RUSSWIN®

Architectural Hardware

RUSSWIN
NEW BRITAIN, CONNECTICUT 06050

Gentlemen:

Your copy of the 125th Anniversary Edition of Russwin's General Catalog, Volume 20, is enclosed. In addition to easier-reading type, stronger paper and clearer illustrations, we have incorporated many new items - too numerous to mention.

You will note that we have re-aligned the Sectional division of products to simplify ordering; for instance, whereas Wrought Trim, Cast Trim, Entrance Handles and Accessory Trim for Mortise Locksets were covered by four separate Sections in the previous catalog, they are now shown in one Section (no. 6) in this catalog.

We urge you to take a few minutes and review this new catalog to familiarize yourself with the new layout.

Your comments, either pro or con, will be appreciated.

RUSSWIN

RUSSWIN®

ARCHITECTURAL DOORWARE

general catalog no. 20

1964 edition

Copyright 1964, Russwin
Division of Emhart Corporation
New Britain, Connecticut

"The Times Change . . .
And We Have Changed With Them"

RUSSWIN®

RUSSWIN

The ensuing pages proudly present complete product information depicting the entire line of RUSSWIN Architectural Hardware. Representing over one hundred and twenty five years of specialization, these same pages are as modern as the hardware they describe. Stylized format, easier-to-read type, accurate artwork, photographs and a simplified indexing system are all designed to make readily available information relating our broad product lines to the architectural and construction field.

Our catalog is representative of the vast distribution network that it supports. Highly qualified and experienced distributors, coupled with RUSSWIN field representatives including — district sales offices in New York, Chicago and San Francisco assure unmatched service and satisfaction.

Since 1839, through continuous research and development, the building industry has changed and as times change, RUSSWIN has consistently established new trends in creative doorware to satisfy and emulate these needs. RUSSWIN will continue to seek newer methods through its manufacturing and engineering facilities to express the inherent quality of its product and its reputation for integrity. Let this catalog be your guide to the finest architectural hardware available. We trust you will find it a complete source of reference and a pleasure to use.

Classification Of Finishes

U.S. Bureau of Standards finish symbols are listed where applicable.

Russwin Finish Symbol	Description
Cast and Wrought Brass	
US3	Polished Brass
US3A	Polished Brass, No Lacquer
US4	Satin Brass
US19	Satin Black Lacquer
28L	Satin Aluminum Lacquer (Hinges)
9-OE	Satin Antique Brass for Hammered Surface
Cast and Wrought Bronze	
US10	Satin Bronze
US10NL	Satin Bronze, No Lacquer
US10B	Light Statuary Bronze, Oxidized and Fully Relieved, Oil Rubbed
10BL	Light Statuary Bronze, Oxidized and Fully Relieved, Lacquered
US11	Satin Bronze, Oxidized and Fully Relieved
US11A	Satin Bronze, No Lacquer, Oil Rubbed
20A	Very Dark Statuary Bronze, Lacquered
US26	Polished Chrome
US26D	Satin Chrome
Steel and Iron	
US4	Satin Brass Plated
US10	Satin Bronze Plated
US14	Polished Nickel Plated
US15	Satin Nickel Plated
US19	Satin Black Lacquer
US2G	Electro-Galvanized
Aluminum	
US27	Polished Aluminum, Lacquered
US28	Satin Aluminum, Anodized
Stainless Steel	
US32	Polished Stainless Steel
US32D	Satin Stainless Steel
Cast Russwin Metal	
US17A	Hammered Half-polished Iron on Copper Nickel Alloy

Optional Finishes

Fire Exit Bolts (except Exiter series) — SBL Silver Aluminum Lacquer
DBL Dull Bronze Lacquer
FBL Flat Black Lacquer

Door Closers — SBL Silver Aluminum Lacquer
DBL Dull Bronze Lacquer
FBL Flat Black Lacquer
USP Prime Coat (for Paint)
OBL Very Dark Statuary Bronze Lacquer (matches 20A)

RUSSWIN Symbols

For use in specifying and ordering Russwin hardware. Affix symbol to number of item to which it applies. Additional symbols are shown with various products to which they apply throughout catalog.

