIES

MS1850A-505

BHMA TYPE E8281

CYLINDER BACKSET

 $\frac{7}{8}$ ", $\frac{31}{32}$ ", $1\frac{1}{8}$ " or $1\frac{1}{2}$ " only.

CASE

Steel with corrosion-resistant plating.
1" x 6" x depth. (Depth varies with
backset. See table next page.)Cylinders not furnished
but available.

OPERATION

360° turn of key (or thumbturn)
throws or retracts the counterbal-
anced bolt. Key can be removed only
when bolt is in a positively locked
or unlocked position. Lock accepts
any standard 1-5/32" mortise cylin-
der from either or both sides. Cylin-
der must have M.S. cam. (See cata-
log page SW-98.)

BOLT

 $\frac{5}{8}$ " x $1\frac{3}{8}$ " with $\frac{13}{16}$ " throw. Five
ply laminated steel with Alumina
Ceramic core defeats any hacksaw
attack (including so-called super
hacksaws) while hook shape repels
prybar attempts to "spread" door
from its jamb or lift it off its track.

STRIKE

See reverse of this page for dimen-
sions of simple strike slot which can
be cut in metal jamb. (For other
strikes, see catalog numbers 4000,
4001 and MS4002.)

PATENTED

MS1851A-505
(ACTUAL SIZE)

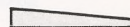
FUNCTION:

The M.S.® Hookbolt deadlock answers the
security need of sliding glass doors in com-
mercial, industrial and institutional build-
ings. The mechanism is identical to the
widely used Maximum Security swinging
door lock, except that the massive laminated
bolt is provided in a hook shape to resist
the parting motion of sliding door and
jamb. The overcenter M.S. locking action
assures that forced entry attempts to pry
the door in any direction; up, down, or
sideways, will be defeated.

OPTIONS:

Cylinder Backset and Faceplate Shape
(radius, flat or bevel cross-section to match
door nose) must be specified.

Armored Faceplate

1" x $6\frac{7}{8}$ "Finish: US28 (628) Satin aluminum.
Consult factory about special fin-
ishes.Specify FACE SHAPE by last digit in
catalog number:FLAT
MS1850A-505RADIUS
MS1851A-505RADIUS WITH
WEATHERSTRIP
MS1851AW-505LEFT BEVEL
MS1852A-505(LH)RIGHT BEVEL
MS1852A-505(RH)

STANDARD PACKAGE

Individually boxed with machine
screws for mounting and template
for adapting any cylinder cam to the
M.S. cam shape. Cylinders and/or
thumbturn available at extra cost.
Shipping weight: $1\frac{1}{2}$ lbs. Also avail-
able in a 25 unit pack for volume
users.

© 1967, 1972, 1975 by

ADAMS RITE
MANUFACTURING CO.4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

DEADLOCK SERIES

MS1850ANSI-505

BHMA TYPE E8281

CYL. BACKSET

 $1\frac{1}{2}$ " only.

ARMORED FACEPLATE

 $1\frac{1}{4}$ " x 8"

Finish: US28 Satin aluminum. Consult factory about special finishes.

Specify FACE SHAPE by last digit in catalog number:

FLAT
MS1850ANSI-505RADIUS
MS1851ANSI-505LEFT BEVEL
MS1852ANSI-505(LH)RIGHT BEVEL
MS1852ANSI-505(RH)

BOLT

$\frac{5}{8}$ " x $1\frac{3}{8}$ " with $\frac{1}{4}$ " throw. Five-ply laminated steel with Alumina-Ceramic core defeats any hacksaw attack (including so-called super hacksaws) while hook shape repels prybar attempts to "spread" door from its jamb or lift it off its track.

STRIKE

See reverse of this page for dimensions of simple strike slot which can be cut in metal jamb. (For other strikes, see catalog numbers 4000, 4001 and MS4002.)

FUNCTION:

For hollow metal or wood sliding doors prepared for hardware according to the specifications of the American National Standards Institute, this M.S.® deadlock provides maximum security and ease of installation. Its standard $1\frac{1}{2}$ " backset dimension provides adequate clearance for the deep jamb "pocket" of many commercial and industrial entrances. Also useful for swinging doors closing against jambs too shallow for the $1\frac{3}{8}$ " throw of the MS1850ANSI swinging door dead lock.

OPTIONS:

Choice of faceplate shape (flat, radius or bevel cross section to match door nose) must be specified.

OPERATION

360° turn of key (or thumbturn) throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard $1\frac{1}{2}$ " mortise cylinder or thumbturn from either or both sides. Cylinder must have M.S. cam. (See catalog SW-98.)

CASE

Steel with corrosion-resistant plating. 1 " x 6 " x $2\frac{1}{4}$ ".

STANDARD PACKAGE

Individually boxed with machine screws for mounting plus template for adapting any cylinder cam to the M.S. cam shape. Cylinders and/or thumbturn available at extra cost. Shipping weight: $1\frac{1}{2}$ lbs. Also available in a 20 unit pack for volume users.

PATENTED

Cylinders not furnished but available.

© 1971, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

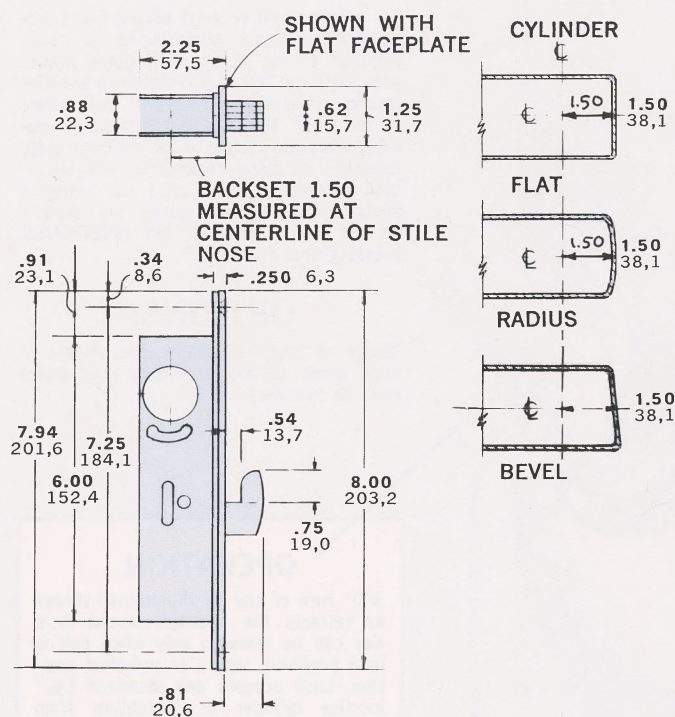
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-4

MS1850ANSI-505

DEADLOCKS

DIMENSIONS

INCHES
MILLIMETERS

HOW TO ORDER

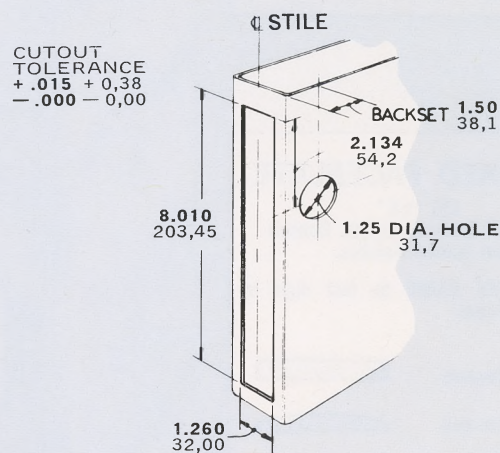
1. Specify QUANTITY.
2. Specify CATALOG NUMBER which identifies lock with specific faceplate. See below:

	FACEPLATE	CATALOG NO.
HQ226-020	FLAT	MS1850ANSI-505
HQ226-120	RADIUS	MS1851ANSI-505
HQ226-220	LEFT BEVEL	MS1852ANSI-505(LH)
HQ226-320	RIGHT BEVEL	MS1852ANSI-505(RH)

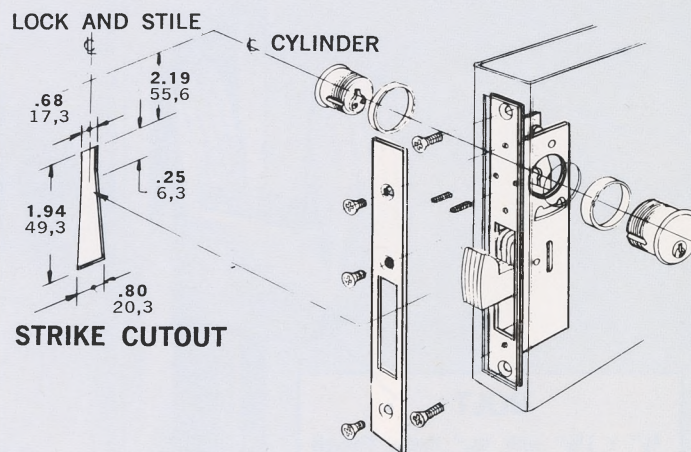
RELATED HARDWARE AND ACCESSORIES

1. Strikes. Page SW-7.
2. Cylinders. Page SW-97.
3. Cylinder Guard. Page SW-13.
4. Exit Indicator. Page SW-15.

INSTALLATION



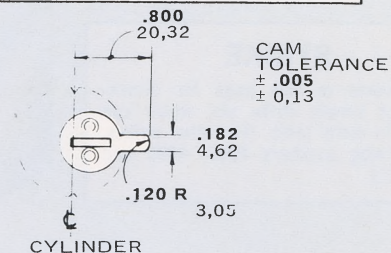
STILE PREPARATION



LOCK AND CYLINDER INSTALLATION

See Page SW-100 for Lock Mounting Methods.

CYLINDER CAM



MS1850ANSI-505 Series Locks are operable by any standard 1 5/32" diameter mortise cylinder with special M.S.® cam dimensioned as above. Cylinders with M.S. cams can be readily obtained from most cylinder manufacturers.

See Page SW-98 for Cylinder Make and Trim Ring information.

DEADLOCK**2331**

BHMA TYPE E16121

BACKSET

1 3/4" only.

CASE

Zinc alloy.

PATENTEDCYLINDERS
NOT FURNISHED
BUT AVAILABLE**OPERATION**

360° turn of key (or thumbturn) extends and expands or retracts and withdraws the bolt. Key cannot be removed unless bolt is positively locked or totally retracted.

ARMOR FACEPLATE

Flat. 1' x 5 3/4". Brass. Specify trim finish US3 (605), US10 (612) or US26D (626).

FUNCTION:

A heavy-duty deadlock for heavy-duty metal or wood sliding doors, the 2331 throws a massive brass bolt into its strike, then expands two solid brass dogs to secure the door. A single turn of key extends and expands or retracts and withdraws the bolt. Operates with standard mortise cylinder (standard cam) or with standard mortise cylinder type thumb-turn. There is no latch action.

OPTIONS:

Specify trim finish: US3 Polished Brass (605), US10 Dull Bronze (612) or US26D Satin Chrome (626).

BOLT

1/2' x 1 1/2'. Throw: 3/4" horizontally, with 1/32" expansion above and below main bolt. Brass with dual hardened steel anti-hacksaw pins.

STRIKE

1/8" x 1" x 4 1/4" with 5/8" x 1 5/8" opening. Brass. Four-screw mounting. Trim finish same as faceplate.

STANDARD PACKAGE

Boxed individually with strike and wood screws for mounting lock and strike. Shipping weight: 2 lbs.

© 1967, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

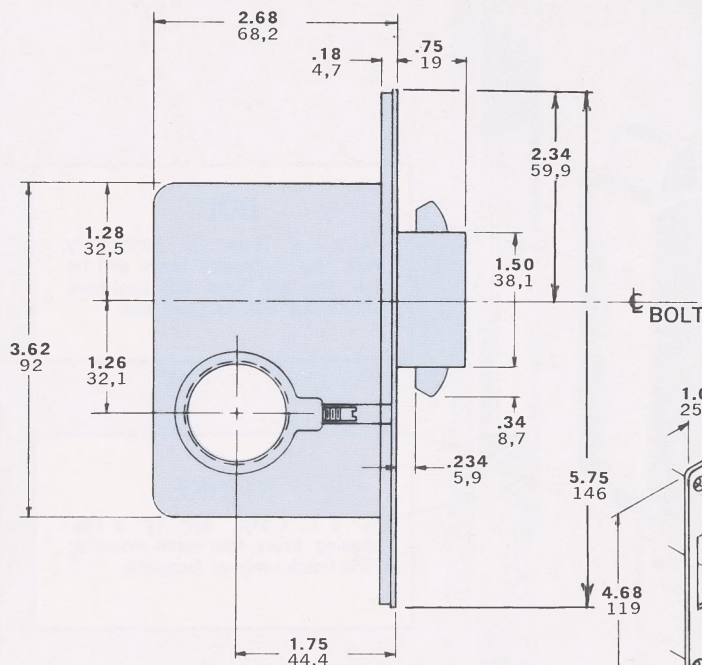
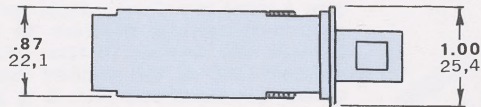
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-6

2331 DEADLOCK

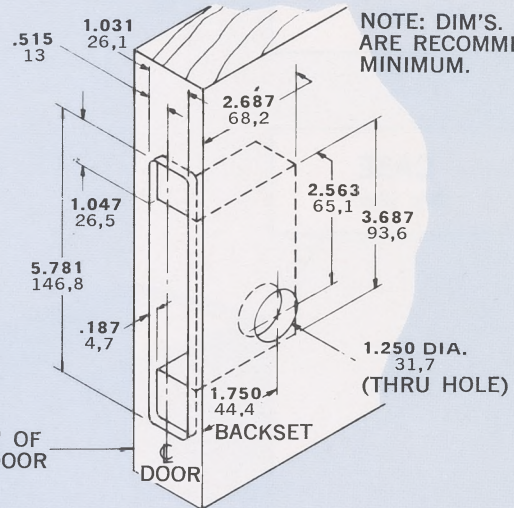
DIMENSIONS

INCHES
MILLIMETERS

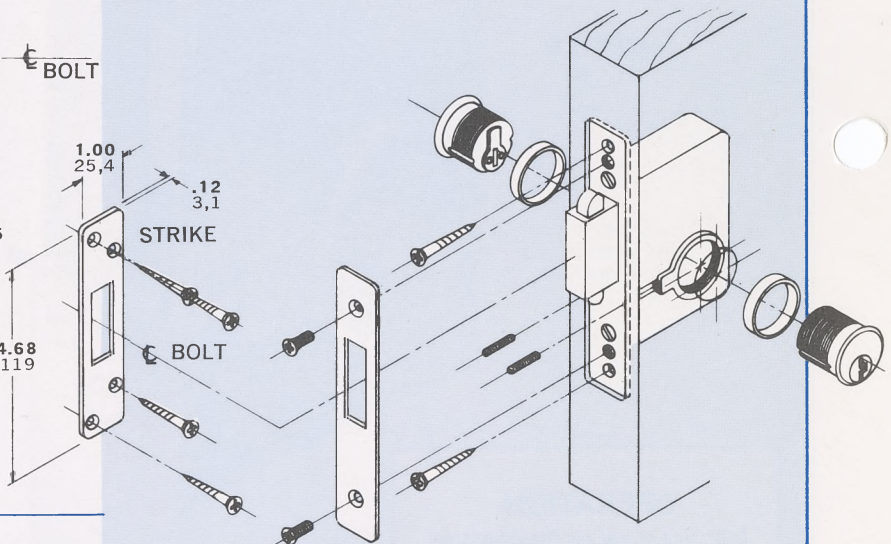


INSTALLATION

NOTE: DIM'S. SHOWN
ARE RECOMMENDED
MINIMUM.



DOOR PREPARATION



LOCK AND CYLINDER INSTALLATION

HOW TO ORDER

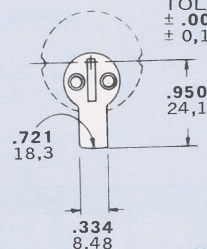
1. Specify QUANTITY.
2. Specify CATALOG NUMBER 2331.
3. Specify FINISH (US 3, US 10 or US 26D).
(605) (612) (626)

RELATED HARDWARE AND ACCESSORIES

1. Cylinders and Thumbturns. Page SW-97.

CYLINDER CAM

TOLERANCE:
± .005
± 0,13



2331 Deadlocks are operable
by any standard 1½" diam-
eter mortise cylinder with
standard cam dimensions as
shown. Cylinders with such
cams can be readily obtained
from most cylinder manufac-
turers.

DEADLOCK OR LATCH SERIES

MS1848

BHMA TYPE E8291

CASE

$\frac{1}{2}$ " x $3\frac{3}{16}$ " x $1\frac{1}{8}$ "
Steel, plated for corrosion resistance. Stainless steel case and bolt adjustment screw available on special order.

MS1848 DEADLOCK (ACTUAL SIZE)

OPERATION

Can be operated by a standard cylinder, so the glass door may be keyed-in with other types of doors. (See cylinder pulls, page SL-11 and turns, SL-9.) Three hub slot positions allow installation even where jamb and stile design provides severely limited turn clearance. See dash number drawings, next page.

FACE

Rectangular or full radiused ends. (See dash numbers.)

ANTI-LIFT BOLT

3-Ply laminated stainless steel. Designed to withstand approximately one-half ton force, either horizontal or vertical. (Stops both door-from-jamb prybar attacks and attempts to lift the door from its track.)

PATENTED

MS1848-02 DEADLOCK

(ACTUAL
SIZE)

SEE DRAWINGS
NEXT PAGE
FOR OTHER
DASH NUMBERS

FUNCTION:

A compact lock to fit within very narrow sliding door stiles without compromising in any way the high degree of security these doors need. The sturdy stainless steel bolt has two important features not usually found in sliding door hardware. First, it is adjustable: A full $\frac{3}{16}$ " lengthening or shortening of bolt projection is possible by turning an exposed screw in the face of the lock. This can compensate for a considerable misalignment between door and jamb. Secondly, the MS1848 bolt is self-protecting. If the door is closed with bolt in locked position, the bolt will retract immediately on contact with the jamb, thus preventing damage or accidental lock-out.

OPTIONS:

Hub position, Face end shape, and lock or latch function are specified by dash number. See table next page.

LATCH VERSION

The same stainless steel hookbolt, but spring-loaded for automatic latching is provided by the MS1848-08, MS1848-11, MS1848-13 and MS1848-16. All dimensions and available accessories for MS1848 lock also apply to MS1848 latches.

STANDARD PACKAGE

Case-packed with machine screws for mounting. Shipping weight: $\frac{1}{3}$ lb.

© 1967, 1972, 1974, 1975 by

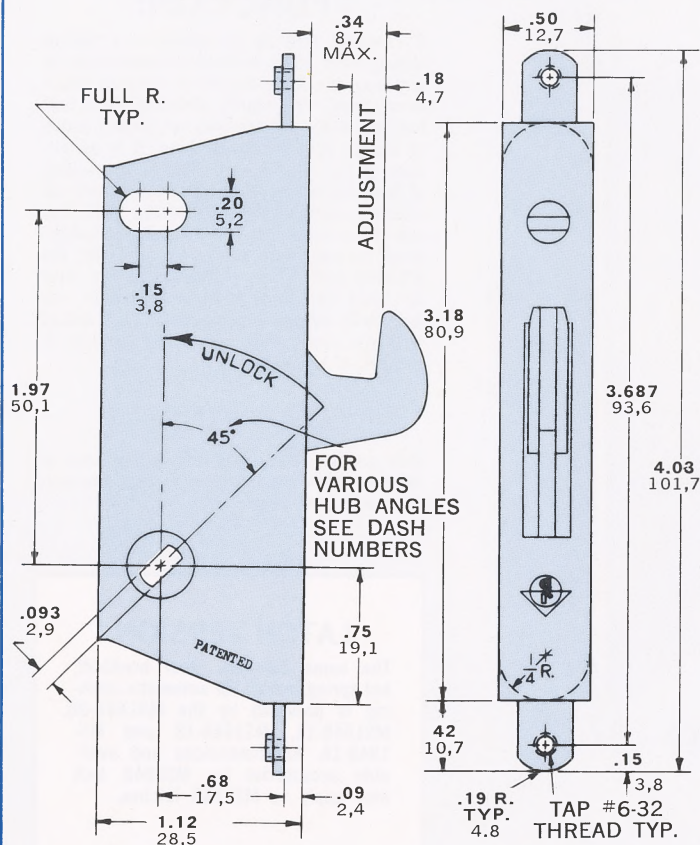
ADAMS RITE
MANUFACTURING CO.



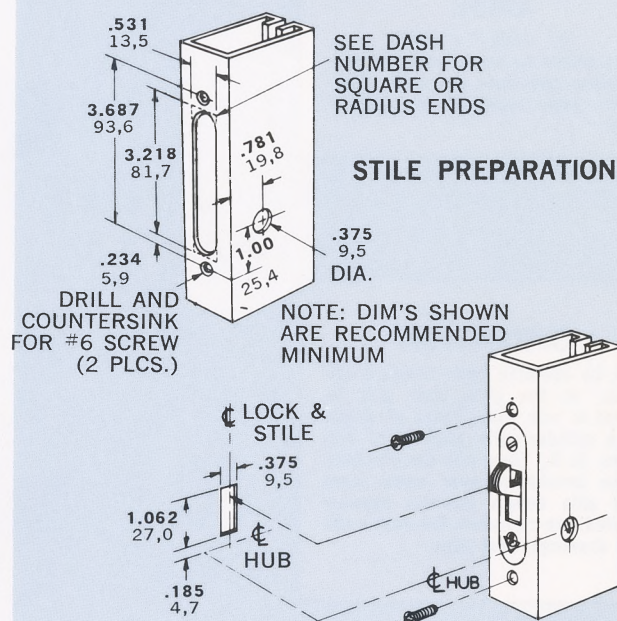
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

INCHES
MILLIMETERS



INSTALLATION

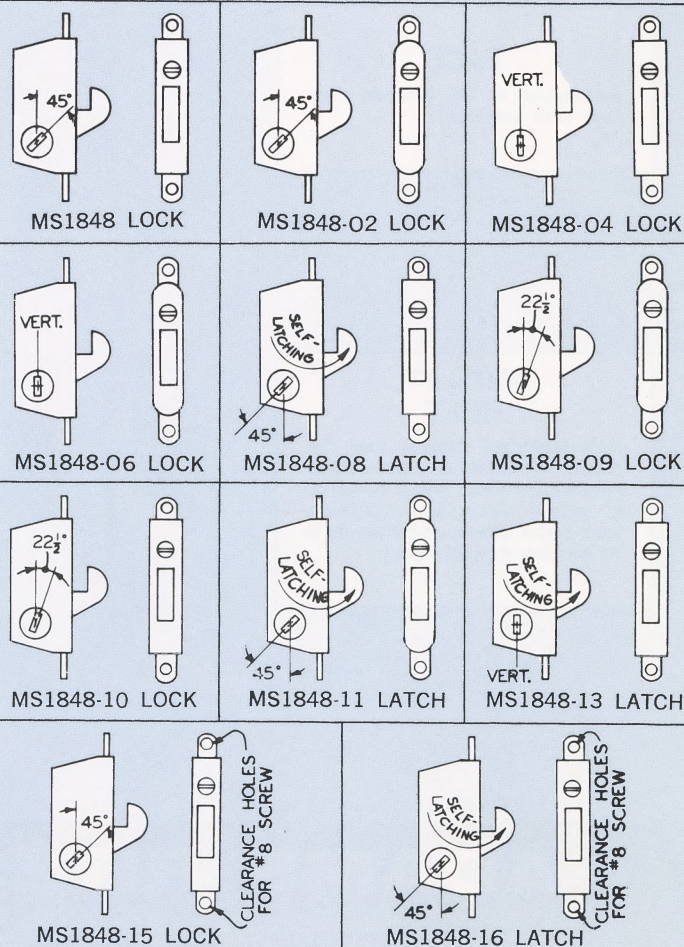


HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** including **DASH NUMBER** which indicates face shape, hub angle and whether lock or latch. See table at right.

RELATED HARDWARE AND ACCESSORIES

1. **Strike plate.** See Series 4800 and 4804.
2. **Trim Plate** for wood door mounting. See 4805.
3. **Turns.** See Series 1000 and 1010.
4. **Cylinder Pulls.** See 4024 and 4025.



WOOD DOOR DEADLOCK

5015

BHMA TYPE E8292

FUNCTION:

For wood framed sliding doors the 5015 deadlock provides the same thousand pound strength that the 1848 deadlock provides for metal stiles. A deeper backset clears the recessed jamb used with wood doors. Bolt throw is easily adjusted by means of a screw in the faceplate. Mounting is by through-bolts and binder-posts.

OPTIONS:

4808 Box Strike available. See Series 1000 turns.

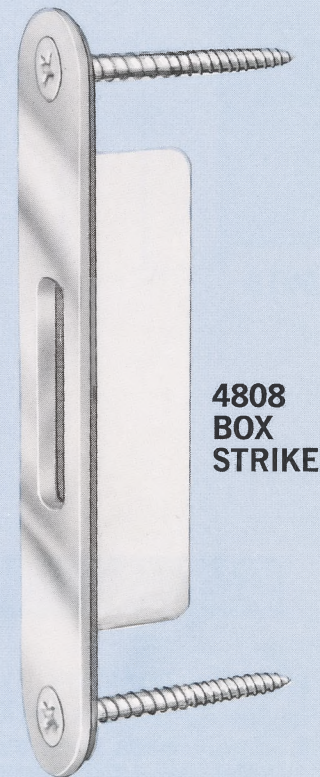
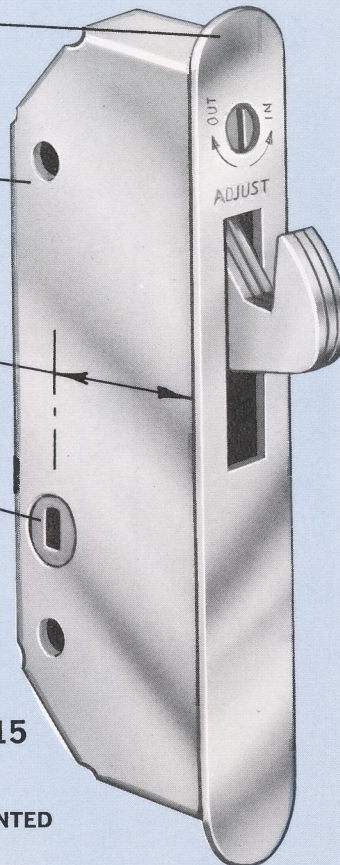
FACEPLATE
5/8" x 4 1/2" with radiused ends. Steel with corrosion-resistant plating.

CASE
1/2" x 4" x 1 1/32" deep. Steel with corrosion-resistant plating. Bolt is laminated stainless steel.

BACKSET
1 3/8" (1.25 including faceplate).

OPERATION
45° rotation of turn or key throws or retracts bolt. Bolt is self-protecting: If door is slammed while bolt is extended, it will retract, preventing damage or accidental lockout.

5015
PATENTED



4808
BOX
STRIKE

© 1971, 1973, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

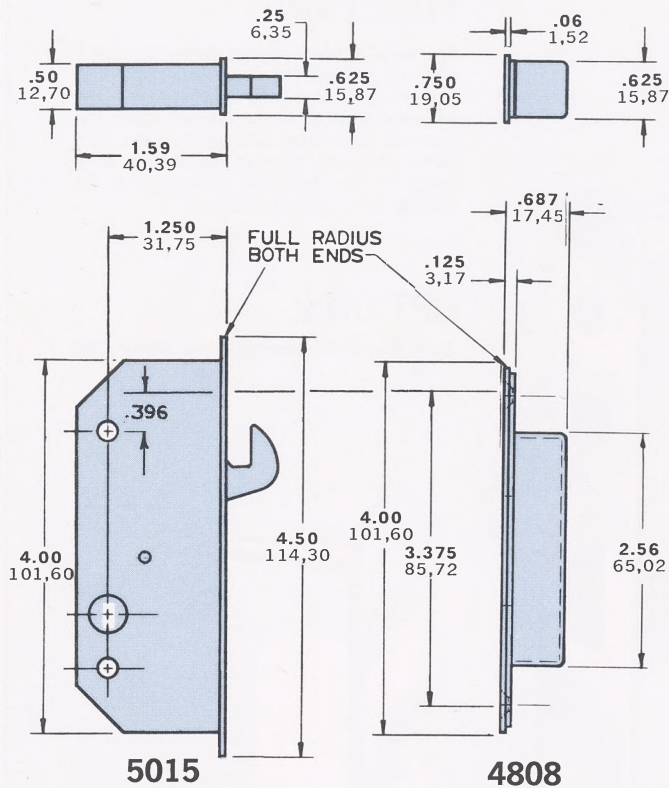
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SL-8B

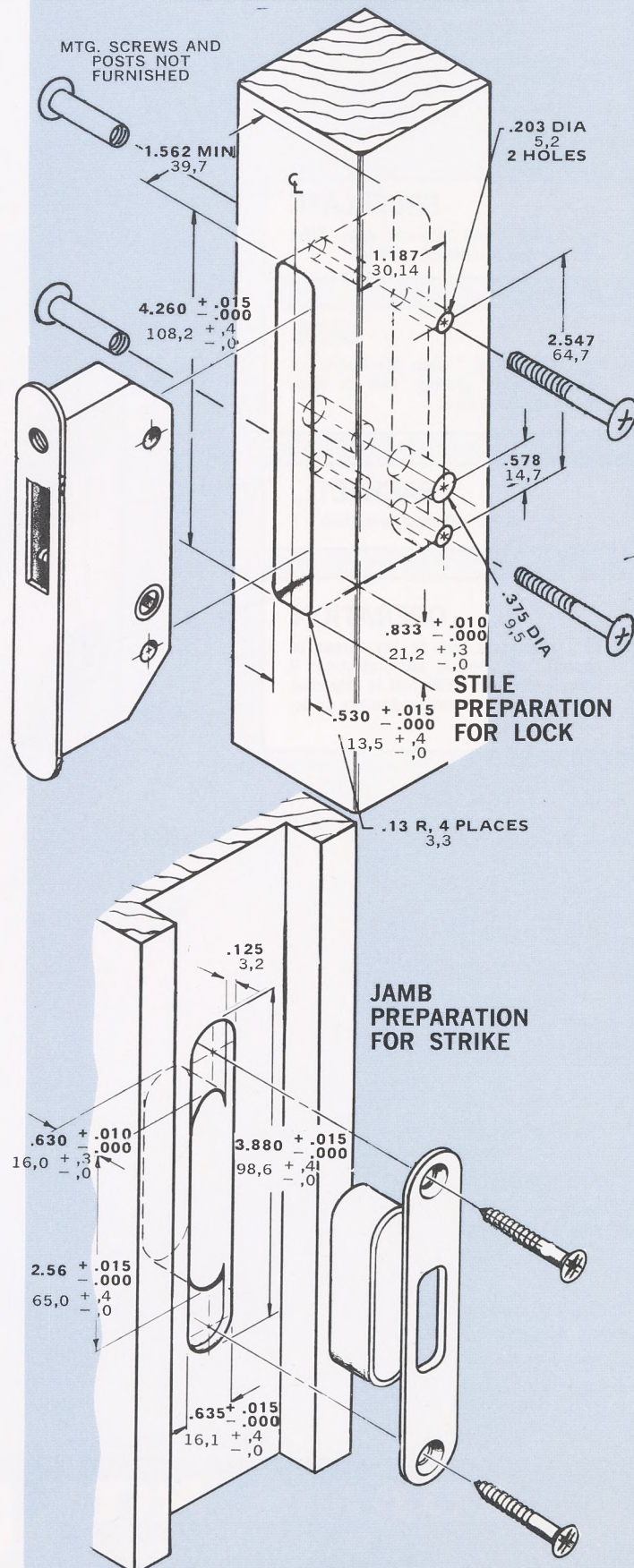
5015 DEADLOCK & 4808 STRIKE

DIMENSIONS

INCHES
MILLIMETERS



INSTALLATION



HOW TO ORDER

1. Specify QUANTITY.
2. Specify deadlock CATALOG NO. 5015.
3. Specify 4808 Strike if required.
(Also see: 4800, MS4804)

TURN SERIES 1000

SPINDLES

Hardened steel, plated for corrosion resistance. First Dash number indicates spindle parallel or perpendicular to turn lever. Second Dash number indicates spindle length.

TURN LEVER

Zinc alloy. Trim finish US26D (682) Satin chrome.

ESCUTCHEON

Steel, Trim finish US26D (652) Satin chrome.

FUNCTION:

Series 1000 turns are designed to operate Adams Rite MS1848 deadlocks and latches. 1000-11 and 1000-21 have a rectangular escutcheon for mounting directly on door. 1000-01 and 1000-02 are without escutcheon, designed for easy push-nut mounting to door pull or other trim plate.

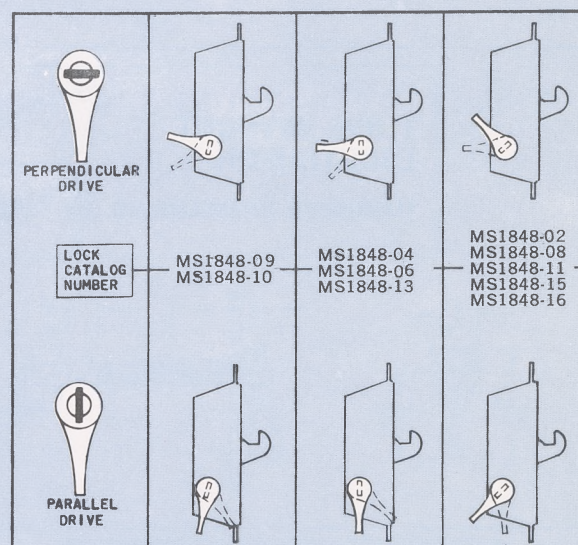
OPTIONS:

The availability of both perpendicular and parallel drives in these turns, coupled with the three hub drive positions of the MS1848 lock, provides several options. Choice of turn drive position relates directly to the particular lock hub drive position. Special care in specifying both the proper turn and lock in ordering is recommended. Drawings below show turn positions relative to lock hub positions. Broken line indicates direction of travel (45°) to retract bolt.

1000-02

1000-11

1000-21



STANDARD PACKAGE

Individually packaged in coin envelope. Dash-21 and Dash-11 assembled, with escutcheon. Dash-01 and Dash-2 un assembled, include turn, spindle, washer and push nut for assembly on the door pull plate. Shipping weight $\frac{1}{16}$ lb.

© 1967, 1970, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-10

1000 TURNS

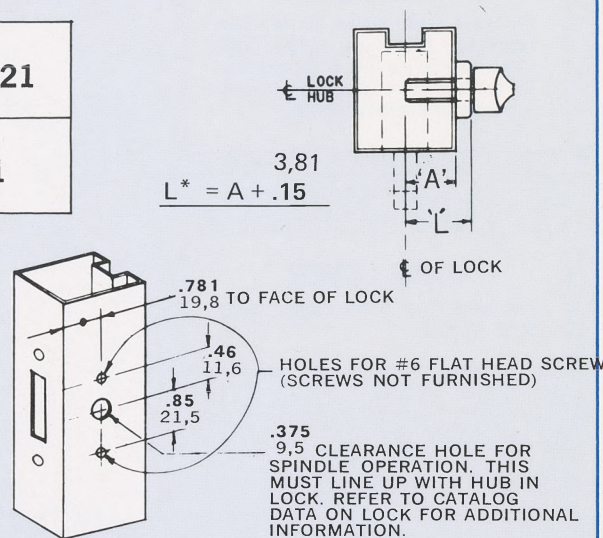
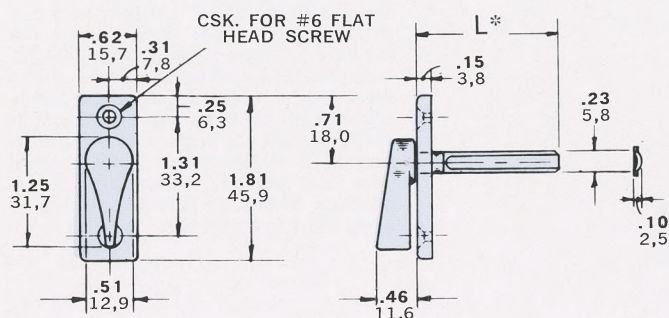
DIMENSIONS

INCHES
MILLIMETERS

INSTALLATION

TURN WITH
ESCUTCHEON

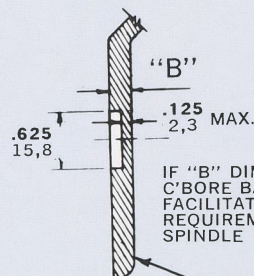
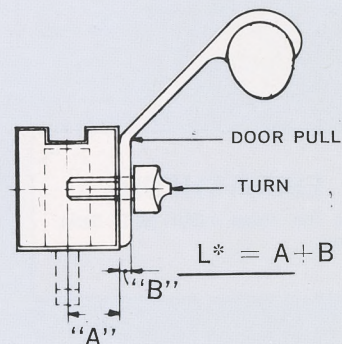
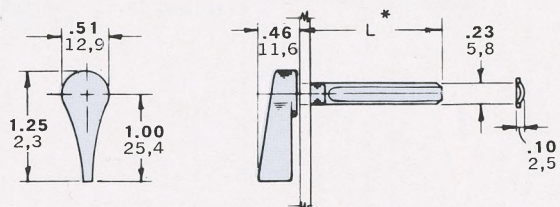
FURNISHED ASSEMBLED

PERPENDICULAR
DRIVEPART NO.
1000-21PARALLEL
DRIVEPART NO.
1000-11

STILE PREPARATION, DASH -11 or -21

TURN WITHOUT
ESCUTCHEON

FURNISHED UNASSEMBLED

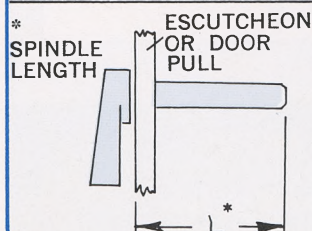
PERPENDICULAR
DRIVEPART NO.
1000-02PARALLEL
DRIVEPART NO.
1000-01

IF "B" DIMENSION EXCEEDS .125, C'BORE BACK SIDE AS SHOWN TO FACILITATE ASSEMBLY. C'BORE REQUIREMENT DOES NOT AFFECT SPINDLE LENGTH DETERMINATION.

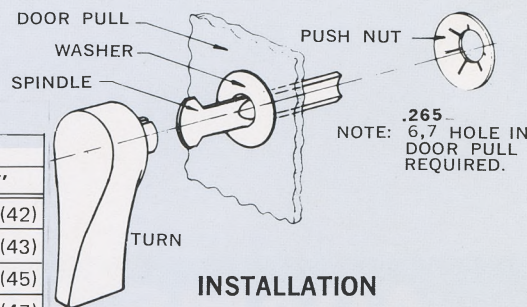
DOOR PULL

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER including FIRST DASH NUMBER (which indicates drive and escutcheon options) and SECOND DASH NUMBER (which indicates spindle length). See below:



SECOND DASH NUMBER							
NO	"L"	NO	"L"	NO	"L"	NO	"L"
-11	.54 (13)	-17	.92 (23)	-23	1.29 (33)	-29	1.67 (42)
-12	.61 (15)	-18	.98 (24)	-24	1.36 (34)	-30	1.73 (43)
-13	.67 (16)	-19	1.04 (26)	-25	1.42 (36)	-31	1.79 (45)
-14	.73 (18)	-20	1.11 (28)	-26	1.48 (37)	-32	1.86 (47)
-15	.79 (20)	-21	1.17 (30)	-27	1.52 (38)		
-16	.86 (22)	-22	1.23 (31)	-28	1.61 (41)		



INSTALLATION
DASH-01 or -02

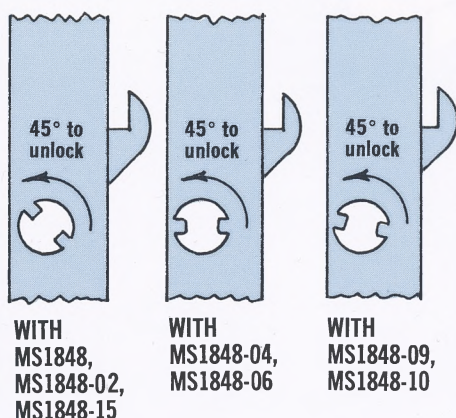
LIMITED-ACCESS TURN 1010

FUNCTION:

For climate-controlled buildings with metal-framed sliding or pivoted windows, the 1010 turn provides an economical defense against unauthorized opening. Operated only by a simple spanner wrench, the 1010 allows maintenance personnel to open a window for washing or emergency ventilation. Other people (if they even realize the button is an operator) are discouraged from tampering because they lack the proper operating tool. This is an inexpensive and unobtrusive alternative to a conventional pin-tumbler cylinder and key. (See page SL-11.) The turn is permanently installed by hand-pressing it into a $\frac{3}{8}$ " hole in the window frame.

COMPATIBLE DEADLOCKS

The 1010 is designed to operate the Adams Rite Series MS1848 deadlock used for maximum security on sliding glass doors. Its stainless steel bolt has been tested to loads of over 1,000 lbs. (See Page SL-7.)



NOTE: Do NOT use 1010 turn with MS1848 series latches: MS1848-8, MS1848-11, MS1848-13, or MS1848-16. The added friction it introduces into the mechanism to discourage tampering interferes with the self-latching action of their bolts.

MATERIAL

Turn button molded nylon in "natural" off-white color. Spindle is steel, plated for corrosion resistance.

MS1848 DEADLOCK

1010
(ACTUAL SIZE)

STANDARD PACKAGE

Individually packed, with spanner wrench, in coin envelope. Shipping weight: 1/16 lb.

© 1970, 1972, 1974 by

ADAMS RITE
MANUFACTURING COMPANY

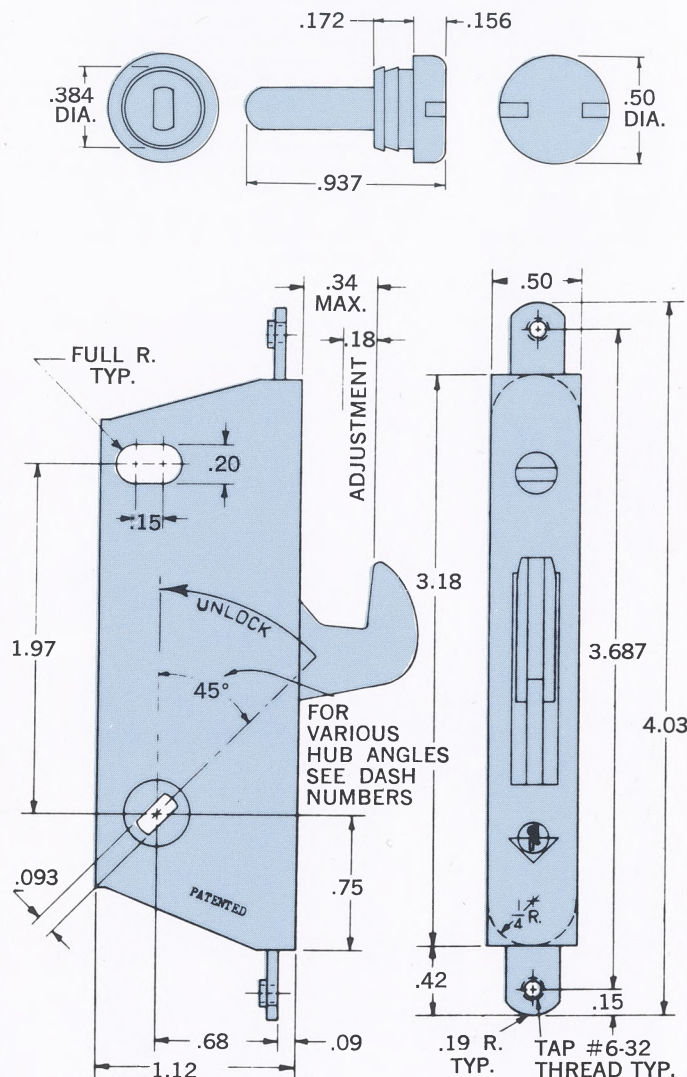


ARCHITECTURAL PRODUCTS
4040 SOUTH CAPITOL AVENUE
CITY OF INDUSTRY, CALIF. 91744

SL-10B

1010 LIMITED-ACCESS TURN

DIMENSIONS

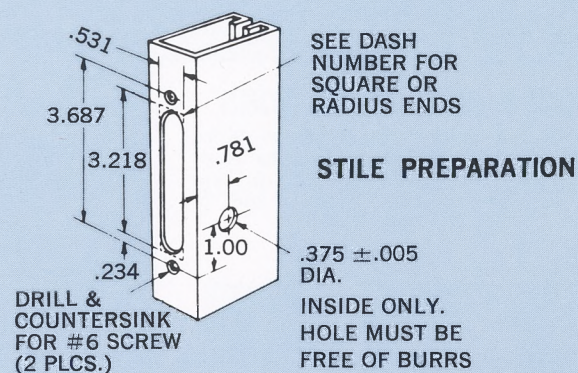


MS1848 DEADLOCK See Page SL-7
(Shown for reference only)

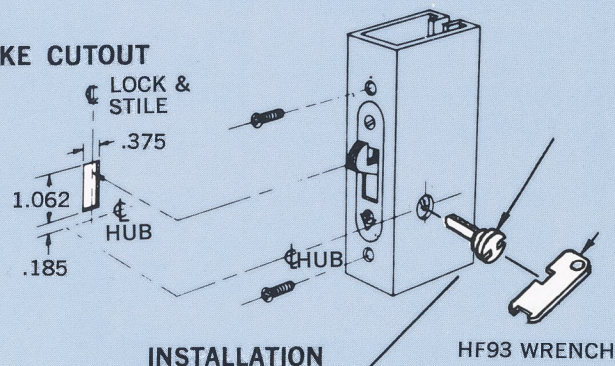
HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NO. 1010.
3. Order MS1848 Deadlocks separately.
See Page SL-7.

INSTALLATION



STRIKE CUTOUT



INSTALLATION

HF92 TURN BUTTON
INSTALL (AFTER MS1848 LOCK)
IS IN PLACE!) BY PLACING
SPINDLE INTO LOCK HUB AND
PUSHING BUTTON INTO STILE
UNTIL SHOULDER ON BUTTON
BOTTOMS OUT.