Symbol	Description
Dummy Trim	
DT	Dummy trim
Keys	
KA	Keyed alike, operable by identical change keys.
KD	Keyed different, operable by different change keys.
MK	Master key
GMK	Grand master key
GGMK	Great grand master key
EM	Emergency key
MKC	Construction master key
GMKC	Construction grand master key
GGMKC	Construction great grand master key
Knobs (also see page 75)	
NR	No rose
OSKP	Outside knob pinned
Locks and Strikes	
AF	Armored front
RC	Rounded corners on front
RF	Rounded front (front is convex for door with rounded edge)
RFS	Rounded front and strike
B.S.	Backset (distance from front of lock to center of hub or keyway). State size
BEV.	Bevel of lock front. State bevel required (regular bevel ⅛ on 2 in.)
CB	Cast box strike, state hand
R	Rabbeted front (also used: RAB)
WB	Wrought box strike
ASA	American Standard Association (The "ASA Strike" is the one listed in American Standard A115-61).
H	Prefix for hold-back locks
OBS	Open-back strike, lock strike with back cut away for use on pairs of doors permitting inactive leaf to be opened independently.
Hinges	
AMS	All machine screws
AWS	All wood screws
Mounting Screws**	
WS	Wood screws
MS	Machine screws
TMS	Template machine screws
STMS	Strike template machine screws
O.H.	Oval head
FH	Flat head
RH	Round head
SH	Spanner head (prefix to WS or MS as required) — also used: SP.HD.
PH	Phillips head (prefix to WS or MS as required)
PYR.H	Pyramid head (prefix to WS or MS as required)
UH	Undercut head (prefix to WS or MS as required)
Through Bolts and Nuts	
TBN	Through bolt and nut
SNB	Sex nut and bolt
Miscellaneous Hardware	
BTB	Back to back (as pulls) — also used: B. to B.
CFC	Cut for cylinder
CFT	Cut for turn knob
Template Work	
TMS	Made to template and furnished with machine screws
ATMS	Arm only of door closer made to template and furnished with machine screws
STMS	Strike only made to template and furnished with machine screws

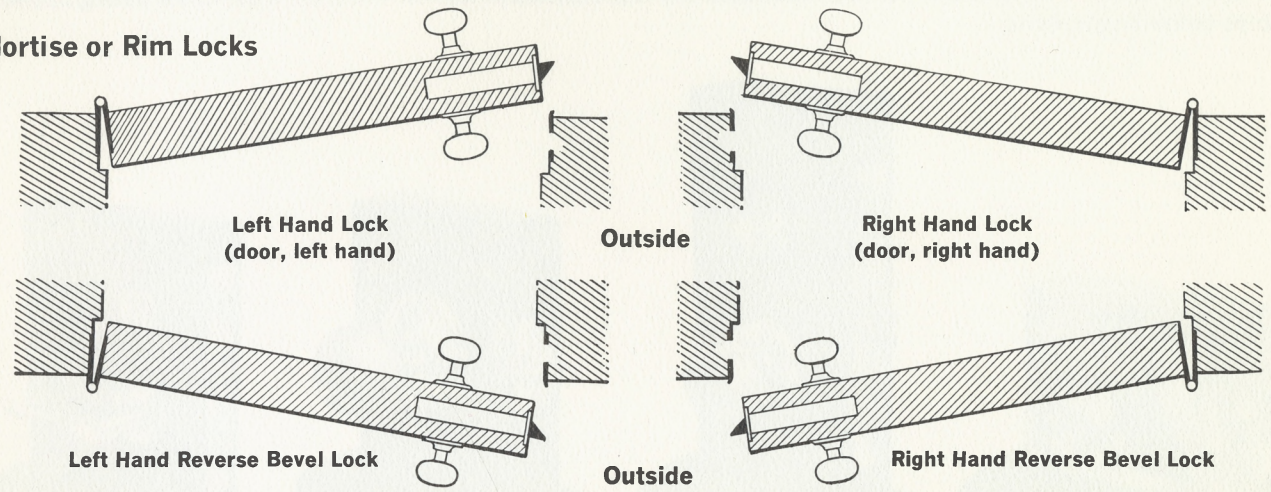
**For self-tapping screws specify by writing "self-tapping screws" (furnished only in steel plated to match).