NOTE: THIS ONE MODEL FITS THE FOLLOWING STILES

STILE THICKNESS	WALL THICKNESS
7/8"	1/16 only
1" to 1 3/8"	1/16" to 1/8"

CYLINDER PULLS

4024, 4025

BHMA TYPE E19231

FUNCTION:

Designed for use with Adams Rite 1848 or 4035 deadlocks and latches, these surface mounted pulls allow a sliding glass door to be "keyed-in" with other types of doors which have key-in-knob or mortise cylinder locks.

4025 has mounting holes spaced to allow clearance around 1848 lock mechanism for long thru-the-stile mounting screws.

4024 is smaller and symmetrical, designed for mounting on door pull or other trim plate. (Can be mounted directly on stile where lock mechanism is mounted on inside surface of stile rather than mortised.)

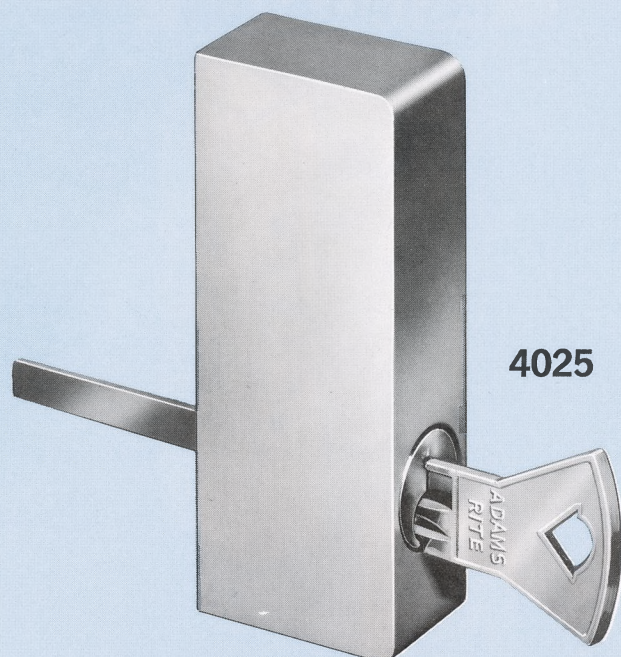
OPTIONS:

CYLINDER MAKE: Pulls available from stock with Adams Rite, Schlage, or Weiser cylinders. For 4025 with special keying of these makes or for any of the other makes listed on next page:

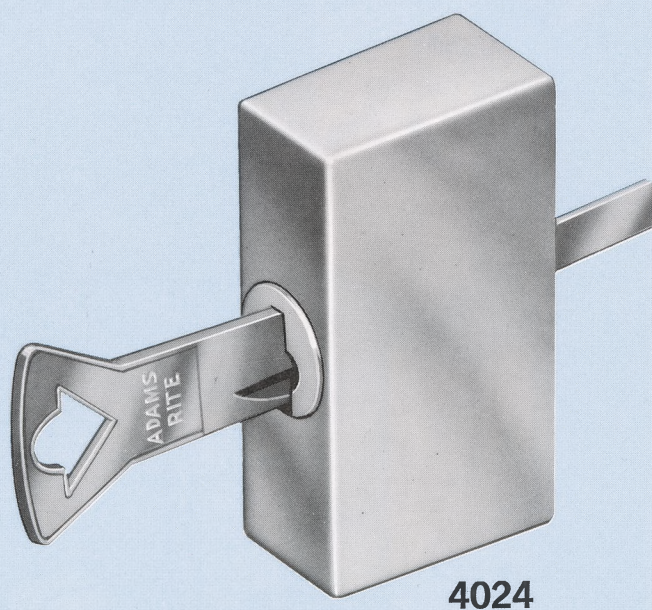
FURNISH PROPERLY KEYED CYLINDER TO ADAMS RITE FOR MODIFICATION AND/OR INSTALLATION IN PULL.

TRIM FINISH

Zinc alloy housing. Ritecoat 130 "Satin Zinc," enameled. For other finishes, contact factory for availability. Cylinders, brass.



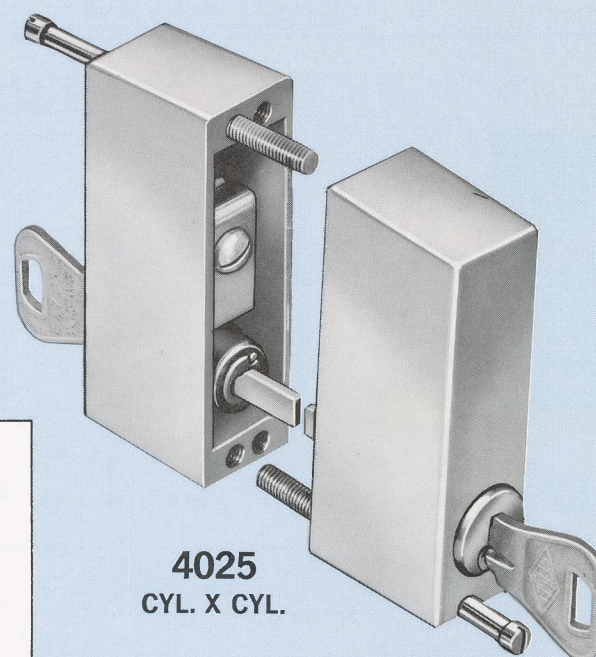
4025



4024

CYLINDERS BOTH SIDES

A pair of 4025 cylinder-pulls can be mounted opposite each other with long machine screws as shown. Security is maintained since each side offers access to only one screwhead. Both screws would have to be removed to operate the lock without its key. Specify 4025 CYL X CYL. set.

4025
CYL. X CYL.

© 1971, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.

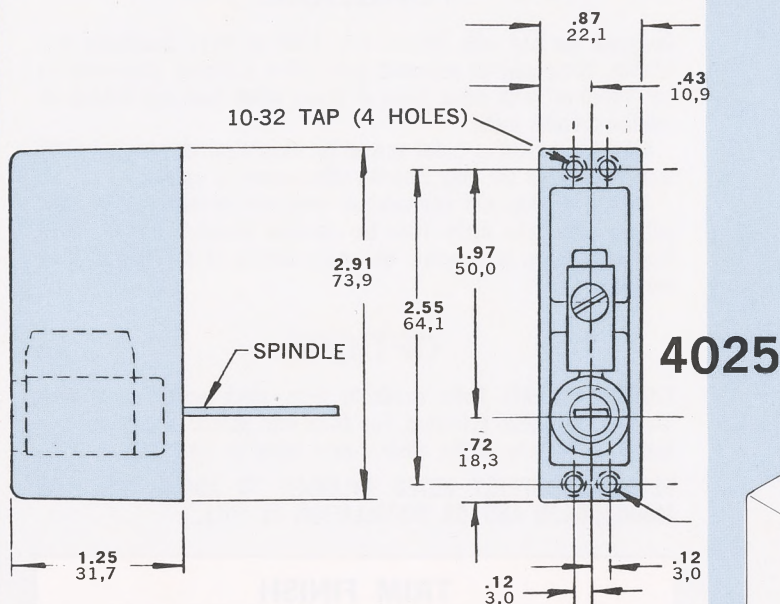


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4024, 4025 CYLINDER PULLS

DIMENSIONS

INCHES
MILLIMETERS

4025

STANDARD PULLS

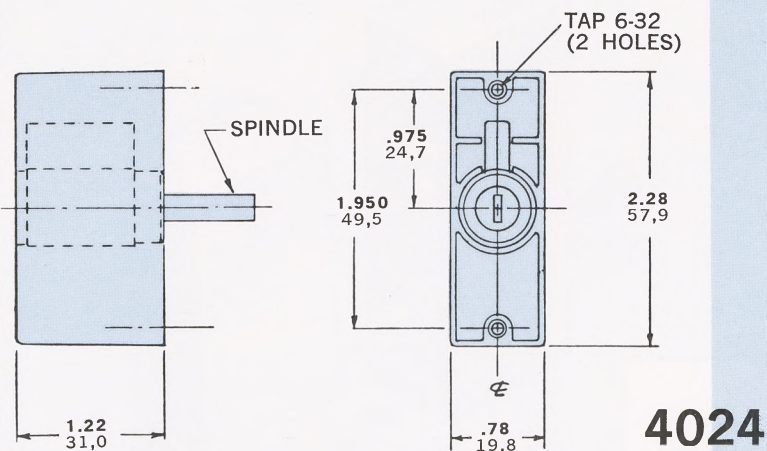
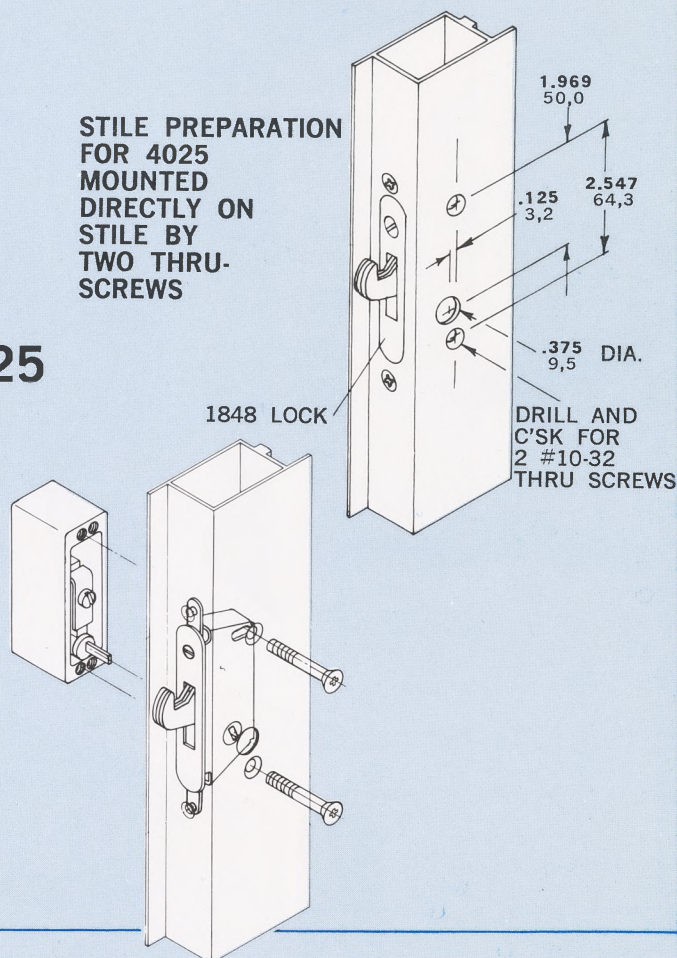
PULL NO.	CYLINDER INCLUDED:
4025	ADAMS RITE
4025-1	NONE (DUMMY)
4025-5	SCHLAGE 20-019
4025-6	WEISER 8346

SPECIAL PULLS

PULL	FURNISH CYLINDER:
4025-3	LOCKWOOD R-71, H-71, S-71
4025-4	SARGENT SIXLINE
4025-8	CORBIN 471AR
4025-9	RUSSWIN AR848
4025-10	DEXTER 9094
4029	BEST 5A5A2
4025-15	MEDECO 20-800

INSTALLATION

STILE PREPARATION
FOR 4025
MOUNTED
DIRECTLY ON
STILE BY
TWO THRU-
SCREWS



4024

HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER including DASH NUMBER which indicates cylinder make. See tables.
3. FURNISH CYLINDER if special keying is required.

TYPICAL 4024
INSTALLATION
ON DOOR PULL

STANDARD PULLS ONLY	
PULL NO.	CYLINDER INCLUDED:
4024	ADAMS RITE
4024-5	SCHLAGE 20-019
4024-6	WEISER 8346

LOCK TRIMPLATE 4805

MATERIAL

Zinc alloy.

TRIM FINISH

Cadmium (602). For other finishes, contact factory.

FUNCTION:

Allows mortise of MS1848 series locks or latches into wood sliding doors. Lock hub position is equidistant from ends of plate to allow unhanded stile preparation.

HOW TO ORDER

Specify QUANTITY and CATALOG NUMBER 4805.

4805 (ACTUAL SIZE)

COMPATIBLE LOCKS & LATCHES

MS1848 LOCK
MS1848-04 LOCK
MS1848-08 LATCH

MS1848-10 LOCK
MS1848-13 LATCH
(See Page SL-8.)

STANDARD PACKAGE

Individually boxed with two #8 x 3/4" flat-head wood screws. Shipping weight: 1/4 lb.

STRIKE SERIES 4800

MATERIAL

Steel, heat treated. Shims are black ABS plastic.

TRIM FINISH

Satin zinc (603). For other finishes contact factory for availability.

FUNCTION:

With vertical adjustment to accommodate door/jamb misalignment and a shim system for horizontal positioning to match various jamb bumper designs, Series 4800 strikes can be fitted to nearly any sliding door using a mortised MS1848 series lock or latch. 4801 strikes are furnished with sheet metal screws for metal jamb installation. 4802 strikes are furnished with machine screws and tee nuts which are installed on the back side of jamb to provide the strongest possible anchorage in wood.

HOW TO ORDER

Specify CATALOG NUMBER (4801 for metal jambs and 4802 for wood jambs) plus DASH NUMBER which indicates number of shims for projection of strike from jamb (see table next page).

4801-01
(ACTUAL SIZE)

STANDARD PACKAGE

Individually packaged in envelope with screws and shims (if required). Shipping weight: 1/8 lb.

SHIM

© 1969, 1972, 1974, 1976 by

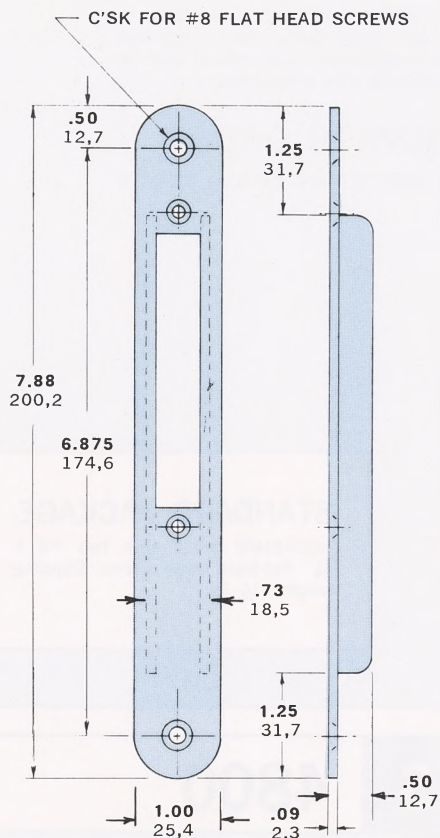
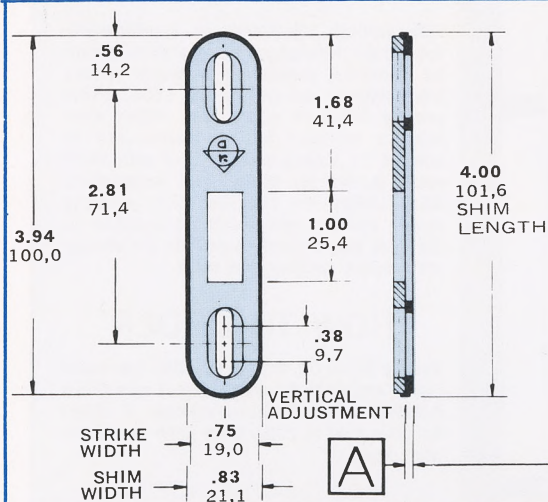
ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

SL-14

DIMENSIONSINCHES
MILLIMETERS**INSTALLATION****4805 TRIMPLATE**TWO #8 X 3/4 WOOD
SCREWS FURNISHEDMACHINE
SCREWS
FURNISHED
WITH 1848
DEADLOCKMS1848
DEADLOCKSTILE
PREPARATION**4800 STRIKES**ONE OR MORE
SHIMS MAY BE
USED TO
ACHIEVE
GREATER
PROJECTION 'A'
FROM JAMB
(ONE SHIM
SHOWN)BOLT CLEARANCE
CUTOUT

SHIM(S) AS REQUIRED

STRIKE

CENTERLINE OF
LOCK & STRIKE.38
9,7.50
12,72.81
71,41.81
46,0SEE TABLE BELOW
FOR HOLE SIZE**JAMB PREPARATION**

CATALOG NO.	SHIMS	DIMENSION 'A'	APPLICATION
4801	NONE	0"	METAL JAMBS
4801-01	1	3/32" 2,4	(furnished with two #8 x 1 sheet metal screws.)
4801-02	2	3/16" 4,8	
4801-03	3	9/32" 7,1	
4802	NONE	0"	WOOD JAMBS
4802-01	1	3/32" 2,4	(furnished with two #8-32 x 7/8 machine screws and two tee nuts.)
4802-02	2	3/16" 4,8	
4802-03	3	9/32" 7,1	

MS1848

METAL JAMB APPLICATION
4801 SERIES
WOOD JAMB APPLICATION
4802 SERIES

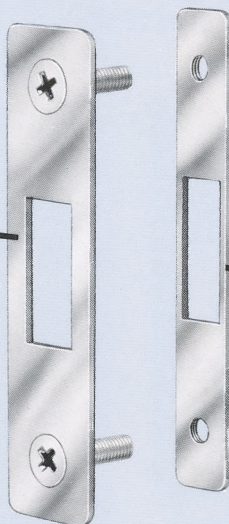
HOLE SIZE
.120 3,0 (NO. 31 DRILL)
.213 5,4 (NO. 3 DRILL)

REINFORCING STRIKE MS4804

FOR MS1848 DEADLOCK, Page SL-7

FACEPLATE

$\frac{1}{16}$ " x $\frac{3}{4}$ " x $3\frac{3}{8}$ ". Steel, plated for corrosion resistance.



FUNCTION:

Provides a strike equal to the strength of the stainless steel bolt of the 1848 deadlock: tested to 1,000 lbs. of force. This strength exceeds by far the standards of the Architectural Aluminum Manufacturers Association as well as the strictest current municipal security ordinance.

REINFORCING PLATE

$\frac{1}{16}$ " x $\frac{1}{2}$ " x $3\frac{3}{8}$ ". Steel, plated for corrosion resistance. Tapped for #10-32 flathead screws which are furnished.

LOCK STRIKE 4803

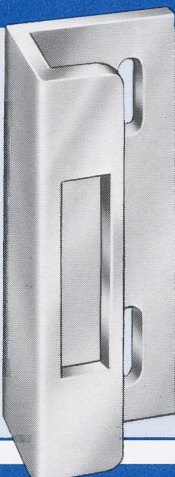
FOR 4035 LOCK, Page SL-25

MATERIAL/FINISH

Steel, cadmium plated US2C (602).

STANDARD PACKAGE

Individually packaged in envelope with mounting screws.



FUNCTION:

A nearly universally usable strike for the 4035 lock, the 4803 strike is fastened to the door jamb by two screws. Vertical adjustment of .25 inch is provided to allow perfect engagement of the lock bolt despite door misalignment or in-place settling.

LOCK STRIKE 4806

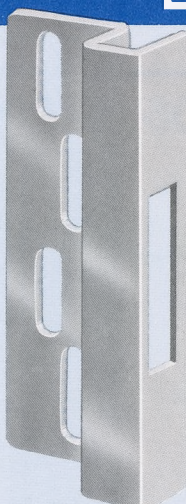
FOR 4035 LOCK, Page SL-25

MATERIAL/FINISH

Type 301 Stainless Steel, satin buffed 630 (US32D).

STANDARD PACKAGE

Individually packaged in envelope with #8 self-tapping screws.



FUNCTION:

Surface mounted strike for 4035 lock. Fastened to side of jamb by two screws. Vertical adjustment of .25 inch plus extra mounting holes for convenience of mounting or added screws for increased strength.

© 1971, 1972, 1973, 1974, 1976 by

ADAMS RITE
MANUFACTURING COMPANY

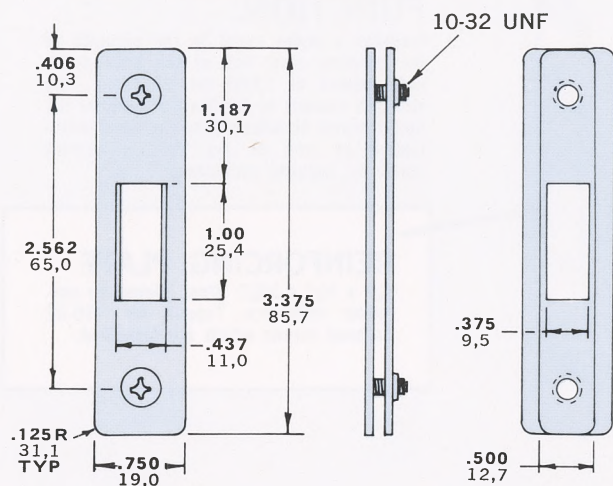


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

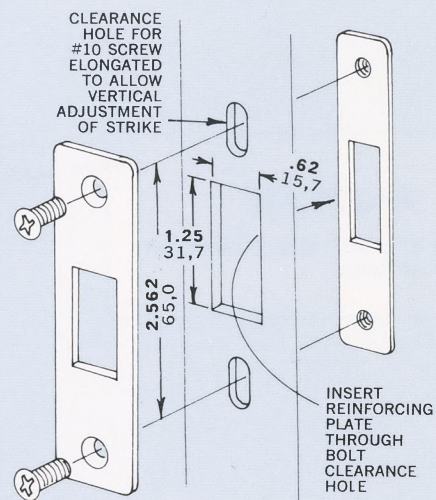
SL-14B

MS4804 STRIKE

DIMENSIONS

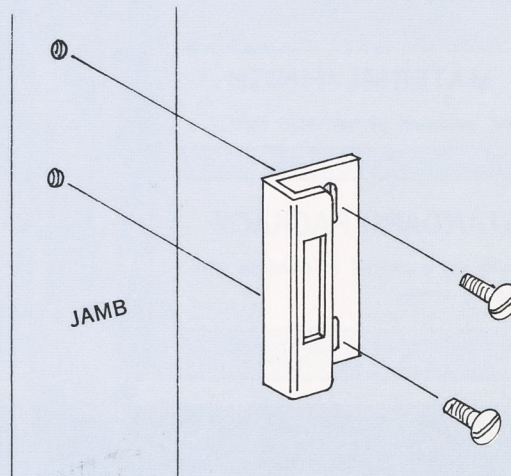
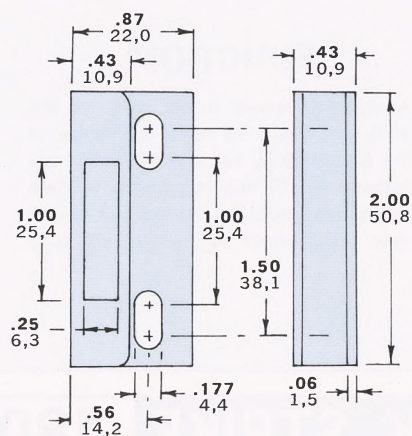
INCHES
MILLIMETERS

INSTALLATION

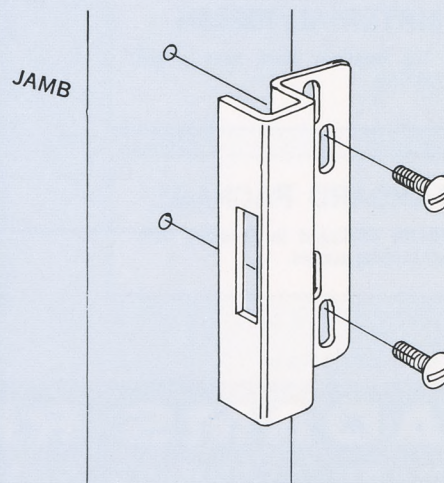
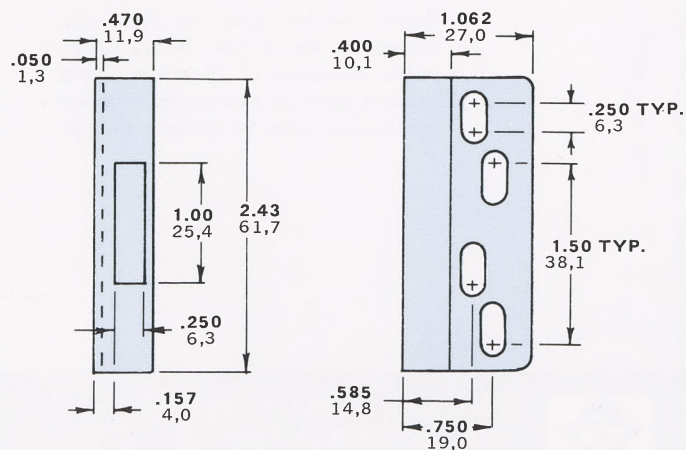


4803

STRIKE



4806 STRIKE



LOCKSET SERIES 5100

BHMA TYPE E8291 (w/CYL.)