Hand and Bevel of Doors

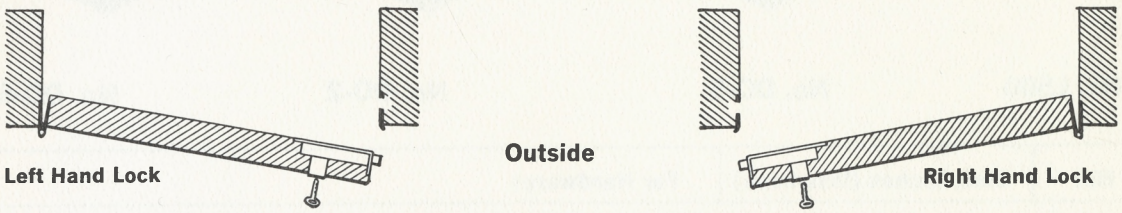
Handing of Doors and Windows

Always Take Handings From Outside

Mortise or Rim Locks

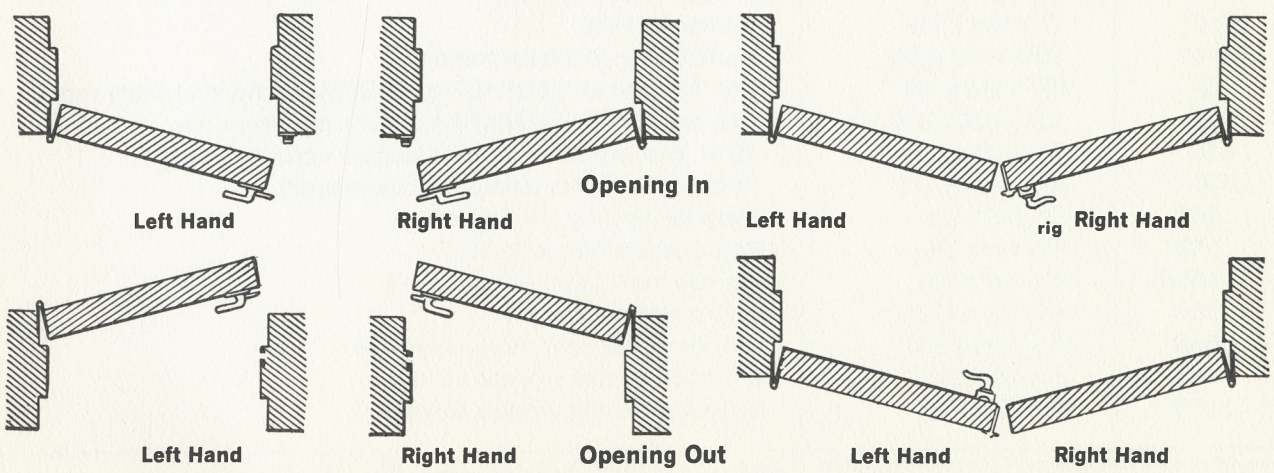


Book Case or Cupboard



Book case and cupboard doors always open out, and the locks are regularly made with reverse bevel latch bolt. It is not necessary to specify reverse bevel.

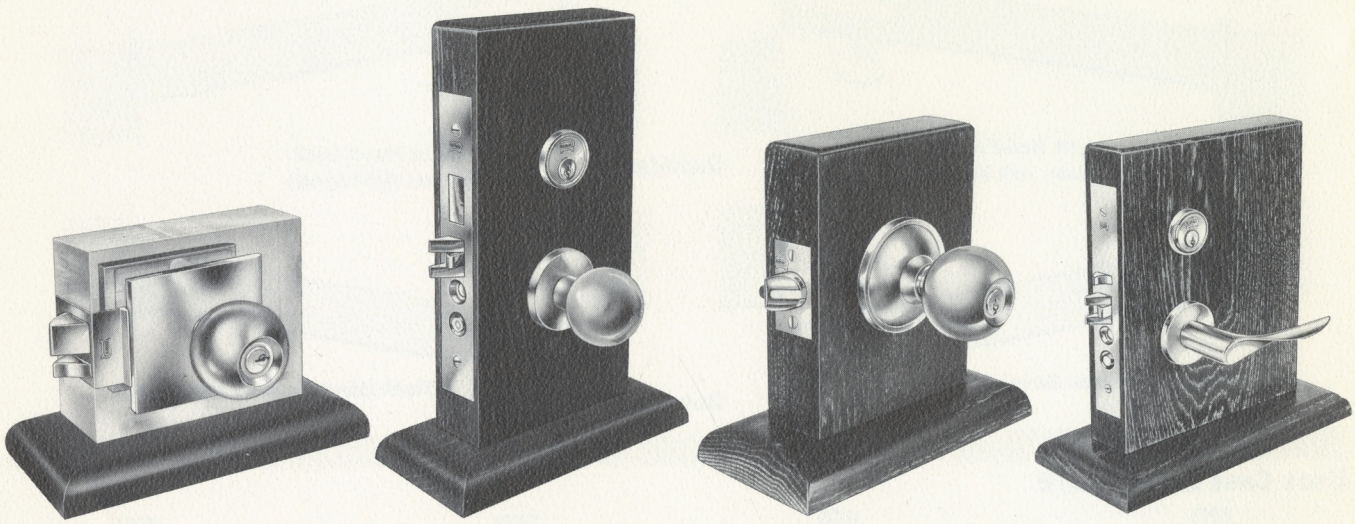
Casement Windows



As casement windows are handed from inside, it is necessary to state whether they open in or out.

Sample Mounts

Designed to show Russwin doorware as functioning applications, these mounts offer distributors, architects and interior designers attractive sales aids. Furnished in natural, grey-green lacquer, light or dark oak finishes. Special colors and woods are available on request. Illustrated are representative sample mounts. A complete listing appears in tables below illustrations.



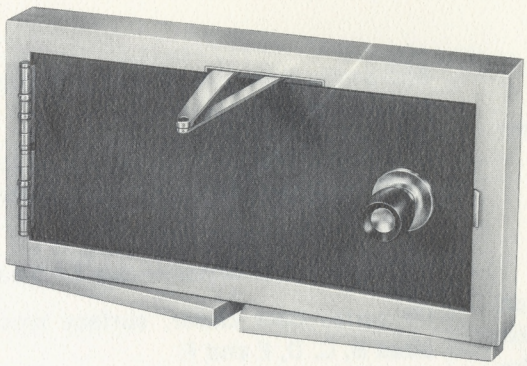
No. L500 No. DO-5 No. DO-2 No. DO-6

Mount No.	Size, Inches (less base)	For Hardware†
Locksets		
DO-1*	6 x 4¾ x 1⅜	FORUM
DO-2*	7 x 5½ x 1¾	STILEMAKER
DO-3*	7 x 5½ x 1¾	UNILOC
DO-4*	9 x 8½ x 1¾	UNILOC x lever handle
DO-5*	11 x 5½ x 1¾	Mortise lockset
DO-6*	10½ x 8½ x 1¾	Mortise lockset x lever handle
65	9½ x 9½ x 1¾	5 in. backset STILEMAKER or FORUM lockset x auxiliary rose
67	13½ x 10 x 1¾	7 in. backset STILEMAKER lockset x auxiliary rose
610	11 x 18 x 1¾	10 in. backset STILEMAKER lockset x auxiliary rose
L500	5½ x 4½ x 1¾	Knob UNILOC (transparent lucite mount)
44B	5½ x 8 x 1¾	Extra-heavy duty UNIT® lockset
54B	4½ x 6 x 1⅜	Sectional mortise lockset
54¾B	4½ x 6 x 1¾	Mortise night latch — dead locks
55B	4½ x 8 x 1⅜	Inside mortise lockset
055B	5 x 11½ x 1¾	Cylinder front door mortise lockset
99B	5 x 18 x 1¾	Entrance handle mortise lockset
115B	5 x 21 x 1¾	Entrance handle mortise lockset

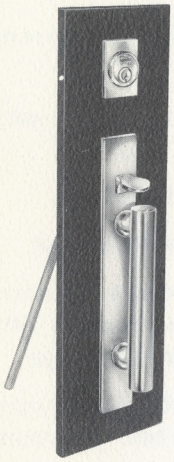
*DO signifies dark oak finish; if light oak is required, change suffix to read LO, i.e., LO-1, LO-2, etc.