FUNCTION:

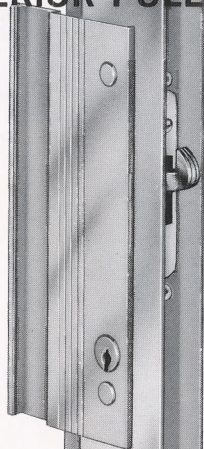
Offering nine different combinations of interior and exterior pulls together with the maximum security 1848 lock mechanism, this series of locksets can be used on virtually any sliding glass door with $1\frac{3}{8}$ " or deeper stile channel. Interior operation of lock is by convenient up/down push buttons.

OPTIONS:

Exterior pull A is low profile type for by-passing another panel or screen. Exterior pull C and Interior pull B have a walnut grain vinyl insert. Interior pull C has genuine walnut grip. All pulls are extruded aluminum with US 28 satin anodized finish. For other finishes, contact factory for availability. Matching dummy sets available.

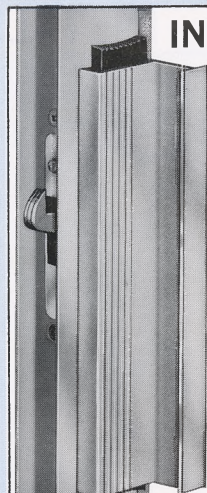
EXTERIOR PULL

A



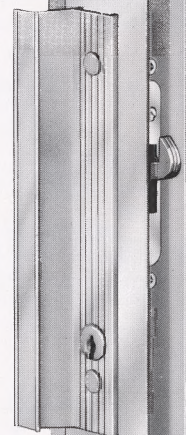
INTERIOR PULL

A



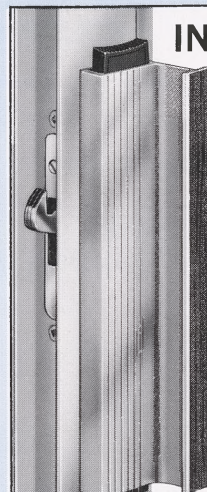
EXTERIOR PULL

B



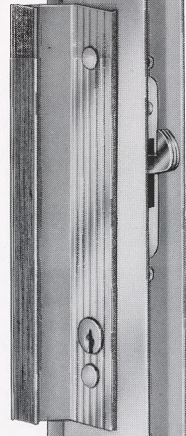
INTERIOR PULL

B



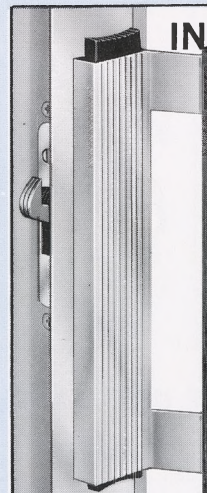
EXTERIOR PULL

C



INTERIOR PULL

C



NOTE: All exterior pulls are shown with optional 5125 cylinder kit.

PATENTED

© 1971, 1974, 1976 by

A EXTERIOR } LOCKSET 5101
A INTERIOR }

A EXTERIOR } LOCKSET 5111
B INTERIOR }

A EXTERIOR } LOCKSET 5131
C INTERIOR }

B EXTERIOR } LOCKSET 5102
A INTERIOR }

B EXTERIOR } LOCKSET 5112
B INTERIOR }

B EXTERIOR } LOCKSET 5132
C INTERIOR }

C EXTERIOR } LOCKSET 5103
A INTERIOR }

C EXTERIOR } LOCKSET 5113
B INTERIOR }

C EXTERIOR } LOCKSET 5133
C INTERIOR }

CYLINDER KIT 5125

Any Series 5100 lockset can be equipped with a cylinder in the exterior pull. 5125 cylinder kits are available from stock with Adams Rite, Schlage, or Weiser cylinders. Installation of other cylinder makes may require (depending on cylinder and stile design) modification to the cylinder and/or slightly different stile preparation than that shown on next page. Consult Adams Rite factory representative for assistance.

ADAMS RITE
MANUFACTURING CO.

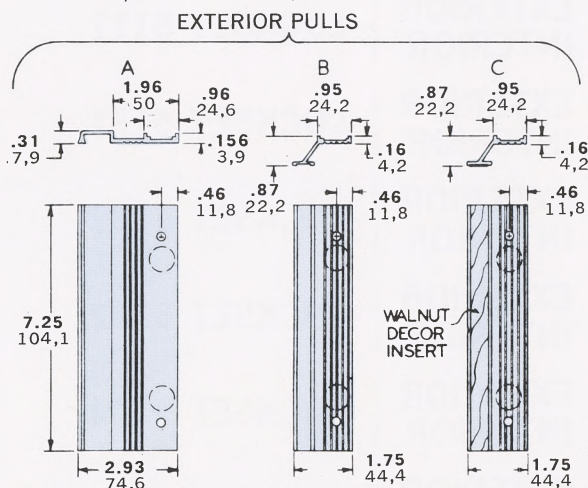
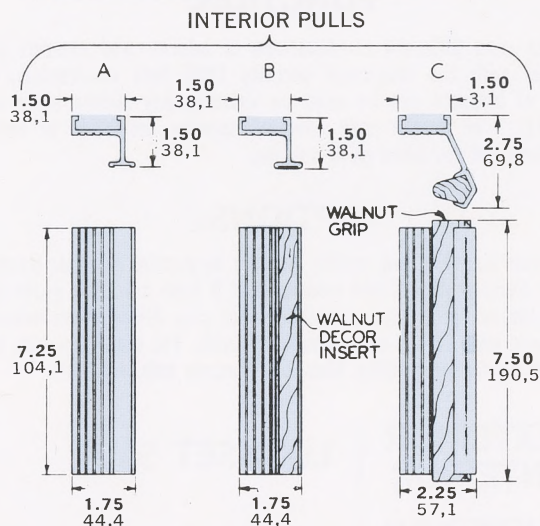


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

5100 LOCKSETS

DIMENSIONS

INCHES
MILLIMETERS

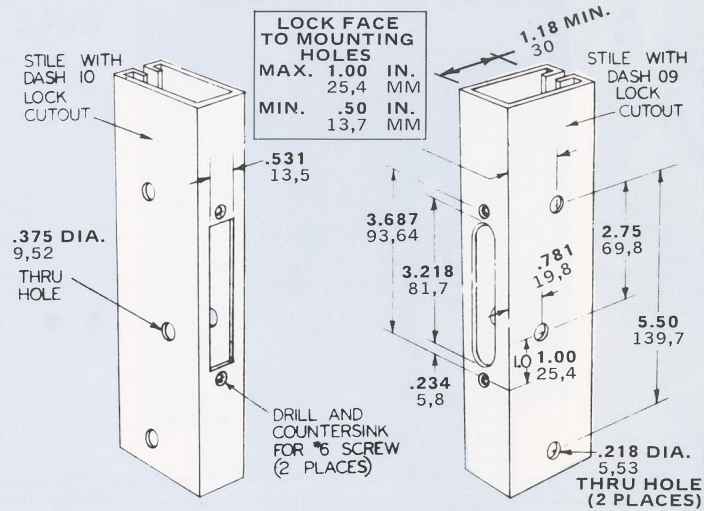
LOCKSET STYLING NUMBER

INTERIOR PULL TYPE			
	A	B	C
EXTERIOR PULL TYPE	5101	5111	5131
	5102	5112	5132
	5103	5113	5133

HOW TO ORDER

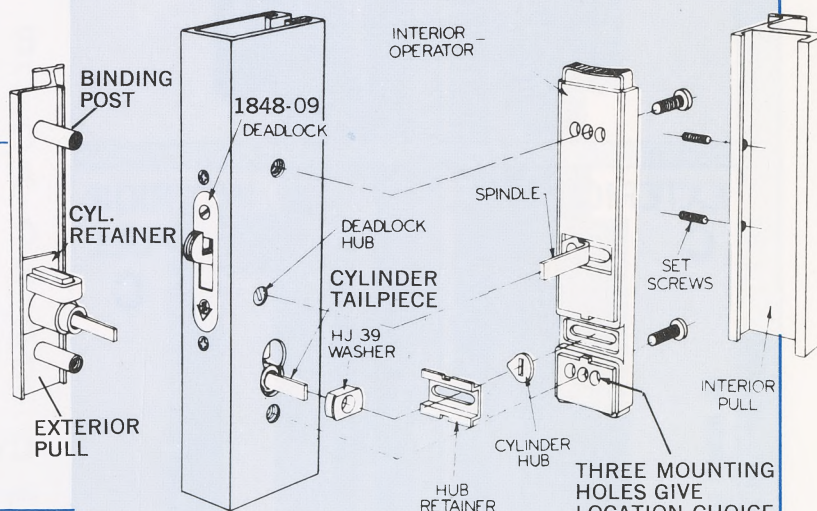
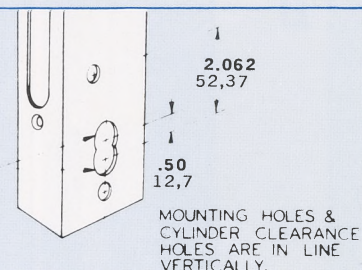
1. Specify **QUANTITY**.
2. Specify **LOCKSET STYLING NUMBER** plus **FIRST DASH NUMBER** (-09 for radius-end lock, -10 for square end)* and **SECOND DASH NUMBER** for stile thickness. See table at right.
3. Order **CYLINDER KITS** separately: specify **CATALOG NO. 5125** plus dash number for stile thickness. (Furnish **CYLINDER** for special keying if required.)

INSTALLATION



STILE PREPARATION

ADDITIONAL STILE PREPARATION FOR 5125 CYL. KIT

.65 DIA
16.5
THRU HOLES

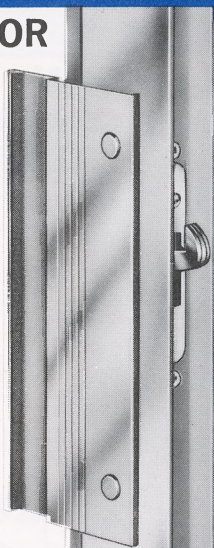
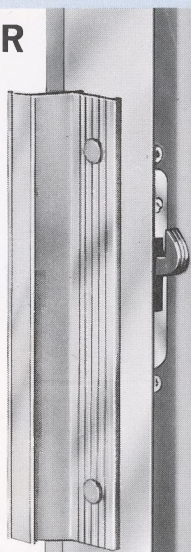
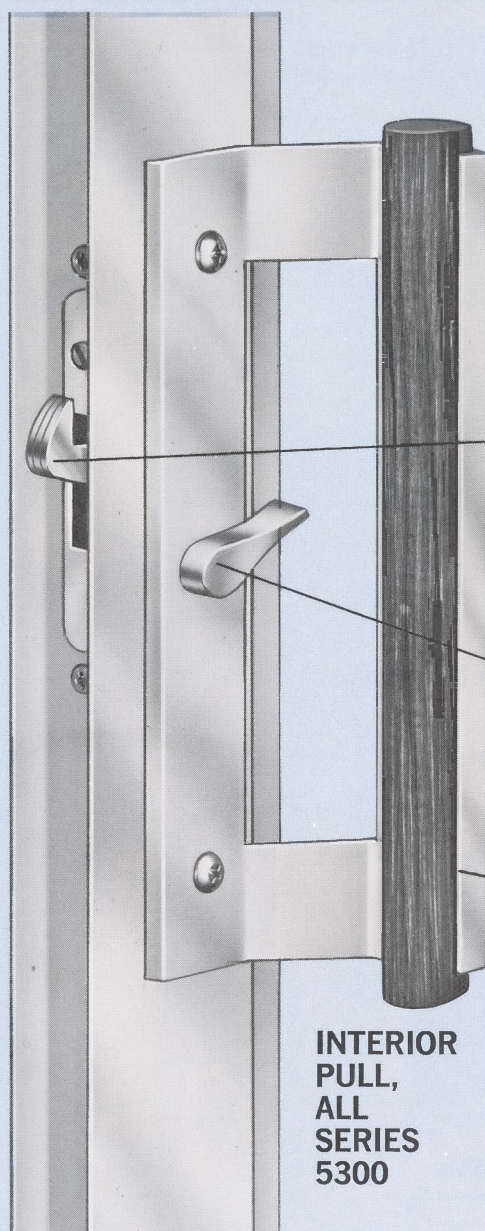
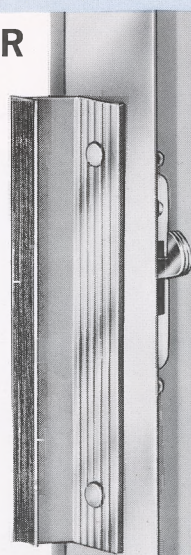
LOCKSET INSTALLATION (INCL. 5125 CYL. KIT)

FIRST DASH NO.		SECOND DASH NO.		INDICATES STILE THICKNESS	
LOCK SHAPE		DASH	THICKNESS	DASH	THICKNESS
-09 RADIUS	-10 SQ	-01	7/8" 22,2	-06	1-1/2" 33,1
		-02	1" 25,4	-07	1-5/8" 41,2
		-03	1-1/8" 28,5	-08	1-3/4" 44,4
		-04	1-1/4" 31,7	-09	1-7/8" 47,6
		-05	1-3/8" 34,9	-10	2" 50,8

*For dummy set without lock, specify first dash no. — 99.

LOCKSET SERIES

5300

EXTERIOR
5301EXTERIOR
5302EXTERIOR
5303INTERIOR
PULL,
ALL
SERIES
5300

BHMA TYPE E8292 (W/CYL.)

FUNCTION:

Series 5300 locksets offer a choice of three different exterior pulls, a genuine walnut interior grip-pull and the security of the MS1848 deadlock.

OPTIONS:

Exterior pull of 5301 is low profile type for by-passing another panel or screen. Exterior pull of 5303 has a walnut grain vinyl insert. Matching dummy sets available. Order 5325 cylinder kit separately.

ANTI-LIFT
LOCK MECHANISM

Basic MS1848-09 (radius ends) or MS1848-10 (square ends) is supplied. Stainless steel bolt is self-protecting, adjustable for reach.

INSIDE OPERATION:

Thumbturn projects or retracts deadlock bolt.

TRIM FINISH

All pulls extruded aluminum with 628 (US28) satin anodize finish. For availability of other finishes, contact factory.

CYLINDER KIT 5325

Any series 5300 lockset can be equipped with a cylinder block on the exterior pull. 5325 kits are available from stock with Adams Rite, Schlage, Weiser or Yale cylinders. Installation of other makes may require modification to the cylinder, pull, and/or cylinder block. Consult Adams Rite factory representative for assistance.

© 1967, 1970, 1973, 1975, 1976 by

ADAMS RITE
MANUFACTURING CO.

 4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

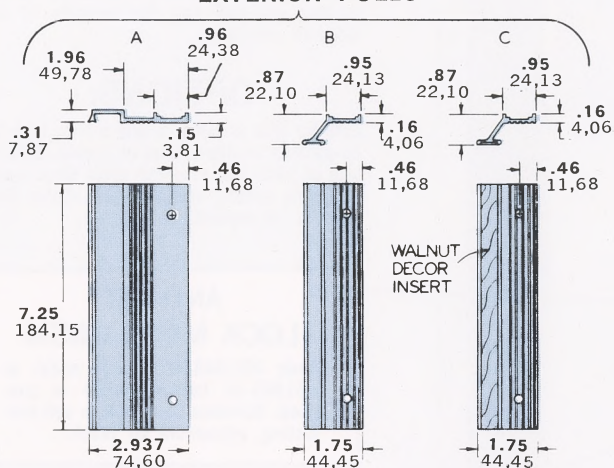
TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

5300 LOCKSETS

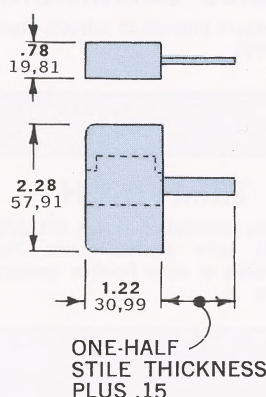
DIMENSIONS

INCHES
MILLIMETERS

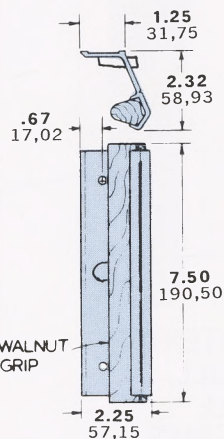
EXTERIOR PULLS



5325 CYLINDER KIT



INTERIOR PULL



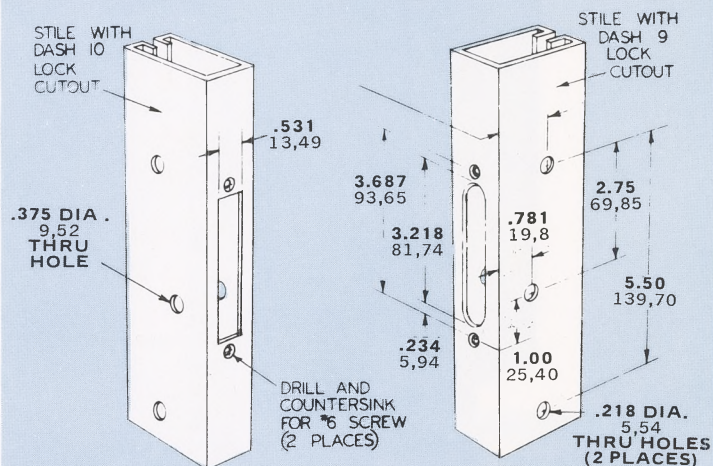
LOCKSET STYLING NUMBER

EXTERIOR PULL TYPE	A	5301
	B	5302
	C	5303

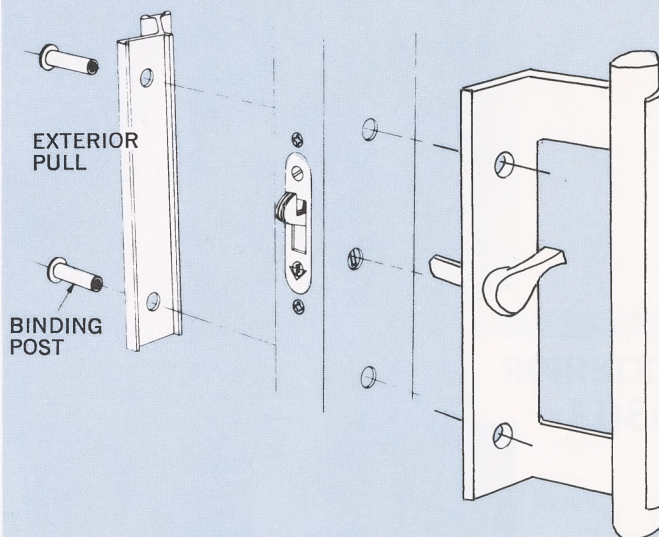
HOW TO ORDER

1. Specify QUANTITY.
2. Specify LOCKSET STYLING NUMBER plus FIRST DASH NUMBER (-09 for radius-end lock, -10 for square end)* and SECOND DASH NUMBER for stile thickness. See table at right.
3. Order CYLINDER KITS separately: specify CATALOG NO. 5325 plus dash number for stile thickness. (Furnish CYLINDER for special keying if required.)

INSTALLATION



STILE PREPARATION



INSTALLATION

FIRST DASH NO.		SECOND DASH NO. INDICATES STILE THICKNESS	
LOCK SHAPE	THICKNESS	DASH	THICKNESS
-01	7/8" 22,22mm	-06	1 1/2" 38,10mm
-02	1" 25,40mm	-07	1-5/8" 41,27mm
-03	1-1/8" 28,57mm	-08	1 3/4" 44,45mm
-04	1 1/4" 31,75mm	-09	1-7/8" 47,62mm
-05	1-3/8" 34,92mm	-10	2" 50,80mm

*For dummy set without lock, specify first dash no. — 99.

FLUSH LOCKSETS

4189, 4190

(INCLUDING DEADLOCK)

BHMA TYPE E8292 (W/CYL.)

BACKSET

Variable. Minimum: .625 in. Maximum: 1.28 in. (from face of lock to escutcheon and cylinder centerline).

ANTI-LIFT LOCK MECHANISM

Basic MS1848-09 (radius ends) or MS1848-10 (square ends) is supplied. Stainless steel bolt is self-protecting, adjustable for reach.

ESCUTCHEONS

Zinc Alloy, satin silver epoxy finish with clear cover coat. For other finishes available, contact factory.

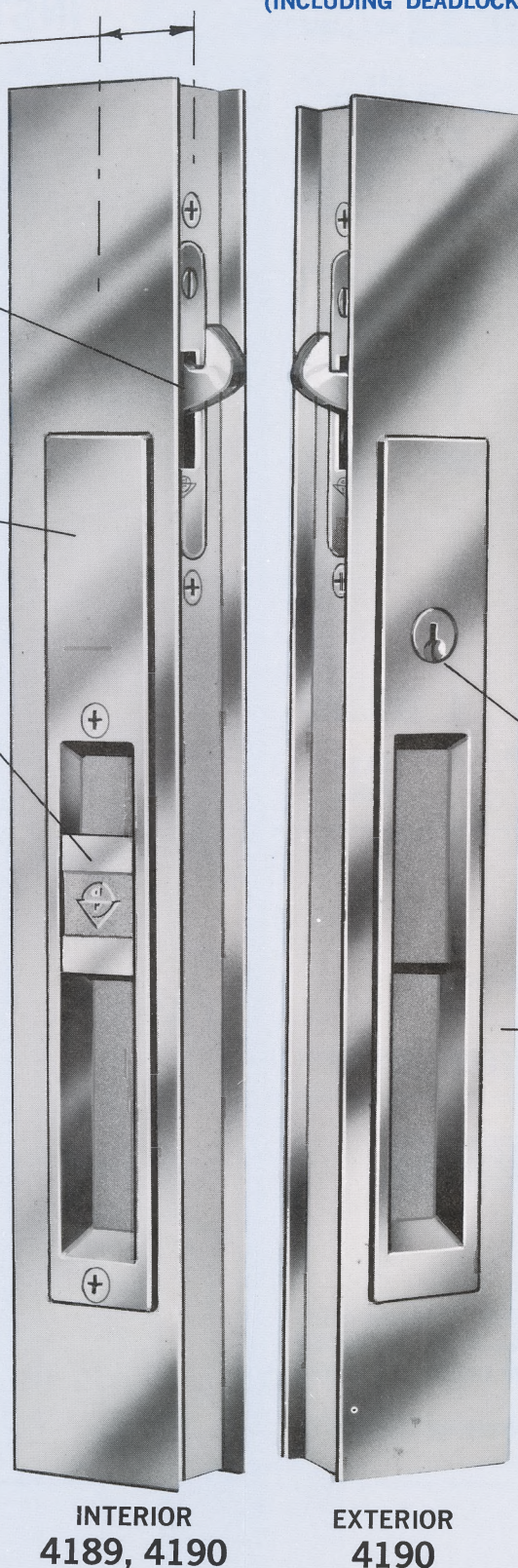
INSIDE OPERATION

Vertical slide button projects or retracts deadlock bolt.