†SPECIFY NUMBER, DESIGN AND FINISH

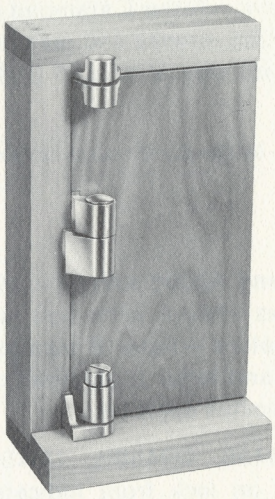
Sample Mounts



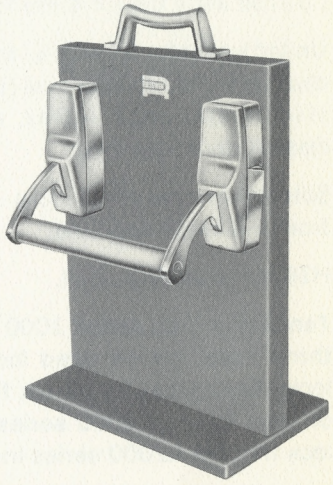
No. M500



No.90E



No. P40



No. 760S

Mount No.	Size, Inches (less base)	For Hardware†
Door Closers		
400	27 x 15 x 4	400 door closer (specify hardware required)
S500	22¾ x 11¼ x 3	500 surface closer (specify hardware required)
M500	22¾ x 11¼ x 3	500 mortise closer (specify hardware required)
500-4	27 x 15 x 4	500-4 door closer (specify hardware required)
159C	25 x 9 x 13	59B door closer (specify hardware required)
S600	23¼ x 11¼ x 3	600 door closer (specify hardware required)
5	20 x 8 x 5¼	No. 5 screen door closer
Miscellaneous		
90E	5 x 18 x ½	Entrance handle dummy trim
110E	5 x 21 x ½	Entrance handle dummy trim
120E	5 x 24 x ½	Entrance handle dummy trim
P40	8¼ x 15¾ x 5	Adjustable ball bearing pivots
760S	15 x 19½ x 1¾	Exiter rim exit bolt
7S	20 x 2¾ x 3¼	Overhead door holder, type 2750
7M	20 x 2¾ x 3¼	Overhead door holder, type 700
12E	12 x 12 x ½	Decorative escutcheons
216E	12 x 18 x ½	Decorative escutcheons
34E	5 x 7½ x ½	Knob and rose dummy trim

†SPECIFY NUMBER, DESIGN AND FINISH

Underwriters' Labeled Doors (swing type)

Listed for A, B, C, D and E doors, single or pairs:

Three point locks 4000, 4001 and 4003 — bears Underwriters label.

Two point lock 4002 — bears Underwriters label.

Co-ordinating device 4369 for pairs of doors.

Uniloc locksets, ¾" and ⅝" throw — letter E stamped on chassis indicates approval (brass, bronze and stainless steel metals only). — Max. door size 3′ 8″ x 7′ 2″ for class A door approval.

Stilemaker cylindrical locks — letter A stamped on lock front indicates approval.

H10 Hospital Push-Pull.

Ten Strike lock series 1000 and A2000 with ⅝" or ¾" throw bolts except dead locks without latch bolt and locks having the hold-back feature — letter B stamped on lock front of 1000 series and letter C stamped on lock front of A2000 series indicates approval.

Exit Bolt mortise locks U9458, U9458½, U9459, U9459½ — letter C stamped on lock front indicates approval.

"Exiter" Exit Bolt Mortise Locks A2658, A2658½, A2659, A2659½, A3658, A3658½, A3659, A3659½. letter C stamped on lock front indicates approval.

A3000 series Master Ring Cylinder mortise locks — letter K stamped on lock front indicates approval (except functions 3007 thru 3007¾).

400 series door closer, non hold-open, mortise or surface, sizes 2, 3, 4, 5 and 6.

400MHF, 400SHF series door closer, hold-open with fusible link, mortise or surface, sizes 3, 4, 5 and 6.

500 series door closer, non hold-open, mortise or surface, sizes 1, 2, 3 and 4.

500 series door closer, hold-open (both elbow type and 180° jamb type parallel arm) with fusible link, sizes 2, 3 and 4.

600 series door closer — non hold-open.

59 series door closer, surface type, non hold-open, sizes B, C, D, E and F.

59 series door closer, surface type, hold-open with fusible link, sizes C, D, E and F.

C, D, E and F surface door closers, non hold-open.

Lectro-Mag Door Holder — bears Underwriters label.

Hinges BB81¼, 4½" x 4½" or over for doors specified with bronze hinges. Such doors must be equipped with a steel or iron stud and socket — one for each hinge.

Extension flush bolts 199, 298, 298½ and 0298 (bronze metal only) — AHC-ML stamped on bolt indicates approval.

Listed as Fire Exit Hardware

Exiter Mortise series (less dogging device and latch hold-back) — bears Underwriters label.