4413 INTERIOR PULL



The 4413 provides a surface-mounted grip-type pull, where desired, on doors already equipped with 4189 or 4190 flush hardware. Mounting is by two machine screws and requires no alteration to door or flushlock. Attractive sheer-line design blends perfectly with the trim appearance of the flush escutcheons, yet offers a generous hand grip for convenience. Material is ABS plastic in graphite grey color.



FUNCTION:

Projecting only 1/10" from the door stile on either side, 4189 and 4190 locksets allow doors to slide freely past other sliding units or stationary panels. There are no projecting handles to tear draperies or prevent the door from being "stacked" in a wall pocket. 4190 has a flush mounted cylinder outside. (Weiser standard, other makes available.) Both are operated from inside by a simple up or down movement of a slide button, set flush in the deeply recessed finger pull. The lock mechanism (latching action unavailable) is the time-tested and field-proven Adams Rite MS1848 and features the adjustable self-protecting bolt. Matching "dummy set" available (4195).

OPTIONS:

Specify 4190 if outside key-cylinder operation required; 4189 if not. Add Dash number 10 for square-ended lock face or 09 for round end. Dummy set 4195 available. Order 4413 Grip Pull separately.

OUTSIDE OPERATION (4190 ONLY)

Key in five-pin Weiser cylinder projects or retracts bolt. Other cylinder makes available on special order.

STILE THICKNESS

May be 1" to 1 3/8". Available on special order for stiles 1 3/8" thick or greater. (Extra cost.)

STILE DEPTH

Minimum clear depth: Backset plus 9/16".

PATENTED

STANDARD PACKAGE

4190, with cylinder, and 4189, without cylinder, are each complete packages. Shipped individually boxed with mounting screws. 4190 includes two keys. Weight 1 1/4 lbs.

© 1969, 1973, 1975 by

ADAMS RITE
MANUFACTURING CO.



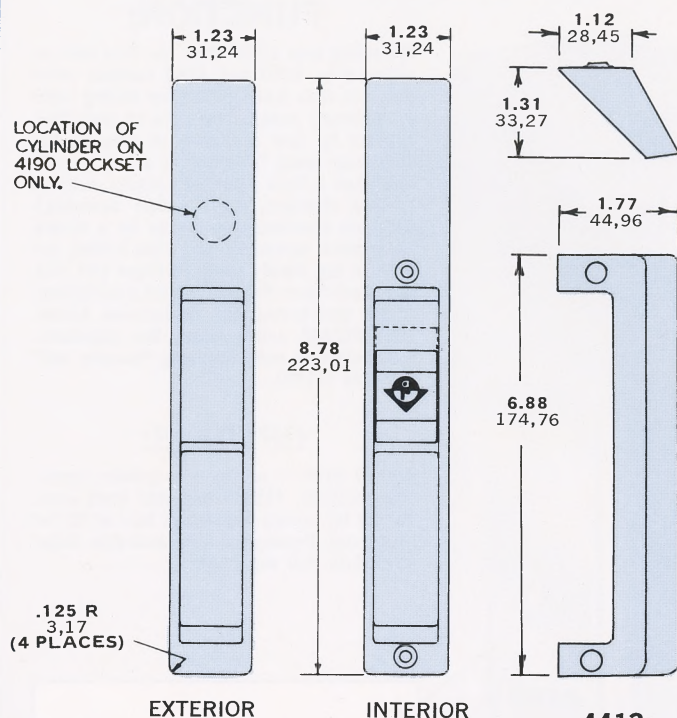
4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-22

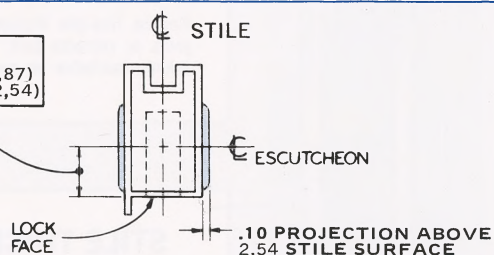
4189, 4190 LOCKSETS

DIMENSIONS

INCHES
MILLIMETERS

ESCUTCHEONS

BACKSET
MIN.-.625 (15,87)
MAX.-1.281 (32,54)



HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4189 (without cylinder) or 4190 (with cylinder) plus DASH NUMBER which indicates lock face shape (-09 is round-end, -10 is square-end).
3. Order grip pulls separately, specifying QUANTITY and CATALOG NUMBER 4413.

RELATED HARDWARE AND ACCESSORIES

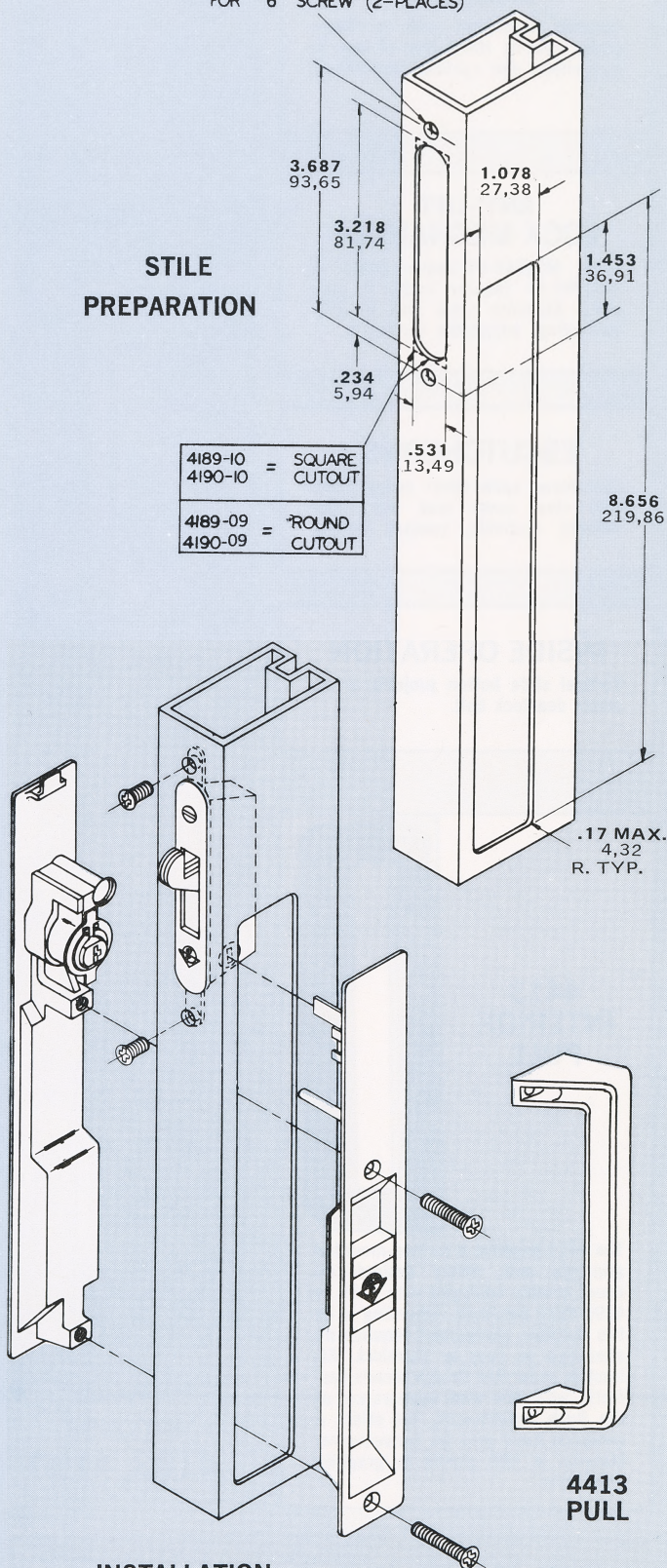
1. Matching "DUMMY" SET 4195 has escutcheon like 4189 but no locking mechanism.

INSTALLATION

DRILL & COUNTERSINK
FOR #6 SCREW (2-PLACES)

STILE
PREPARATION

4189-10	= SQUARE CUTOUT
4190-10	= SQUARE CUTOUT
4189-09	= ROUND CUTOUT
4190-09	= ROUND CUTOUT



FLUSH LOCKSETS

4430, 4431

(INCLUDING
DEADLOCK)

BHMA TYPE E8291

FUNCTION:

Similar in function and identical in size to the all-metal 4189 and 4190 flush locksets, these economical units feature escutcheons molded of sturdy ABS resin. The black satin finish of the 4430 and 4431 lends to aluminum door stiles an elegance far beyond their low cost.

OPTIONS:

Specify 4431 if outside key-cylinder operation required; 4430 if not. Add Dash number 10 for square-ended lock face or 09 for round end. Dummy set 4432 available.

BACKSET

Variable. Minimum: .625 in. Maximum: 1.28 in. (from face of lock to escutcheon and cylinder centerline).

ANTI-LIFT LOCK MECHANISM

Basic MS1848-09 (radius ends) or MS1848-10 (square ends) is supplied. Stainless steel bolt is self-protecting, adjustable for reach.

ESCUTCHEONS

Molded ABS resin plastic. Black satin finish. (Custom colors available to volume users.) Deeply recessed finger pull both sides. Fit same cutout as metal 4189/4190 locksets.

PATENTED

OUTSIDE OPERATION (4431 ONLY)

Key in five-pin Weiser cylinder projects or retracts bolt. Other cylinder makes **not** available.

INSIDE OPERATION

Vertical slide button projects or retracts deadlock bolt.

STILE THICKNESS

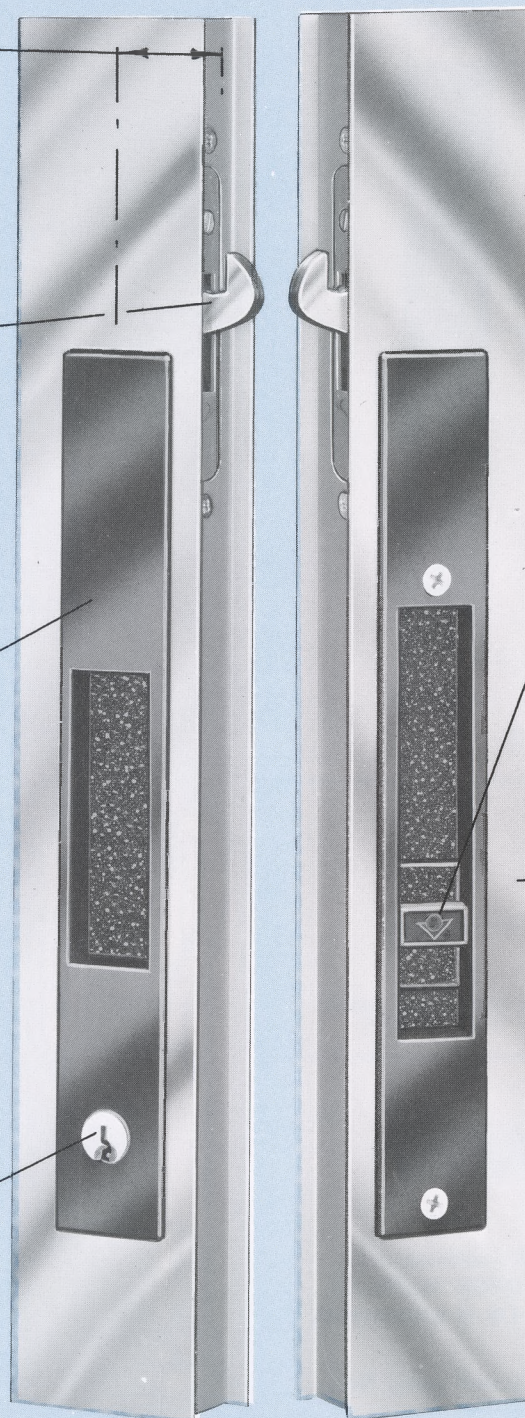
May be 1" to 1 3/8". Available on special order for stiles 1 3/8" thick or greater. (Extra cost.)

STILE DEPTH

Minimum clear depth: Backset plus 9/16".

STANDARD PACKAGE

4431, with cylinder, and 4430, without cylinder, are each complete packages. Shipped individually boxed with mounting screws. 4431 includes two keys. Weight 1 1/4 lbs.



EXTERIOR
4431

INTERIOR
4430, 4431

(ONE-HALF ACTUAL SIZE)

© 1969, 1972, 1973, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.

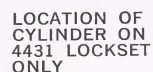


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

4430, 4431 LOCKSETS

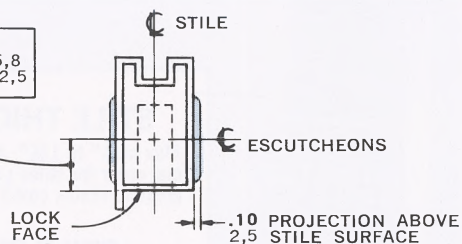
INCHES
MILLIMETERS



EXTERIOR

INTERIOR

ESCUTCHEONS



HOW TO ORDER

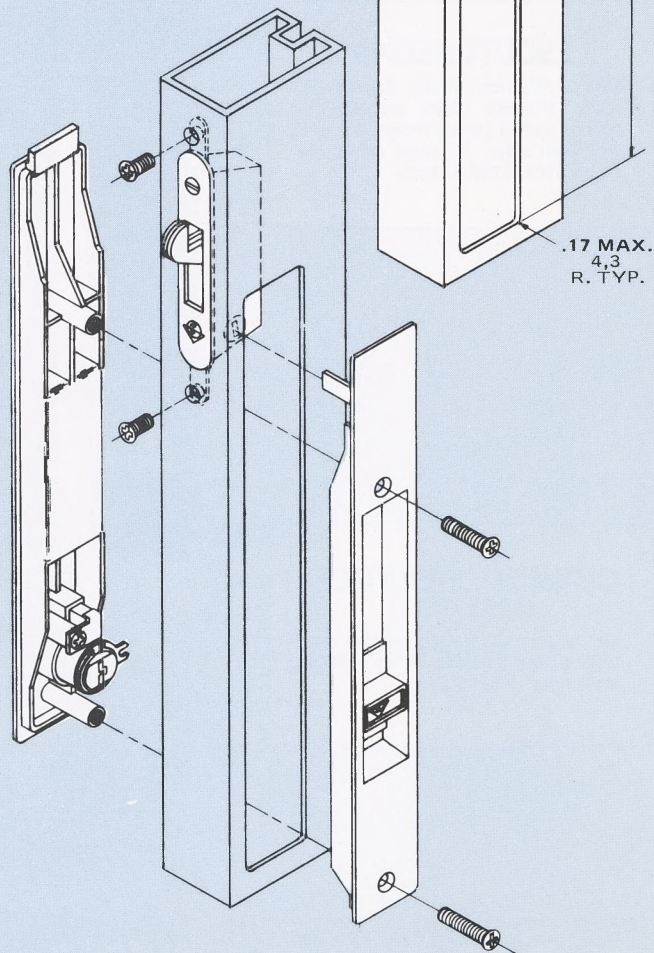
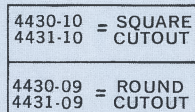
1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER 4430** (without cylinder) or **4431** (with cylinder) plus **DASH NUMBER** which indicates lock face shape (-09 is radius-end, -10 is square-end).
3. If for door $1\frac{3}{8}$ " or thicker add second dash No.:

DASH NO.	DOOR THICKNESS
-05	1 3/8" through 1 5/8"
-08	1 3/4" through 2"

1. Matching “DUMMY” SET 4432 has escutcheons like 4430 but no locking mechanism.

INSTALLATION

DRILL & COUNTERSINK
FOR #6 F.H. SCREW
(2 PLCS.)



INSTALLATION

DEADLOCK 4035

BHMA TYPE E8291

FUNCTION:

Security for door stiles too shallow for mortised-in locks is offered by the 4035 which is designed for mounting on the interior surface of the stile. Completely reversible (unhanded), the 4035 is intended for incorporation into the mounting plate of the door manufacturer's own inside pull design. Its compact size and integral lever operator give the stylist plenty of room for design originality while enjoying the cost-savings of this economical standard mechanism.

OPTIONS:

Available with lever in black or brown or without lever for operation by turn, such as Series 1000, page SL-9.

4035-01
(ACTUAL SIZE)

ANTI-LIFT BOLT

Self-protecting, retracts into case if door is slammed while bolt is projected.

STRIKE

Not furnished. See dimensions next page for opening required. Jamb design dictates whether slot or surface mounted strike is more practical. See 4803 surface mount strike on page SL-28C.

CASE

Steel, plated for corrosion resistance.

PATENTED

OPERATION

70° upward movement of lever (or hub turn) projects bolt. Suitable for key operation by cylinder insert in stile or outside pull. (See 4025, 4024.)

LEVER HANDLE

Delrin® plastic. Trim finish: black or brown. (See Dash numbers, next page.)

4035-10

STANDARD PACKAGE

Case packed; lock only, less turns, cylinders and fasteners. Shipping weight: 1/5 lb.

© 1967, 1972, 1974, 1975 by

ADAMS RITE
MANUFACTURING CO.

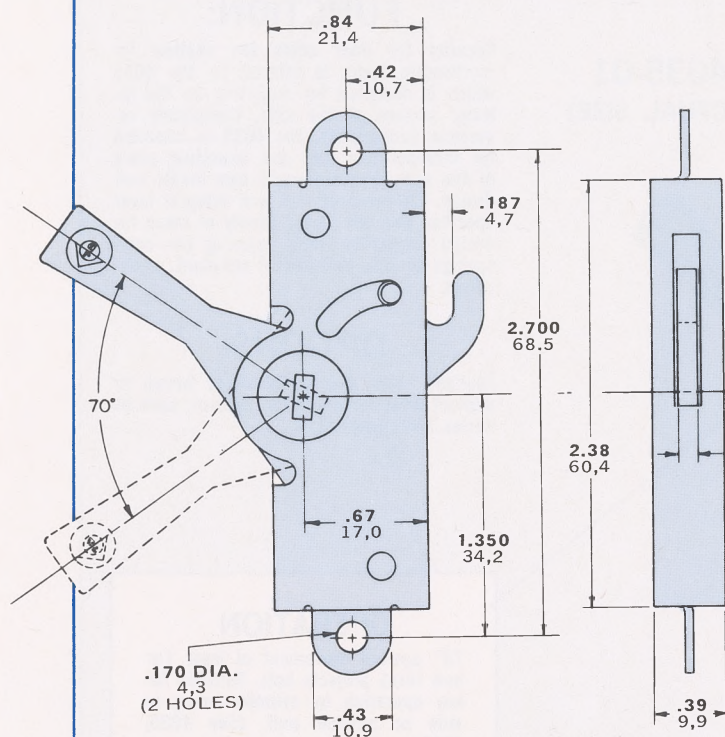


4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

4035 DEADLOCKS

DIMENSIONS

INCHES
MILLIMETERS

CATALOG NO.	DESCRIPTION
4035-01	STANDARD LEVER HANDLE (BLACK)
4035-02	STANDARD LEVER HANDLE (BROWN)
4035-10	HUB OPERATION ONLY (NO LEVER HANDLE)

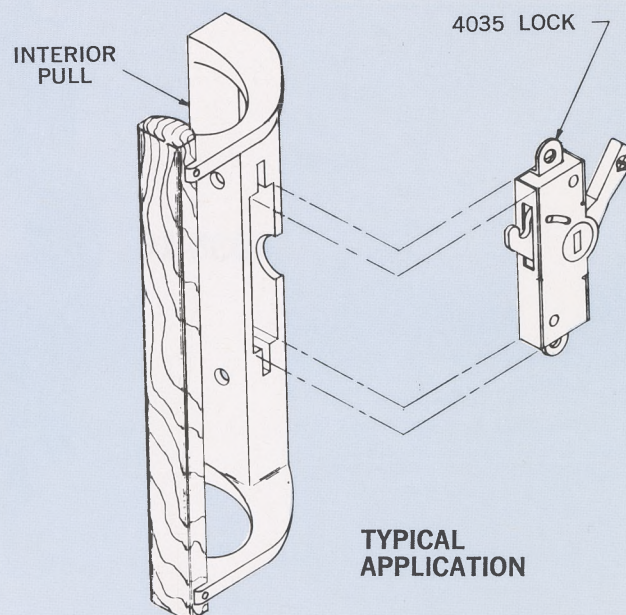
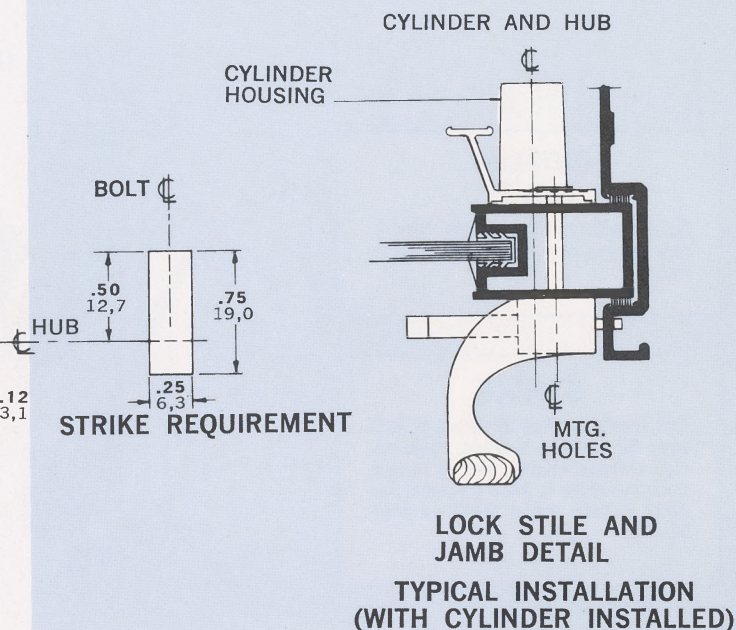
HOW TO ORDER

1. Specify QUANTITY.
2. Specify CATALOG NUMBER 4035 plus DASH NUMBER which indicates lever handle options. See table above.