Listed in Underwriters Accident Equipment List — Panic Hardware:

Fire exit bolt series 465 — letter M on case indicates approval.

Concealed exit bolt series 60 — letter P on case indicates approval.

EXITER fire exit bolt series, rim, mortise and vertical rod — marked WL.

For specific requirements of hardware for any job condition, it is necessary to check with local authorities for proper type of material to be used and to refer to the latest issue of "List of Inspected Fire Protection Equipment and Materials" of the Underwriters Laboratories, Inc.

Russwin Comparatives to Federal Specifications

Hardware, Builders' Locks and Door Trim
FF-H-106a, Nov. 23, 1948; Amendment No. 1, Dec. 10, 1952

RUSSWIN®

Gov. Type	Russwin Number
3AA	0375
3AA-7	0375 BK Berkeley
3AA-8	0375 BK Haddam
3AA-10	0375 BK Woburn
3A	0375¾
3A-7	0375¾ BK Berkeley
3A-8	0375¾ BK Haddam
3A-10	0375¾ BK Woburn
3B*	229*
3B-7	229 BK Berkeley
3B-8	229 BK Haddam
3B-10	229 BK Woburn
3B-5S*	229 BKCS Haddam*
3D (184)*	039*
3D-7	039 BK Berkeley
3D-8	039 BK Haddam
3D-10	039 BK Woburn
3D-5S*	039 BKCS Haddam*
6B	G2310
6B-35	G2310 x 2062 x 3112 x 925 Bristol
6B-38	G2310 x 2061 x 3112 x 925 Haddam
6BR	G2910
6BR-35	G2910 x 2062 x 3112 x 925 Bristol
6BR-38	G2910 x 2061 x 3112 x 925 Haddam
8A	F1247
8A-31	F1247 x 2062 x 3112 x 066 x c. col. D
8A-32	F1247 x 2061 x 3112 x 066½ x c. col. A or B
8AR	F1277
8AR-31	F1277 x 2062 x 3112 x 066 x c. col. D
8AR-32	F1277 x 2061 x 3112 x 066½ x c. col. A or B
85A*	1048*
85A-1	1048 BK Modera
85A-2	1048 BK Lenox x 2 esc. 3901
85A-3	1048 B3K Bristol x c. col.D
85A-4	1048 BKC Berkeley x 2 esc. 3901
85A-5	1048 BKC Haddam
85A-5S*	1048 BKCS Haddam*
85B*	1024*
85B-1	1024 BK Modera
85B-2	1024 BK Lenox x 2 esc. 3901
85B-3	1024 B3K Bristol x c. col.D
85B-4	1024 BKC Berkeley x 2 esc. 3901
85B-5	1024 BKC Haddam
85B-5S*	1024 BKCS Haddam*
85C*	1024½*
85C-1	1024½ BK Modera
85C-2	1024½ BK Lenox x 2 esc. 3901
85C-3	1024½ B3K Bristol x c. col. D
85C-4	1024½ BKC Berkeley x 2 esc. 3901
85C-5	1024½ BKC Haddam
85C-5S*	1024½ BKCS Haddam*
85D	1038
85D-1	1038 BK Modera
85D-2	1038 BK Lenox x 2 esc. 3901
85D-3	1038 B3K Bristol x c. col. D
85D-4	1038 BKC Berkeley x 2 esc. 3901
85D-5	1038 BKC Haddam
85D-5S	1038 BKCS Haddam