RELATED HARDWARE AND ACCESSORIES

1. Cylinder Pulls, 4025 and 4024.
2. Turns, Series 1000 (for 4035-10).
3. Lockset Series 6100.
4. Strike 4803.

INSTALLATION

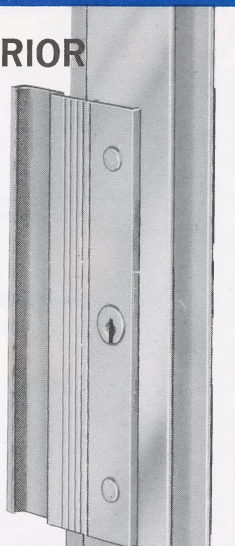


TYPICAL APPLICATION

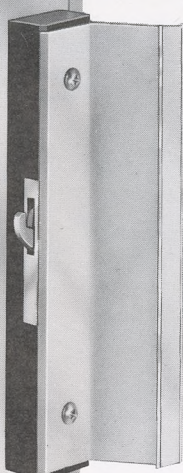
LOCKSET SERIES 6100

EXTERIOR

A



INTERIOR A

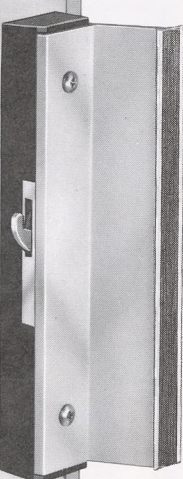


EXTERIOR

B

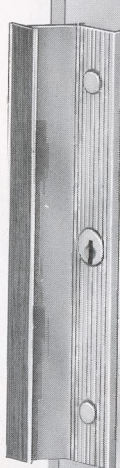


INTERIOR B

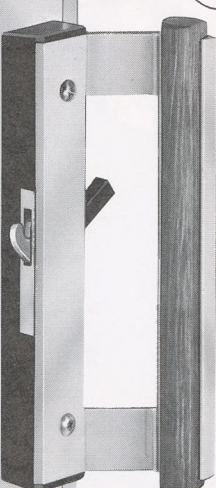


EXTERIOR

C



INTERIOR C



© 1967,
1972,
1974,
1975 by

BHMA TYPE E8291 (with Cylinder)

FUNCTION:

Series 6100 locksets offer nine different combinations of pulls. All have the lever-operated 4035 lock mechanism on the interior side of the door, retained in a housing of the inside pull. Suitable for nearly any sliding glass door, even many with stiles too shallow to accept a mortised-in lock.

PATENTED

OPTIONS:

Exterior pull A is low profile type for bypassing another panel or screen. Exterior pull C and Interior pull B have a walnut-grain vinyl insert. Interior pull C has genuine walnut grip. All pulls are extruded aluminum with US28 (628) with satin anodized finish. For other finishes, contact factory for availability. Matching dummy sets available.

EXTERIOR × INTERIOR = LOCKSET

A	A	6101
A	B	6111
A	C	6131
B	A	6102
B	B	6112
B	C	6132
C	A	6103
C	B	6113
C	C	6133

CYLINDER KIT 6125. Any Series 6100 lockset can be equipped with a cylinder in the exterior pull. 6125 cylinder kits are available from stock with Adams Rite, Schlage, or Weiser cylinders. Installation of other cylinder makes may require (depending on cylinder and stile design) modification to the cylinder and/or slightly different stile preparation than that shown on next page. Consult Adams Rite factory representative for assistance.

NOTE: All exterior pulls are shown with optional 6125 cylinder kit.

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

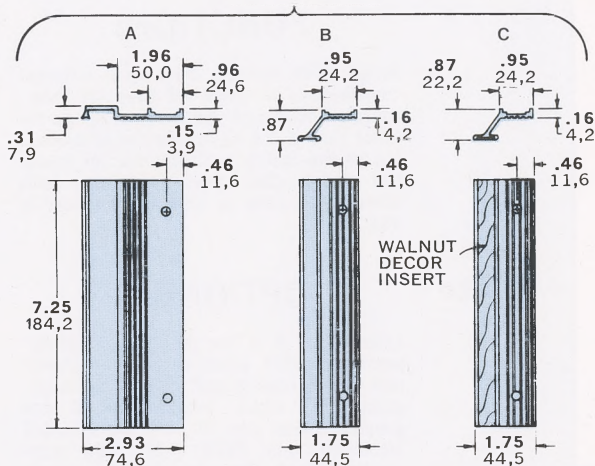
6100 LOCKSETS

DIMENSIONS

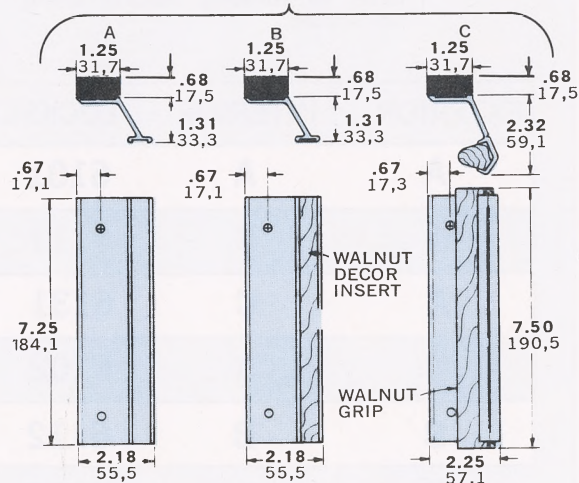
INCHES
MILLIMETERS

INSTALLATION

EXTERIOR PULLS



INTERIOR PULLS



LOCKSET STYLING NO.

INTERIOR PULL TYPE

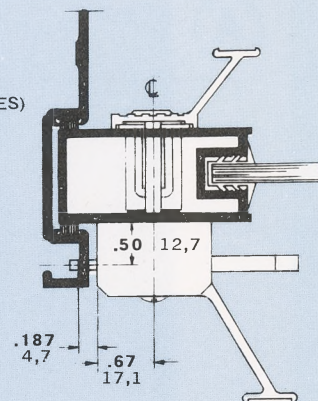
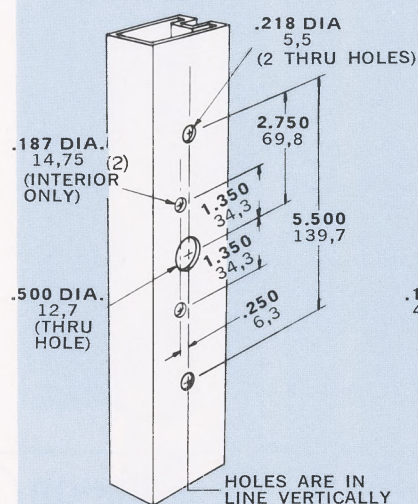
	A	B	C
A	6101	6111	6131
B	6102	6112	6132
C	6103	6113	6133

HOW TO ORDER

1. Specify **QUANTITY**.
2. Specify **LOCKSET STYLING NUMBER** plus **DASH NUMBER** which indicates stile thickness. See table at right.*
3. Order **CYLINDER KITS** separately. Specify **CATALOG NO. 6125** plus dash number for stile thickness.

*For dummy set without lock, add second dash no. — 99.

STILE PREPARATION

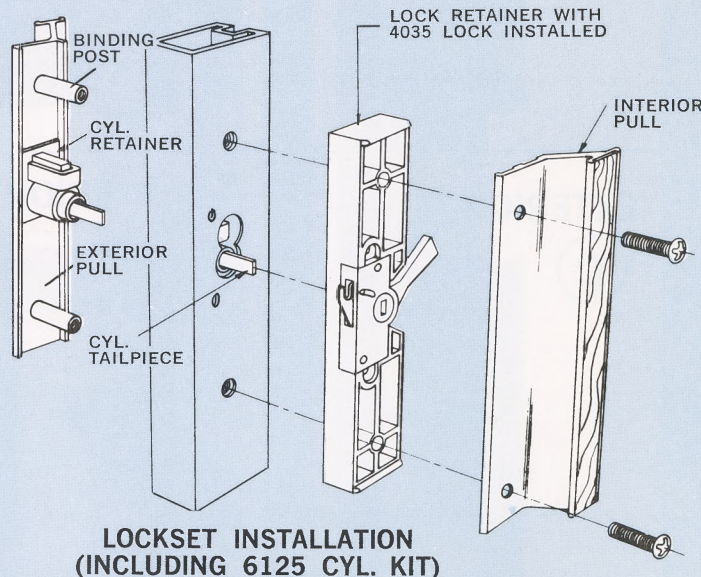
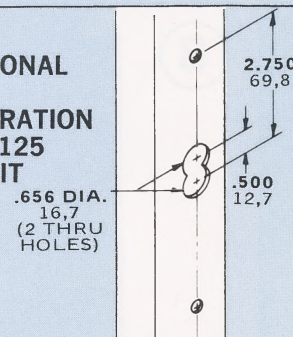


**TYPICAL JAMB AND
STILE DETAIL
(with Cylinder)
See 4035 Lock for
strike requirement.**

BACKSET

BACKSET FROM DOOR NOSE VARIES WITH DIFFERENT JAMB AND STILE CONDITIONS. STILE LIMITATIONS MAY, IN SOME CASES, REQUIRE A SURFACE MOUNTED CYLINDER. CONTACT FACTORY FOR TECHNICAL ASSISTANCE.

ADDITIONAL STILE PREPARATION FOR 6125 CYL. KIT



LOCKSET INSTALLATION (INCLUDING 6125 CYL. KIT)

DASH NUMBER INDICATES		STILE THICKNESS	
DASH	THICKNESS	DASH	THICKNESS
-01	7/8" (22,2)	-04	1¼" (31,7)
-02	1" (25,4)	-05	1 3/8" (34,9)
-03	1 1/8" (28,6)	-06	1½" (38,1)

LOCK 4004

BHMA TYPE D0821

FUNCTION:

For sliding doors where key control from outside will not be required, the 4004 offers clean lines with economy and ease of installation. Operation is by a toggle lever inside. Closing door while bolt is in locked position causes unit to unlock, preventing damage or accidental lockout. Strike, furnished, is surface mounted on jamb, adjustable vertically.

OPTIONS:

Strike projection dimension options shown on next page. Toggle/bolt and strike also available to door manufacturers without escutcheon for incorporation in their own inside pull or escutcheon.

BACKSET

Distance from jamb surface to centerline of lock escutcheon specified by dash number. Available in three dimensions. See table next page.

STRIKE

Steel, plated for corrosion resistance.

BOLT

Zinc alloy with satin zinc finish.

OPERATION

Press raised end of toggle bar into escutcheon to lock or unlock.

ESCUTCHEON

$\frac{3}{4}$ " x $2\frac{1}{16}$ " x $\frac{3}{8}$ ". ABS resin plastic. Satin black finish.

PATENTED

STANDARD PACKAGE

Individually wrapped lock and strike without mounting screws. Shipping weight: $\frac{1}{5}$ lb.

© 1967, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

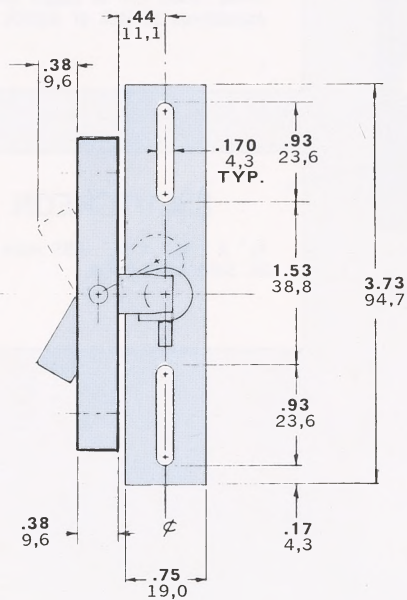
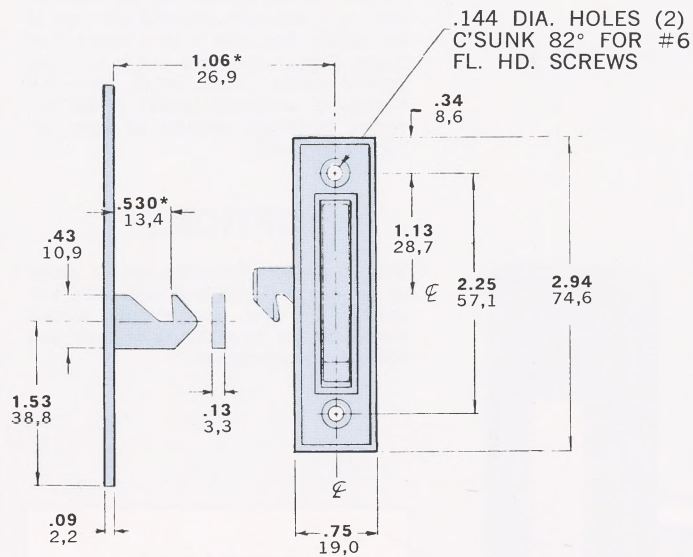
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-30

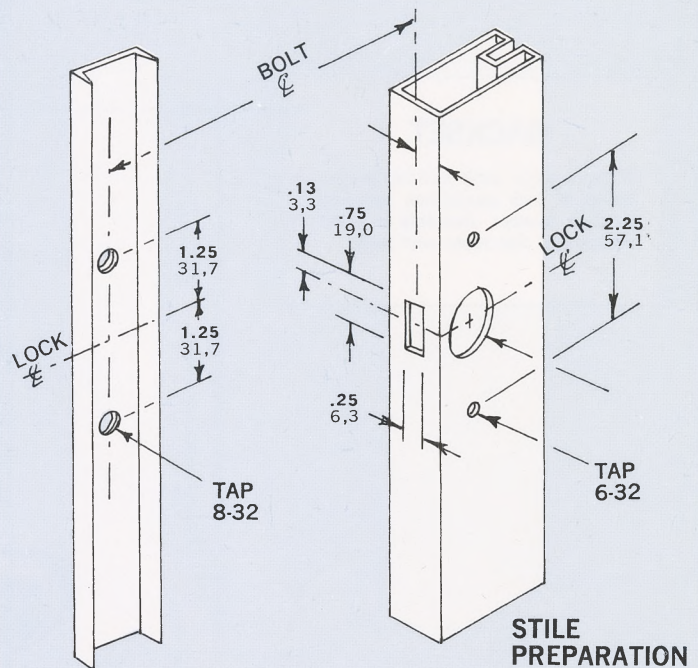
4004 LOCK

DIMENSIONS

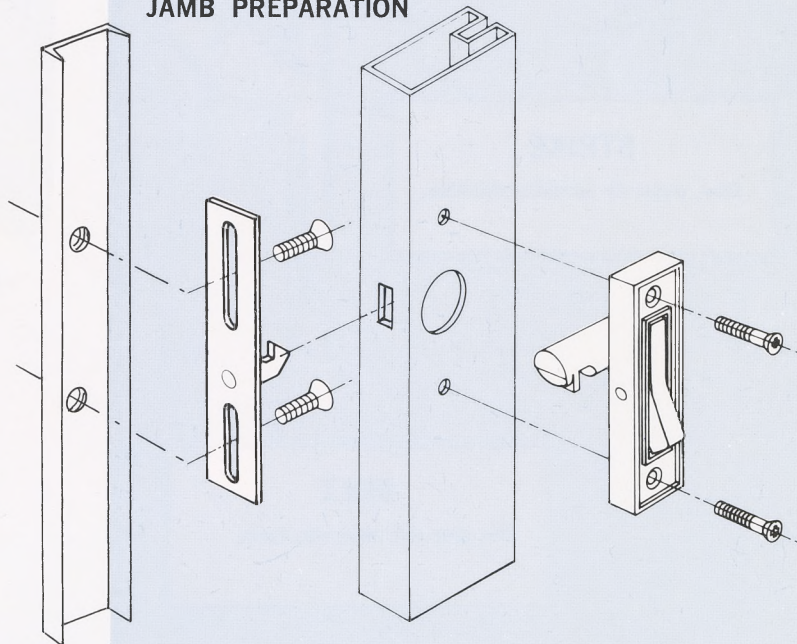
INCHES
MILLIMETERS



INSTALLATION



JAMB PREPARATION



STRIKE AND LOCK INSTALLATION

HOW TO ORDER

1. Specify QUANTITY.
2. Specify LOCK NUMBER 4004.

*Contact factory for high quantity,
special-order lengths of strike "jaw."

BOTTOM-RAIL WINDOW LATCH 4090

CASE

Zinc alloy. Requires inside window rail clearance depth of $\frac{7}{8}$ ".

BOLT

Anti-lift type, locks to window roller rail. Steel, plated for corrosion resistance.

ESCUTCHEON

$3\frac{1}{4}$ " x $1\frac{1}{8}$ ". Zinc alloy. Trim finish: Ritecoat 130 silver epoxy enamel.

STRIKE

One furnished. Mounts to track with sheet metal screws. Additional strikes available for added latching positions, for ventilation, etc.

FUNCTION:

A compact window latch with a deep cupped finger pull and flap type operator, the 4090 offers extra security. Its bolt is designed to prevent the sliding window from being lifted off its track.

OPTIONS:

If latching at positions other than fully closed is required, additional strikes can be installed anywhere along the track. Specify Handing.

OPERATION

Depress flap to unlatch. When flap is released it will act as a stop against inside stationary panel to protect fingers in pull cup.

PULL/FLAP

Zinc alloy. Trim finish: Ritecoat 130 silver epoxy enamel.

STANDARD PACKAGE

Individually wrapped with escutcheon and bolt unassembled, ready for installation. Mounting screws and one strike furnished. Shipping weight: $\frac{1}{3}$ lb.

© 1967, 1972, 1974, 1976 by

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

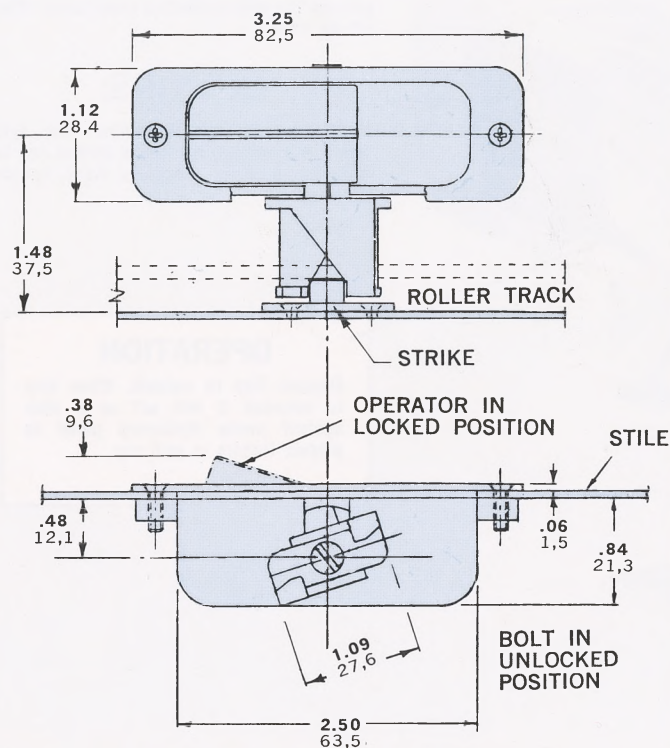
TELEPHONE: (213) 699-0511 • TELEX: 65-7353 • CABLE: MS LOCK

SL-32

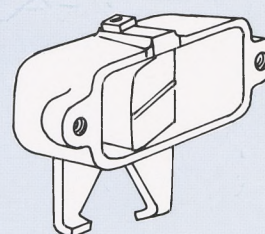
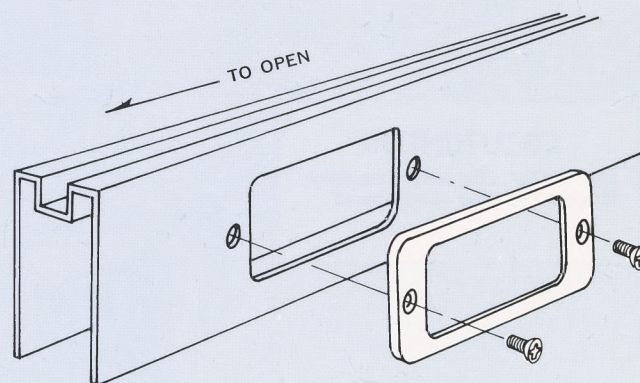
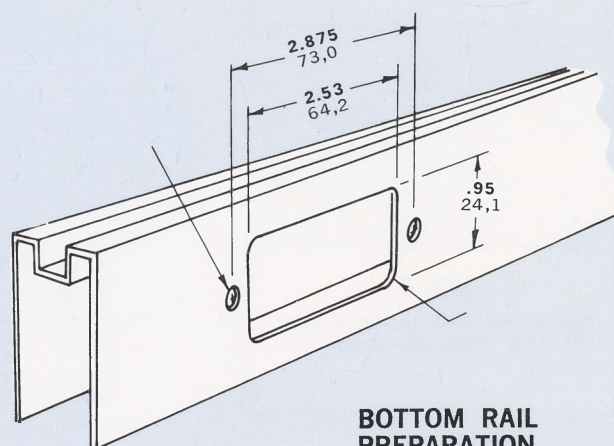
4090 WINDOW LATCH

DIMENSIONS

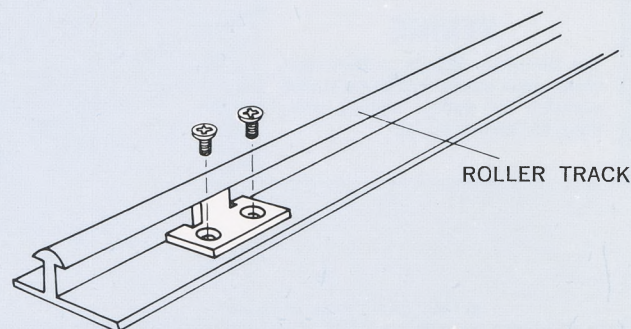
INCHES
MILLIMETERS



INSTALLATION



**LATCH
INSTALLATION**



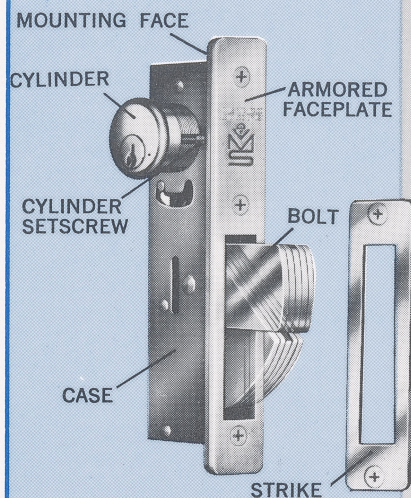
STRIKE INSTALLATION

HOW TO ORDER

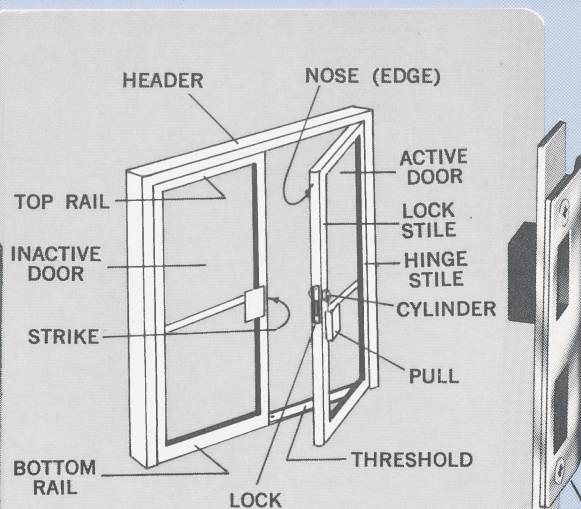
1. Specify **QUANTITY**.
2. Specify **CATALOG NUMBER** which indicates **HAND**: 4090 as shown is right hand. 4090-01 is left hand, opens in opposite direction.
3. Specify if **ADDITIONAL STRIKE(S)** required (to allow latching in partly open position(s)).