85DW	1036
85DW-1	1036 BK Modera
85DW-2	1036 BK Lenox x 2 esc. 3901
85DW-3	1036 B3K Bristol x c. col. D
85DW-4	1036 BKC Berkeley x 2 esc. 3901
85DW-5	1036 BKC Haddam
85DW-5S	1036 BKCS Haddam
85E	1056
85E-1	1056 BK Modera
85E-2	1056 BK Lenox x 2 esc. 3901
85E-3	1056 B3K Bristol x c. col. D
85E-4	1056 BKC Berkeley x 2 esc. 3901
85E-5	1056 BKC Haddam
85E-5S	1056 BKCS Haddam
85EW*	1059*
85EW-1	1059 BK Modera
85EW-2	1059 BK Lenox x 2 esc. 3901
85EW-3	1059 B3K Bristol x c. col. D
85EW-4	1059 BKC Berkeley x 2 esc. 3901
85EW-5	1059 BKC Haddam
85EW-5S	1059 BKCS Haddam*
86A*	A2048*
86A-1	A2048 BK Modera
86A-2	A2048 BK Lenox
86A-3	A2048 B3K Bristol x rose 3952¼ x c. col. D
86A-4	A2048 BKC Berkeley x 2 esc. 3901
86A-5	A2048 BKC Haddam
86A-3S*	A2048 B3KS Bristol*
86B*	A2024*
86B-1	A2024 BK Modera
86B-2	A2024 BK Lenox
86B-3	A2024 B3K Bristol x rose 3952¼ x c. col. D
86B-4	A2024 BKC Berkeley x 2 esc. 3901
86B-5	A2024 BKC Haddam
86B-3S*	A2024 B3KS Bristol*
86BR	RA2024
86BR-1	RA2024 BK Modera
86BR-2	RA2024 BK Lenox
86BR-3	RA2024 B3K Bristol x rose 3952¼ x c. col. D
86BR-4	RA2024 BKC Berkeley x 2 esc. 3901
86BR-5	RA2024 BKC Haddam
86C*	A2024½*
86C-1	A2024½ BK Modera
86C-2	A2024½ BK Lenox
86C-3	A2024½ B3K Bristol x rose 3952¼ x c. col. D
86C-4	A2024½ BKC Berkeley x 2 esc. 3901
86C-5	A2024½ BKC Haddam
86C-3S*	A2024½ B3KS Bristol*
86CR	RA2024½
86CR-1	RA2024½ BK Modera
86CR-2	RA2024½ BK Lenox
86CR-3	RA2024½ B3K Bristol x rose 3952¼ x c. col. D
86CR-4	RA2024½ BKC Berkeley x 2 esc. 3901
86CR-5	RA2024½ BKC Haddam
86D	A2038
86D-1	A2038 BK Modera
86D-2	A2038 BK Lenox
86D-3	A2038 B3K Bristol x rose 3952¼ x c. col. D
86D-4	A2038 BKC Berkeley x 2 esc. 3901
86D-5	A2038 BKC Haddam
86DW	A2036
86DW-1	A2036 BK Modera
86DW-2	A2036 BK Lenox
86DW-3	A2036 B3K Bristol x rose 3952¼ x c. col. D
86DW-4	A2036 BKC Berkeley x 2 esc. 3901
86DW-5	A2036 BKC Haddam
86E	A2056
86E-1	A2056 BK Modera
86E-2	A2056 BK Lenox
86E-3	A2056 B3K Bristol x rose 3952¼ x c. col. D
86E-4	A2056 BKC Berkeley x 2 esc. 3901
86E-5	A2056 BKC Haddam
86EW*	A2059*
86EW-1	A2059 BK Modera
86EW-2	A2059 BK Lenox
86EW-3	A2059 B3K Bristol x rose 3952¼ x c. col. D
86EW-4	A2059 BKC Berkeley x 2 esc. 3901
86EW-5	A2059 BKC Haddam
86EW-3S*	A2059 B3KS Bristol*