IDENTIFICATION OF LOCK PARTS

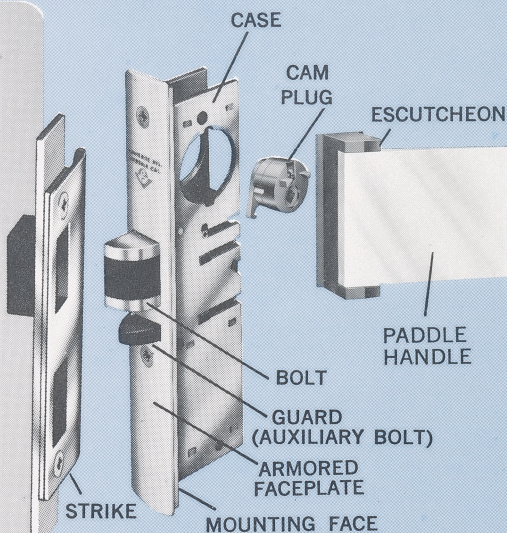
ALSO SEE GLOSSARY OF LOCKWORDS



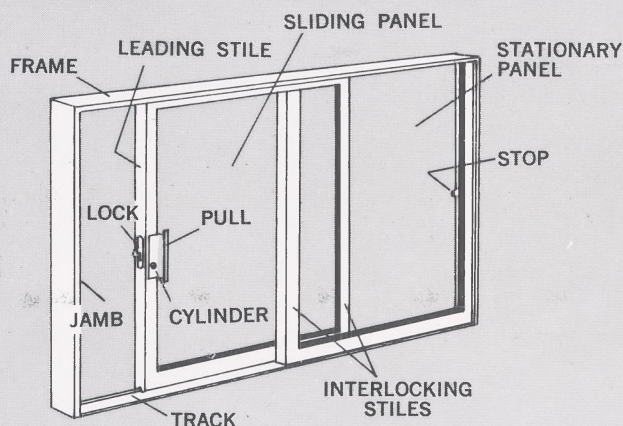
SWINGING DOOR DEADLOCK



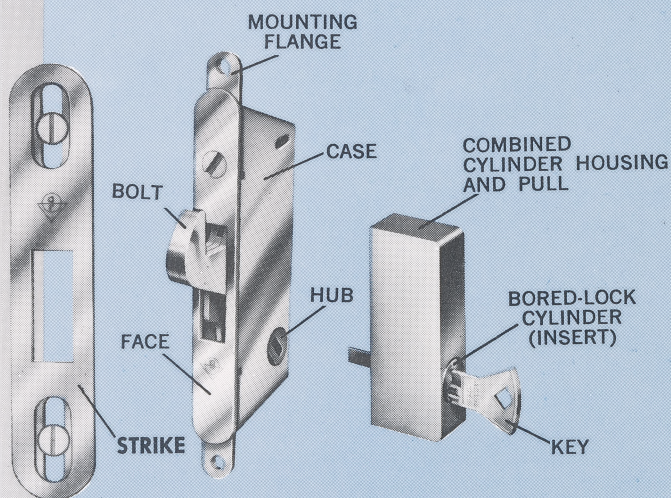
NARROW STILE SWINGING DOORS



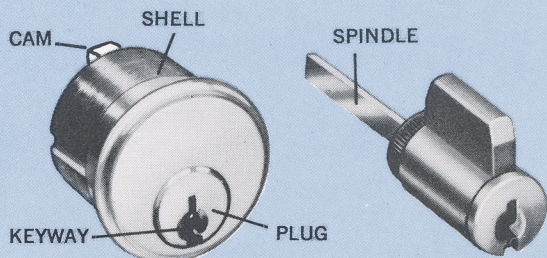
SWINGING DOOR DEADLATCH



NARROW STILE "XO" SLIDING DOOR

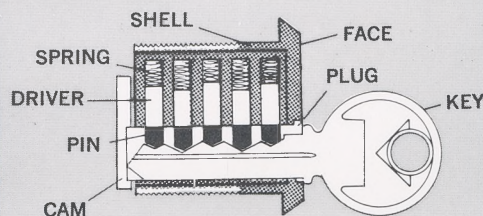


SLIDING DOOR DEADLOCK

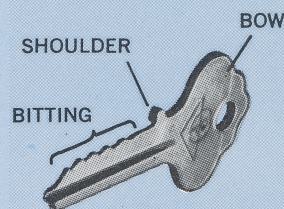


MORTISE CYLINDER

BORED LOCK CYLINDER



CYLINDER SECTION



KEY

GLOSSARY OF LOCKWORDS

ALSO SEE IDENTIFICATION OF LOCK PARTS

BACKSET: Distance from lock trim face to centerline of cylinder and/or lock hub. (Always measured from the center of the lock face.)

BOLT: Projectable member of lock or latch mechanism which engages door frame and strike. **DEAD-BOLT:** Bolt which has no automatic spring action and which is operated (both projected and retracted) by key cylinder or lever handle. **LATCHBOLT:** A bevelled spring-loaded bolt that automatically seats in strike on contact. Retracted by key cylinder or lever handle.

CASE: Housing for lock or latch mechanism.

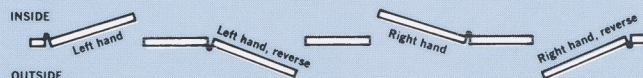
CYLINDER: Housing containing a tumbler mechanism and a keyway plug which can be turned only by the correct key. Includes a cam or spindle to transmit rotary action to a lock or latch mechanism. For security and keying versatility, authorities generally specify a pin tumbler cylinder of no less than 5 pins. These are available in the Mortise cylinder (round, threaded housing) or the Bored lock cylinder (sometimes called a cylinder "insert"). Both types offer the same functional value of security and convenience and are often included in the same keying system. (See Keying.)

CAM: A rotating eccentric piece attached to the end of a cylinder plug to actuate a lock or latch mechanism. **LAZY CAM OR LAZY SPINDLE:** A "lost motion" cam or spindle that rotates less than 360° when key and plug are rotated a full turn.

ESCUTCHEON: Trim plate or lever handle mounting plate.

FACEPLATE: A lock's trim plate on nose of door. Must be flat, radiused (standard 2 $\frac{5}{8}$ " r.) or bevelled (standard $\frac{1}{8}$ " in 2") to match door edge. **ARMORED FACEPLATE:** Faceplate that protects cylinder set-screws.

HAND OF DOOR: The description of swinging door operation. Always viewed from **outside** the room, building, closet, etc. **LEFT HAND:** Door hinges on left. **RIGHT HAND:** Door hinges on right.



INTERLOCKER: Flange on meeting stiles of sliding and stationary panels to provide a weathertight seal when door is closed.

KEEPER: Synonymous with Strike.

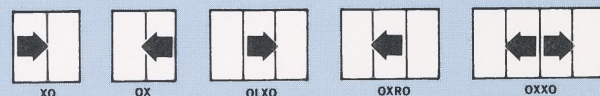
KEYING: Pin-tumbler cylinders offer the possibility of very complex keying arrangements. These are the basic terms: **INDIVIDUAL KEY:** Key for an individual cylinder. **KEYED ALIKE:** All cylinders may be operated by same key. (Not to be confused with Master-keyed.) **KEYED DIFFERENT:** Different individual key operates each cylinder (or group of cylinders). **MASTER KEY:** Key to operate a group of cylinders, each of which may be set to a different individual key. **MASTER KEYED:** All cylinders in a group can be operated by one master key, although all cylinders may be keyed different. (Not to be confused with Keyed-alike.)

LATCH: Device for automatically retaining door in closed position upon its closing. Requires actuation to retract its bolt. **DEADLATCH:** A latch in which the latchbolt is positively held in projected position by an auxiliary mechanism.

LOCK: Device for securing door in closed position against unauthorized or forced entry. Requires actuation to project or to retract its bolt. **DEADLOCK:** Lock in which the bolt is positively held in projected position.

PULL: A grip or handle fastened to the door to facilitate pulling it open. **FLUSH PULL:** A recessed cup type pull, mortised into a sliding door.

SLIDE OF DOOR: Comparable to "hand" of a swinging door. Symbols "X" for sliding panel and "O" for stationary panel denote slide direction to open as viewed from outside of door.



STRIKE: Plate mortised into or mounted on door jamb to accept and restrain bolt. In some metal installations of a deadlock the strike may be simply an opening cut into jamb. (Synonymous with Keeper.)

SPINDLE: A bar connected to cylinder plug or turn piece to provide rotary actuation to a lock or latch mechanism.

THUMBTURN: Small lever handle (usually for infrequent or emergency use only).

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

INDEX

ADAMS RITE PRODUCT NUMBER	DESCRIPTION	CATALOG SECTION & PAGE	PRICE LIST PAGE	ADAMS RITE PRODUCT NUMBER	DESCRIPTION	CATALOG SECTION & PAGE	PRICE LIST PAGE
1000 SERIES	Turns, for inside of sliding door	SL-9	6	4195	Dummy Lockset, flush	SL-21	6
1010	Turn, limited access for windows	SL-10A	6	4413	Pull, for 4189 and 4190 flush locksets	SL-21	6
MS1837	Deadlock, 2-point for wood door	SW-37	3	4418A	Lock installation kit	SW-99	5
MS1848 SERIES	Deadlocks, latches, sliding door	SL-7	6	4430	Lockset flush, plastic trim (incl. MS1848)	SL-23	6
MS1850 SERIES	Deadlocks, large face for replacement use	SW-5	2	4431	Lockset flush, plastic trim, with cylinder (incl. MS1848)	SL-23	6
MS1850A SERIES	Deadlocks, swinging door, pivoted bolt	SW-1	2	4432	Dummy Lockset, flush	SL-23	6
MS1851A-2Pt	Deadlock, with mid-stile and threshold bolts	SW-9	3	4435	Lock mounting flange	SW-100	5
MS1851A-3Pt	Deadlock, with mid-stile, threshold and header bolts	SW-11	3	4501	Latch strike	SW-31	4
MS1850A-505	Deadlock, commercial sliding door	SL-1	6	4502	Latch strike	SW-31	4
SCH1850A	Deadlock, schoolhouse (not lockable from inside)	SW-1	2	4510 SERIES	Deadlatches, fit MS1850A cutout	SW-27	4
MS1850ANSI SERIES	Deadlock, per American National Standards spec.	SW-3	2	4520ANSI SERIES	Deadlatches, per American National Standards spec.	SW-29	4
MS1850ANSI-505	Deadlock, sliding door per ANSI spec.	SL-3	6	4530 SERIES	Deadlatches, replacement, fit MS1850 cutout	SW-28A	4
SCH1850ANSI	Deadlock, schoolhouse, per ANSI spec.	SW-3	2	4560	Latch handle, Aluminum lever	SW-33	4
MS1860	Deadlock, ultra-narrow stile, two point	SW-19	3	4561	Latch handle, Black Delrin® lever	SW-33	4
MS1861	Deadlock, bottom rail, one or two point	SW-21	3	4565	Latch handle, Turn	SW-33	4
MS1870 SERIES	Flushbolt, cylinder-operated	SW-23	3	4580	Cam plug, handle-to-latch	SW-33	4
1875	Deadlock, horizontal two point, rolling or overhead	SW-39	3	4590	Latch "paddle" operator	SW-32A	4
MS1880	Flushbolt, two-point, turn-operated with indicator	SW-17	2	4800 SERIES	Strikes, sliding door, for MS1848 Series	SL-13	6
1885	Header stop, to convert double acting door	SW-18A	2	4803	Strike, sliding door, for 4035	SL-14A	7
MS+1890 SERIES	Latch/Lock, combined, with key override	SW-2A	2	MS4804	Strike, jamb reinforcing, for MS1848	SL-14A	6
2331	Deadlock, sliding door, 1 1/4" backset	SL-5	6	4805	Trimplate, wood sliding door, for MS1848	SL-13	6
4000	Trim strike plate only, for M.S.® pivot-bolt locks	SW-7	3	4806	Strike, sliding door, for 4035	SL-14A	6
4001	Strike with dust box, M.S.® pivot-bolt locks	SW-7	3	4808	Strike, wood jamb, for 5015	SL-8A	6
MS4002	Strike, armored, for M.S.® pivot-bolt locks	SW-7	3	5015	Deadlock, wood sliding door	SL-8A	6
4004	Lock, sliding door, inside operation only	SL-29	7	5100 SERIES	Locksets, sliding door (including MS1848)	SL-15	7
4015	Threshold bolt (second point for M.S.® lock)	SW-10	3	5125	Cylinder kit for 5100 locksets	SL-15	7
4024	Cylinder Pull, sliding door	SL-11	6	5300 SERIES	Locksets, sliding door (including MS1848)	SL-19	7
4025	Cylinder Pull, sliding door	SL-11	6	5325	Cylinder kit for 5300 locksets	SL-19	7
4035	Deadlock, sliding door, inside surface pull mounted	SL-25	7	6100 SERIES	Locksets, sliding door (including 4035)	SL-27	7
4036	Cylinder, standard mortise type	SW-97	5	6125	Cylinder kit for 6100 locksets	SL-27	7
MS4043	Cylinder Guard	SW-13	3	7500	Electric strike for AR latches, Aluminum jamb	SW-35	5
4066	Thumbturn, standard mortise cylinder type	SW-97	5	7501	Electric strike for AR latches, Aluminum radius stile	SW-35	5
4070 SERIES	Deadlock, swinging door, horizontal bolt throw	SW-25	3	7510	Electric strike for AR latches, to replace 002	SW-36C	5
4075	Installation Tool for lock mounting bridges	SW-99	5	7520ANSI	Electric strike for AR latches, ANSI spec.	SW-36A	5
4085	Header bolt (third point for M.S.® locks)	SW-12	3	7530	Electric strike for AR latches, Aluminum jamb	SW-36E	5
4089	Exit Indicator ("Locked/Open")	SW-15	3	7531	Electric strike for AR latches, Aluminum radius stile	SW-36E	5
4090	Latch, sliding window bottom rail	SL-31	7	7540	Electric strike for key-in-knob latches, Aluminum jamb	SW-36G	5
4160	Latch handle, replacement, Aluminum lever	SW-34A	4	7540ANSI	Electric strike for key-in-knob latches, ANSI spec.	SW-36G	5
4170	Trim Strike for 4070 Deadlock	SW-26	3	7550	Electric strike for key-in-knob latches, Wood jamb	SW-36G	5
4189	Lockset, flush, sliding door (incl. MS1848)	SL-21	6	7560	Electric strike for mortise latches, Aluminum jamb	SW-36I	5
4190	Lockset, flush, with cylinder outside (incl. MS1848)	SL-21	6	7560ANSI	Electric strike for mortise latches, ANSI spec.	SW-36I	5
				7570	Electric strike for mortise latches, Wood jamb	SW-36I	5
				7600 SERIES	Electric deadlock actuator	SW-12A	5

ADAMS RITE
MANUFACTURING CO.



4040 SOUTH CAPITOL AVENUE
POST OFFICE BOX 1301
CITY OF INDUSTRY, CALIF. 91749

TELEPHONE: (213) 699-0511 • TELEX: 69-8452 • CABLE: MS LOCK

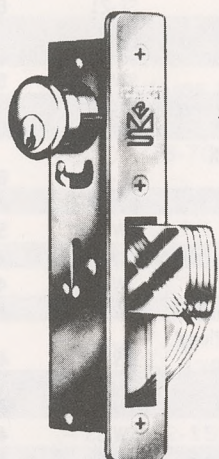
PRICE LIST

October 1, 1976

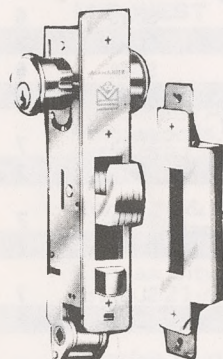
HARDWARE

TERMS: Net 30 days, F.O.B. Factory.
Prices subject to change without notice.
Cylinders not furnished with locks
and latches, but available.

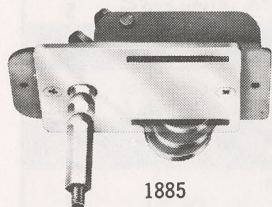
NOTE: \$7.50 Net Service Charge
on **all** orders under \$40.00 Net.



MS 1850A



MS + 1890



1885

PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
MS 1850A Series*	<u>Maximum Security Deadlock</u> —less strike w/plain faceplate, any shape	SW1	US28 (628)	1½	18.70	Hardcolor 1.70
MS 1851AW*	w/weatherseal radius face	SW1	US28 (628)	1½	19.80	1.70
SCH 1850A Series*	<u>Schoolhouse Deadlock</u> —less strike w/plain faceplate, any shape	SW1	US28 (628)	1½	24.00	Hardcolor 1.70
SCH 1851AW*	w/weatherseal radius face	SW1	US28 (628)	1½	25.00	1.70
Schoolhouse Deadlocks are handed Specify: LH or RH						
MS 1850ANSI - 1½" Series*	<u>Maximum Security Deadlock</u> —less strike	SW3	US28 (628)	1¾	24.00	Hardcolor 1.70
SCH 1850ANSI - 1½" Series*	<u>Schoolhouse Deadlock</u> —less strike (Specify: LH or RH)	SW3	US28 (628)	1¾	30.00	1.70
MS 1850 Series	<u>Maximum Security Replacement Deadlock</u> —(less strike) ⅞" — 1½" or 1½" backset	SW5	US28 (628)	1½	24.00	NA
MS + 1890 Series	<u>Deadlock & latch w/strike</u> ⅜", 1⅛" or 1½" backset with plain faceplate	SW2A	US28 (628)		44.00	Hardcoat Face, R/C Strike 3.00
MS + 1891W Series	<u>Deadlock & latch w/strike</u> ⅜", 1⅛" or 1½" backset with weatherseal	SW2A	US28 (628)	2	45.00	3.00
"MS +" Deadlock & latch sets are handed Specify: LH, RH, LHR or RHR						
Order paddle(s) or lever(s) separately						
4505-01	<u>Flat Armored Box Strike</u> (for MS + 1890 Series)	SW2A	US32D (630)	¼	6.60	
4505-17	<u>Flat 2¼" Long Lip Armored Box Strike</u> (For other special lengths: contact factory)	SW2A	US32D (630)		11.30	R/C 1.50
4505-02	<u>Radiused Armored Box Strike</u> (for MS + 1891 Series)	SW2A	US32D (630)		6.60	
4590-11 thru -14	<u>Paddle Operator</u> for MS + 1890 For doors thicker than 1¾", specify thickness and add \$3.30		628 312 335	1¼	26.20 28.40 29.50	NA
4561-11	<u>Lever Handle (Black Delrin)</u> for "MS +" Series for 1¾" thick door	SW2A		¾	14.20	R/C 1.50
MS 1880	<u>Two Way Bolt with Indicator Knob</u> , Two Guides Specify Cyl. & Door Height. Add 8.20 each for Cyl. ht. over 53" or Door ht. over 84".	SW17	US26D (626)	1½	22.00	R/C 1.50
1885	<u>Header Stop</u> Specify handing: LH, RH, LHR or RHR	SW18A	US28 (628)	1	16.50	Hardcoat 4.50

NOTE: FOURTH DIGIT IN LOCK AND LATCH SERIES SIGNIFIES FACE SHAPE
(RADIUS IS MOST POPULAR SHAPE)

EXAMPLE:
MS1850A
↓
FLAT

EXAMPLE:
MS1851A
↓
RADIUS

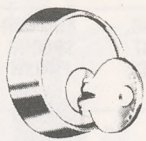
EXAMPLE:
MS1851AW
↓
RADIUS

EXAMPLE:
MS1852(LH)
↓
BEVEL

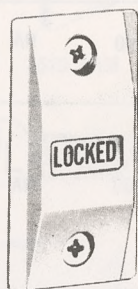
EXAMPLE:
MS1852(RH)
↓
BEVEL

*For "flush glazing" or other jamb conditions preventing entry of 1⅜" long throw "MS" bolts use MS 1850A-505 or MS 1850ANSI-505 "Hookbolts" listed under "Hdwe. For Doors That Slide".

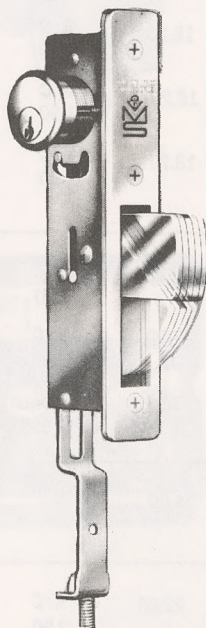
FOR DOORS THAT SWING



MS 4043

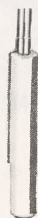


4089

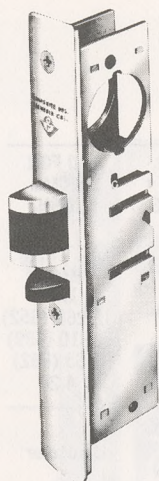


MS 1851A

4015-18
Two-Way Converter



PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
MS 4043	<u>Cylinder Guard</u> (for 5 or 6 pin cylinder)	SW13	CAD (602)	1/8	5.50	R/C 1.50
-01	(for 1/4" walls)				6.60	US26D (652)
-02	(for 1.31" to 1.435" long cyl.)				10.50	US10 (639) US3 (632) 4.20
4000 Series	<u>Trim Strike</u>	SW7		1/8	2.40	Hardcolor
4001 Series	<u>Trim & Box Strike</u>	SW7	US28 (628)	1/8	3.60	1.70
MS4002 Series	<u>Armored Trim Strike</u>	SW7		3/4	7.70	
4003	<u>ANSI Strike</u> (-01 for M.S. Lock, -02 for latch)	SW3	US26D (626) US3 (605)	1/8 1/8	8.80 7.70	NA NA
4089	<u>Exit Indicator and Sign</u> for 1 3/4" door	SW15	R/C130	1/2	11.00	R/C
4089-20	For thicker (2" to 2 1/2") doors				18.70	2.90
MS—2 Pt	<u>Two-way deadlocks.</u> Order basic MS lock (opposite page) plus 4015-18 converter below. (Not available with MS + 1890 Series.)	SW9				
4015-18	<u>Two-Way Converter</u> (threshold bolt) Specify cylinder height	SW10	Zinc (603)	1	8.70	NA
	Add 4.40 for cyl. ht. over 53"					
MS 1837	<u>Two-Way Wood Door Lock</u> w/4001-011 strike (Add \$12.00 for other than std. 36" cyl. ht.)	SW37	US28 (628) US3 (605) US10 (612)	3 3 3	44.00 55.00 55.00	R/C 6.60
MS—3Pt	<u>Three-Way Lock</u> Order basic MS lock (opposite page) plus 4015-18 converter & 4085 Positioner Bolt	SW11				
4085	<u>Positioner Bolt & Header Strike</u> (Add \$5.50 for doors over 84".) Specify cylinder height and door height	SW12	Zinc (603)	1	16.50	NA
MS 1860	<u>Ultra Narrow Stile Deadlock</u> , Less Rods	SW19	Zinc (603)	1 1/4	17.60	NA
MS 1861-01	<u>Bottom Rail Deadlock (one point)</u>	SW21	Zinc (603)	1 1/3	19.80	
MS 1861-02	<u>Bottom Rail Deadlock (two-way)</u>			1 1/2	26.40	NA
4014	<u>Conversion Kit (2nd point)</u>			1/4	6.60	
MS 1871	<u>Cylinder Operated Flushbolt</u> 12" cylinder ht.—3 1/2" or 1 1/8" backset <u>only</u> Over 12" to 53" cyl. ht. (specify) 3 1/2" or 1 1/8" backset <u>only</u>	SW23	US28 (628)	1 1/3	17.00 28.00	Hardcolor 1.70
	Note: Add 2.20 list for 1870, 1871W or 1872					
1875	<u>Two Point Deadlock</u>	SW39	Zinc (603)	1 3/8	33.00	NA
4060	<u>Turn</u> (Specify stile thickness)	SW39	US26D (626)	3/16	12.00	R/C 2.90
4005	<u>Strike</u> (Stainless)	SW9, 10, 11, 17, 23, 27	US32D (630)	1/16	3.30	NA
4070	<u>Deadlock</u> 7/8", 3 1/2" or 1 1/8" backset (Plain faceplates only, weatherseal not available)	SW25	US28 (628)	3/4	22.00	NA
4170	<u>Trim Strike</u>	SW25	US28 (628)	1/16	3.30	NA



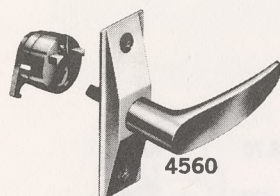
4511
Deadlatch

TERMS: Net 30 days, F.O.B. Factory.
Prices subject to change without notice.
Cylinders not furnished with locks
and latches, but available.

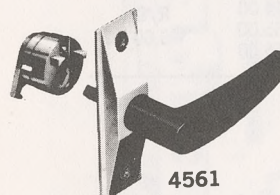
NOTE: \$7.50 Net Service Charge
on **all** orders under \$40.00 Net.

HARDWARE FOR DOORS

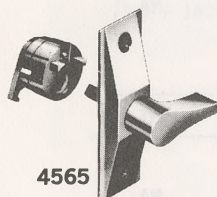
PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
4510 Series	<u>Deadlatch</u> 7/8", 3/32", 1/8" or 1/2" backset with plain faceplate	SW27	US28 (628)	1 1/4	24.00	Faceplate Hardcolor 1.70
4511W	<u>Deadlatch</u> 7/8", 3/32", 1/8" or 1/2" backset with weatherseal Specify: Strike (if other than 4502-1) and handing: LH, RH, LHR or RHR				25.30	Strike R/C 1.50
4520 ANSI Series	<u>Deadlatch</u> —1 1/2" backset only with plain faceplate only Specify strike if other than ANSI	SW29	US10 (612) US28 (628)	1 1/4	33.00	NA
4530 Series	<u>Deadlatch</u> —7/8", 3/32" or 1/8" backset only With plain faceplate only Specify Deadlatch handing: LH, RH, LHR or RHR	SW28A	US28 (628)	1 1/3	30.00	NA
4501 Series	<u>Box Strike</u>	SW31	US32D (630)	1/4	4.00	
4501-17	<u>Long Lip (2 1/4") Box Strike</u>				8.50	R/C
4502 Series	<u>Box Strike</u>			1/8	4.00	1.50
4502-17	<u>Long Lip (2 1/4") Box Strike</u>				8.50	
4560	<u>Lever Handle</u> (Aluminum) for 1 3/4" doors	SW33	US26D (672D)	1/2	18.20	R/C 2.90
4561	<u>Lever Handle</u> (Black Delrin) for 1 3/4" doors			1/2	18.20	R/C 1.50
4565	<u>Thumb Turn Handle</u> (Aluminum) for 1 3/4" doors For doors thicker than 1 3/4", specify thickness and add \$5.00		US26D (672D)	1/2	18.20	R/C 2.90
4560-99	<u>Dummy Lever</u> (Aluminum)	SW33	US26D (672D)	1/2	23.20	R/C 2.90
4561-99	<u>Dummy Lever</u> (Black Delrin)			1/2	23.20	R/C 1.50
4565-99	<u>Dummy Thumb Turn</u> (Aluminum)		US26D (672D)	1/2	23.20	R/C 2.90
4580	<u>Cam Disc</u> —included with stock levers, available separately	SW33	Zinc (603)	3/16	4.00	
4160	<u>Replacement Lever Handle</u> (Aluminum) Specify handing: LH or RH	SW34A	US26D (672D)	1/2	22.00	R/C 2.90
4590-01 thru -04	<u>Paddle Operator</u> for 4500 latches	SW32A	628 312 335	1 1/2	28.60 30.50 31.90	
4590-11 thru -14	<u>Paddle Operator</u> for MS + 1890 For doors thicker than 1 3/4", specify thickness and add \$3.30		628 312 335	1 1/4	26.20 28.40 29.50	NA



4560

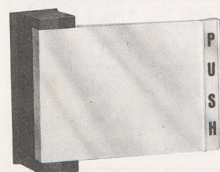


4561



4565

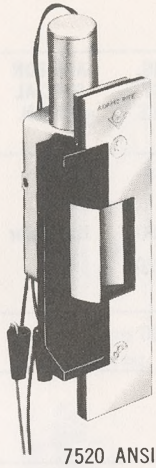
4580
Cam Disc



4590

THAT SWING (Continued)

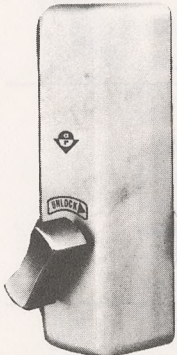
HARDWARE FOR DOORS THAT SLIDE



7520 ANSI



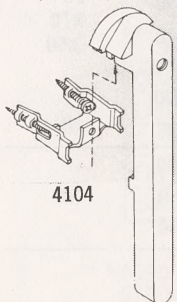
STRIKES RATED
24 VOLT AC OR DC
AND LOWER ARE
U/L LISTED.



7605



4418A

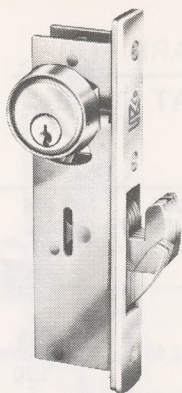


4104

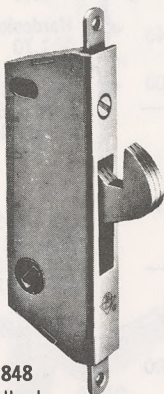
4075

PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
<u>Electric Releases For Use With A/R Series Deadlatches</u>						
7500 (For aluminum jambs)	16 or 24 VAC, 6 or 12 VDC	SW35	US28 (628)	1	31.40	} Hardcolor 1.70 US3 (605) US10 (612) US10B (613) US26D (626) 4.40 } Hardcolor 1.70 US3 (632) US10 (639) US10B (640) 4.40
7501 (For aluminum stiles)	16 or 24 VAC, 6 or 12 VDC	SW35	US28 (628)	1	38.00	
7530 (For aluminum jamb pre-cut for "MS" bolt)	16 or 24 VAC, 6 or 12 VDC	SW36E	US28 (628)	1	38.00	
7531 (For aluminum stile pre-cut for "MS" bolt)	16 or 24 VAC, 6 or 12 VDC	SW36E	US28 (628)	1	44.60	
7520 ANSI (For hollow metal jambs)	16 or 24 VAC, 6 or 12 VDC	SW36A	US28 (628)	1	31.40	
7510 (Replacement or wood)	16 or 24 VAC, 6 or 12 VDC	SW36C	US26D (652)	1¼	38.00	
<u>Electric Releases For Cylindrical ("Key-in-Knob") Locksets (by others)</u>						
7540 (For aluminum jambs)	} 16 or 24 VAC, 6 or 12 VDC	SW36G	US28 (628)	1	31.40	US3 (605) US10 (612) US10B (613) US26D (626) 4.40 Hardcolor 1.70
7540 ANSI (For hollow metal jambs)						
7550 (For wood jambs)						
<u>Electric Releases For Mortised Deadlatches (by others)</u>						
7560 (For aluminum jambs)	} 16 or 24 VAC, 6 or 12 VDC	SW36I	US28 (628)	1	44.00	US3 (605) US10 (612) US10B (613) US26D (626) 4.40 Hardcolor 1.70
7560 ANSI (For hollow metal jambs)						
7570 (For wood jambs)						
OPTIONS FOR ALL ELECTRIC RELEASES	For 48VAC, 24VDC or 48VDC	Add	8.20	(Other non-standard		
	For Monitor Signal Switches*	Add	44.00	voltages require		
	Specify Long Lip by Dash Number (up to 3")	Add	7.70	factory quotation.)		
	For Continuous Duty D.C.	Add	16.50			
	For Continuous Duty A.C.	Add	35.20	(Includes 4601 Rectifier)		
	For Reverse Action & Continuous Duty D.C. Specify LH or RH	Add	45.00			
	For Reverse Action & Continuous Duty A.C. Specify LH or RH	Add	63.80	(Includes 4601 Rectifier)		
4601	<u>Rectifier</u> (to silence A/C units)	SW35 thru SW36J		⅛	18.70	
4602	Current Limiter (minimizes current draw of 24 VAC or 24 VDC units)			¼	27.50	
4605	<u>Transformer</u> (for 115/24 VAC only)	SW35 thru SW36J		1½	10.00	
7600 Series	<u>Electric Deadlock Actuators</u>	SW12A	US28 (628)	1¼		Accessory Cover - 335 black anodized available separately: \$8.00
	7602 (LH) or 7603 (RH) Without knob or lights				180.00	
	7604 (LH) or 7605 (RH) Knob only				196.00	
	7606 (LH) or 7607 (RH) Lights only				212.00	
	7608 (LH) or 7609 (RH) With knob and lights				228.00	
4036	<u>Cylinder</u> (1 Key & ¼" Ring, KD, KA2, KA50 only)	SW97	US28 (628)	⅓	7.20	
			312		7.70	
			335		7.70	
4066	<u>Thumb Turn Cylinder</u> (w/¼" Ring)	SW97	US28 (628)	⅓	9.40	
			312		9.90	
			335		9.90	
4418A	<u>Installation Kit</u> (for "MS" locks)	SW99	NA	5½	93.50	
	Re-order prices, components not listed elsewhere:					
	4075 Positioning Tool				7.70	
	4082 Hole Saw				21.00	
	HX234 Blade only				6.60	
	4079 Pilot				13.80	
	4104-01 Radius Mtg. Bridge (50 pack)				27.60	
	4104-02 Flat Mtg. Bridge (50 pack)				27.60	
	4104-03 LH Bevel Mtg. Bridge (25 pack)				13.80	
	4104-04 RH Bevel Mtg. Bridge (25 pack)				13.80	

* Specify strike catalog number with "M" suffix if monitor signal switches required.



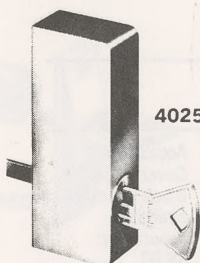
MS1851A-505
Hookbolt
Deadlock



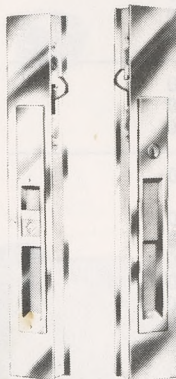
MS1848
Deadlock



1010



4025



4190
Lockset

TERMS: Net 30 days, F.O.B. Factory.
Prices subject to change without notice.
Cylinders not furnished with locks
and latches, but available.

HARDWARE FOR

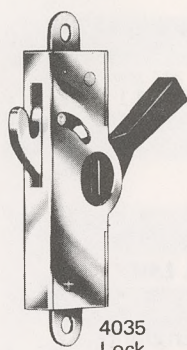
NOTE: \$7.50 Net Service Charge
on **all** orders under \$40.00 Net.

PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
MS 1850A-505 Series	<u>Hookbolt Deadlock</u> —less strike w/plain faceplate, any shape	SL1	US28 (628)	1¼	19.80	Hardcolor
MS 1851AW-505	w/weatherseal radius face			1¼	20.90	1.70
MS 1850ANSI-505 Series	<u>Hookbolt Deadlock</u> —less strike 1½" backset & plain faceplate only	SL3	US28 (628)	1½	25.30	
MS 1850A-505—2 Pt Series	<u>Two Way Deadlock</u> Order basic lock (above) plus 4015-18 Converter (Page 3)	SL1 SW10				
2331 Series	<u>Deadlock & Strike</u>	SL5	US3 (605) US10 (612) US26D (626)	1½	44.00	
MS 1848 Series	<u>Deadlock</u> (Specify dash number)	SL7	Zinc (603)	¼	6.60	
MS 1848SS Series	<u>Deadlock</u> —STAINLESS STEEL case & adjustment screw		US32D (630)	¼	8.80	NA
MS 1848 Series	<u>Deadlatch</u> (Specify dash number)	SL7	Zinc (603)	¼	6.60	
MS 1848SS Series	<u>Deadlatch</u> —STAINLESS STEEL case & adjustment screw		US32D (630)	¼	8.80	
5015	<u>Deadlock</u> —for wood doors	SL8A	Zinc (603)	½	6.60	NA
4808	<u>Strike</u> —with wood screws	SL8A	CAD (602)	⅛	1.50	
1000-01 or -02 Series	<u>Turn</u> (Specify 2nd dash number for spindle length)	SL9	US26D (626)	⅙	2.20	R/C 1.70
1000-11 or -21 Series	<u>Turn & Escutcheon</u> (Specify 2nd dash no. for spindle length)	SL9	US26D (626)	⅙	3.00	R/C 2.20
1010	<u>Limited Access Turn</u> w/ spanner key. Use with 1848 Series <u>Deadlock</u> only.	SL10A	Nylon	⅙	2.80	NA
4025	<u>Cylinder Pull</u> —Adams Rite	SL11	R/C130	⅔	8.20	
4025-01	<u>Dummy Pull</u>			⅙	2.80	
4025-05	Schlage Cylinder Pull			⅔	15.10	R/C
4025-06	Weiser Cylinder Pull			⅔	7.90	1.70
4025 Cyl. x Cyl.	"Cylinder both sides" Pullset	SL11		1¼	Add 7.00/Set	
4024-06	Weiser Cylinder Pull	SL11		⅓	7.70	
MS 4804	<u>Reinforcing Strike & Screws</u> (Two part doubler for strengthening aluminum jamb)	SL14A	Zinc (603)	⅙	2.20	R/C 1.70
4805	<u>Lock Retainer</u> (1848 mount for wood doors)	SL13	CAD (602)	¼	2.20	R/C 3.30
4800 Series	<u>Strike</u> (Specify 4801 for metal, 4802 for wood jamb and Dash No. indicating number of shims)	SL13	CAD (602)	⅙	1.70	NA
4189 Series	<u>Flush Lockset</u>	SL21	R/C130	1⅙	15.40	
4190 Series	<u>Flush Lockset</u> , w/ cylinder			1¼	20.90	
4190	<u>Flush Lockset</u> Cylinder outside, dummy inside			1¼	26.40	R/C
4190	<u>Flush Lockset</u> , Dummy outside, cylinder inside			1¼	31.90	3.50
4195	<u>Dummy Flushset</u>			¾	10.50	
4413	<u>Grip Pull</u>		Gray	⅙	2.80	NA
4430	<u>ABS Flush Lockset</u>	SL23	Black	⅔	11.00	
4431	<u>ABS Flush Lockset</u> w/cylinder			1⅓	16.50	NA
4432	<u>ABS Dummy Flushset</u>			¼	3.90	

DOORS THAT SLIDE



5300
Lockset



4035
Lock

PRODUCT NUMBER	DESCRIPTION	CATALOG PAGE	STANDARD FINISH (BHMA CODE)	APPROX. SHIPPING WT. (LBS.)	SUGG. LIST PRICE	ADD FOR SPECIAL FINISH
* 5100 Series	Lockset	SL15				
5301, 5302 Series	Lockset, Walnut Grip	SL19	US28 (628)	3/4	22.00	
5303 Series	Lockset, Walnut Grip				22.90	
5301, 5302	Dummy Set, Walnut Grip	SL19	US28 (628)	1/2	11.00	
5303	Dummy Set, Walnut Grip				11.50	NA
5325 (4024-AR)	Adams Rite Cylinder Kit	SL19	R/C130	1/2	7.50	
5325 (4024-06)	Weiser Cylinder Kit				7.70	
5325 (4024-05)	Schlage Cylinder Kit				14.90	
	Specify stile thickness for locksets & cylinder kits					
4035	Deadlock (Specify -01 Black, -02 Brown lever)	SL25	CAD (602)	1/8	3.90	NA
4035-10	Deadlock (no lever)				3.90	
* 6100 Series	Lockset	SL27				
4803	Strike	SL28A	CAD (602)	1/16	1.70	NA
4806	Strike	SL28A	US32D (630)	1/16	1.70	NA
4004	Economy Lock & Strike	SL29	Black	1/8	6.50	NA
4090	Bottom Rail Window Lock & Strike	SL31				

FINISHES: Most modern narrow stile structures are aluminum material which dictates the aluminum finishes on Adams Rite Architectural Hardware. This standard stock finish is listed with each product. The requirements of design and materials used precludes unlimited finish options. We recommend your careful review of catalog data on each product and inquiry, if necessary, relative to non-stock finishes. Several popular anodized or "Hardcolor" finishes can be matched by the Adams Rite "Ritecoat" (R/C) colors*. See catalog page SW-101 for details.

CLAIMS: All merchandise is shipped F.O.B. our factory and becomes customer's property when it passes into the hands of the carrier. We cannot accept responsibility for claims resulting from damage or loss in transit. Such claims should be filed promptly with the delivering carrier. Claims for adjustments arising from other than transportation should be submitted promptly with supporting data.

RETURNED GOODS: Credit or replacement will be allowed on merchandise which our inspection clearly indicates to be defective in materials or workmanship or which were shipped in error. Authorization to return merchandise must be obtained from our factory. Transportation charges on all returned goods must be prepaid by the shipper.

*Specify RITECOAT or HARDCOLOR finish by NUMBER.

DESCRIPTION	RITECOAT	"HARDCOLOR"
Dull Brass	104	—
Dull Bronze	110	
Satin Black	119	335
Oil Rubbed Bronze	121	313
Satin Aluminum	130	

HOW TO ORDER: Complete identification of each item can be made by numbers, letters and dimensions given in the details on each catalog page. Show all pertinent numbers and specify finish. Be sure to specify handing and keying when such data applies. Adequate descriptions insure prompt shipment of your exact needs.

LIMITED WARRANTY: Adams Rite Manufacturing Co., warrants that all products manufactured and sold by it are free from defects in material, workmanship and design and that such products are fit for the purpose intended by us when properly installed, used and maintained.

Except as provided below this warranty shall expire 18 months after the date of the first retail purchase of our product. However, in the event our product is purchased for the purpose of resale as a component or part of some other product or item prior to the first retail sale thereof, then this warranty shall expire 18 months after the date of such sale. This warranty extends only to the first retail purchaser of the subject product, except that in the event the product is purchased for the purpose of resale as a component or part of some other product or item prior to the first retail sale thereof, then this warranty extends only to such purchaser. (On certain products, the warranty period may be subject to negotiation; extended warranties, as a result of such negotiation must be in writing signed by an authorized Officer of this Company).

The liability of Adams Rite Manufacturing Co., pursuant to this warranty is limited to the price charged by it for the covered product or part thereof or to the repair or replacement of such product or part thereof at the discretion of Adams Rite Manufacturing Co., F.O.B. our factory.

As a condition for the performance of this warranty, a purchaser first discovery of any claimed defect deliver the subject product or part asserting a claim pursuant to this warranty shall within 30 days after first discovery of any claimed defect deliver the subject product or part thereof to: Warranty Claims Department, Adams Rite Manufacturing Co., 4040 South Capitol Ave., City of Industry, Calif. 91749.

Any implied warranty of the products covered hereby is limited to the duration of the express warranty set forth herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

*4090 Window Lock and 5100 and 6100 Series Locksets are OEM items available on special order of 100 sets or more: consult Factory

ADAMS RITE REPRESENTATIVES

WEST

John Adams Co.
5331 E. Olympic Blvd.
Los Angeles, Calif. 90022
(213) 728-7004

Arthur Bell, Jr.
P.O. Box 70
13405 Main St.
Broomfield, Colo. 80020
(303) 466-0482

Duane Lyle
P.O. Box 538
1845 Bay Laurel Dr.
Menlo Park, Calif. 94025
(415) 322-1515

Frank Martin Co., Inc.
P.O. Box 25132
Northgate Station
Seattle, Wash. 98125
(206) 523-7665

MID-WEST

Dan Ryan
3321-36th Ave. NE
Minneapolis, Minn. 55418
(612) 781-0347

Kennedy & Shore Inc.
1204 Waltower Bldg.
823 Walnut
Kansas City, Mo. 64106
(816) 221-4255

Charles Hynes
P.O. Box 150
Argo, Illinois 60501
(312) 581-3372

Gordon S. MacDonald
P.O. Box 467
Birmingham, Mich. 48012
(313) 649-1419

Joseph Hoffmann
5859 Nottingham
St. Louis, Mo. 63109
(314) 351-3502

Barnaby Associates
1244 Clubview Blvd., N.
Worthington, Ohio 43085
(614) 846-0620

EAST

The George H. Fisher Co., Inc.
24-16 Bridge Plaza South
Long Island City, N.Y. 11101
(212) 361-2450

Sheehan Associates
204 Walt Whitman Blvd.
Cherry Hill, N.J. 08003
(609) 428-5786

Robert D. Bensman
P.O. Box 219
29 Willowgrove Court
Tonawanda, N.Y. 14153
(716) 694-4093

TED Associates
P.O. Box 426
4 Pearl St.
Dedham, Mass. 02026
(617) 326-5033

SOUTH

William Fokes
P.O. Box 347
Vienna, Georgia 31092
(912) 268-4469

C. J. McAvoy Co., Inc.
1700 N. Parkway
P.O. Box 12362
Memphis, Tenn. 38112
(901) 278-9822

CANADA

K. M. Thomas Co., Ltd.
809 Alness St.
Downsview, Ontario, Canada
(416) 661-1555

CANADA (B.C.)

Frank Martin Co.
P.O. Box 25132
Northgate Station
Seattle, Wash. 98125
(206) 523-7665

AUSTRALIA

Howard F. Hudson Pty. Ltd.
P.O. Box 149
Beaconsfield 2015
Hudson House
20-22 William St.
Alexandria 2015, Australia
Telephone 698-2541

LATIN AMERICA, MID EAST & PACIFIC

Wespac Corp., Div. of
American International
Commerce Inc.
24 California Street
San Francisco, Calif. 94111
(415) 362-5626
Telex: 34369

EUROPE

Adams Rite (Europe), Ltd.
17 Bowater Rd.
Westminster Ind. Est.
London, SE18, 5TF, England
Tel.: 01-855-0121-2
Telex: 851-896433

GREECE

Stelios Athanassacopoulos
& Co. E.E.
105 Leoforos Athinon
Athens 301, Greece
Telephone: 3456.290

NEW ZEALAND

Arthur Martin, Ltd.
P.O. Box 2748
Martex House
57 Boston Road
Auckland 1, N.Z.
Telephone 75-799
Telex: 791-2723

SOUTH AFRICA

Samuel Osborn (So. Africa) Ltd.
Osborn House
350 Main Reef Rd.
Denver, Transvaal 2001
Republic of So. Africa
616-2130
Telex: 960-43-7353



CITY OF INDUSTRY
CALIFORNIA 91749
P.O. BOX 1301
TEL: (213) 699-0511
TELEX: 65-7353

ADAMS RITE 