Where split hubs are used specify "outside knob pinned to spindle".

*Approved by Veterans Administration — samples on file.

RUSSWIN

Federal Specifications

Gov. Type	Russwin Number
86G	A2058½
86G-1	A2058½ BK Modera
86G-2	A2058½ BK Lenox
86G-3	A2058½ B3K Bristol x rose 3952¼ x c. col. D
86G-4	A2058½ BKC Berkeley x 2 esc. 3901
86G-5	A2058½ BKC Haddam
86H	A2033HM
86H-1	A2033 HM BK Modera
86H-2	A2033HM BK Lenox
86H-3	A2033HM B3K Bristol x rose 3952¼ x c. col. D
86H-4	A2033HM BKC Berkeley x 2 esc. 3901
86H-5	A2033HM BKC Haddam
86J	A2058⅝
86J-1	A2058⅝ BK Modera
86J-2	A2058⅝ BK Lenox
86J-3	A2058⅝ B3K Bristol x rose 3952¼ x c. col. D
86J-4	A2058⅝ BKC Berkeley x 2 esc. 3901
86J-5	A2058⅝ BKC Haddam
86L*	A2039*
86L-1	A2039 BK Modera
86L-2	A2039 BK Lenox
86L-3	A2039 B3K Bristol x rose 3952¼ x c. col. D
86L-4	A2039 BKC Berkeley x 2 esc. 3901
86L-5	A2039 BKC Haddam
86L-3S*	A2039 B3KS Bristol*
86M*	A2040*
86M-1	A2040 BK Modera
86M-2	A2040 BK Lenox
86M-3	A2040 B3K Bristol x rose 3952¼ x c. col. D
86M-4	A2040 BKC Berkeley x 2 esc. 3901
86M-5	A2040 BKC Haddam
86M-3S*	A2040 B3KS Bristol*
86N*	A2025*
86N-1	A2025 BK Modera
86N-2	A2025 BK Lenox
86N-3	A2025 B3K Bristol x rose 3952¼ x c. col. D
86N-4	A2025 BKC Berkeley x 2 esc. 3901
86N-5	A2025 BKC Haddam
86N-3S*	A2025 B3KS Bristol*
86P*	2007*
86S*	2007¼*
86T*	2007½*
87N*	A23025*
87N-1	A23025 BK Modera
87N-2	A23025 BK Lenox
87N-3	A23025 B3K Bristol x rose 3952¼ x c. col. D
87N-4	A23025 BKC Berkeley x 2 esc. 3901
87N-5	A23025 BKC Haddam
87N-3S*	A23025 B3KS Bristol*
90B-1	2125 Modera
90B-2	2125 Lenox
90C-1	2125½ Modera
90C-2	2125½ Lenox
90E-1	2157 Modera
90E-2	2157 Lenox
90EW-1	2157 Modera x n.s.i.f. x o.s.k. rigid
90EW-2	2157 Lenox x n.s.i.f. x o.s.k. rigid
90G-1	2159½ Modera
90G-2	2159½ Lenox
90J-1	2159 Modera
90J-2	2159 Lenox
90L-1	2134 Modera
90L-2	2134 Lenox
90M-1	2135 Modera
90M-2	2135 Lenox
90N-1	2145 Modera
90N-2	2145 Lenox
98E-1	2186 Modera
98E-2	2186 Lenox
98G-1	2187½ Modera
98G-2	2187½ Lenox
98N-1	2185 Modera
98N-2	2185 Lenox
121A	1013 or 11213
121A-19	10013 or 13013 Lenox
121A-20	10013 or 13013 Exbrook
122A	A2013
122A-19	A20013 Lenox
122A-20	A20013 Exbrook
123A	A2098½
123A-24	A20098½ Lenox
123A-25	A20098½ Exbrook
123A-26	A204298½ Berkeley
123A-27	A204298½ Hull
123B	2952½
123B-24	A20098½ Lenox x lock 2952½
123B-25	A20098½ Exbrook x lock 2952½
123B-26	A204298½ Berkeley x lock 2952½
123B-27	A204298½ Hull x lock 2952½
160A-4*	3340 Beacon*
160B-4*	3346 Beacon*
160D-4*	3352 Beacon*
160E-4*	3335 Beacon*
160L-4*	3320 Beacon*
160M-4*	3328 Beacon*
160N-4*	3310 Beacon*
160NX-4*	3314 Beacon*
160P-4*	3322 Beacon*
160Q-4*	3326 Beacon*
160R-4*	3340⅝ Beacon*
161A-2*	440 Bristol*
161B-2*	446 Bristol*
161C-2*	446½ Bristol*
161D-2*	452 Bristol*
161E-2*	435 Bristol*
161F-2*	450½ Bristol*
161G-2*	448½ Bristol*
161H-2*	433EM Bristol*
161L-2*	420 Bristol*
161M-2*	428 Bristol*
161N-2*	410 Bristol*
161NX-2*	414 Bristol*
161P-2*	422 Bristol*
161Q-2*	426 Bristol*
161R-2*	440⅝ Bristol*
161S-2*	456½ Bristol*
161T-2*	453 Bristol*
161U-2*	456 Bristol*
161W-2*	452½ Bristol*
161A-4*	440 Haddam*
161B-4*	446 Haddam*
161C-4*	446½ Haddam*
161D-4*	452 Haddam*
161E-4*	435 Haddam*
161F-4*	450½ Haddam*
161G-4*	448½ Haddam*
161H-4*	433EM Haddam*
161L-4*	420 Haddam*
161M-4*	428 Haddam*
161N-4*	410 Haddam*
161NX-4*	414 Haddam*
161P-4*	422 Haddam*
161Q-4*	426 Haddam*
161R-4*	440⅝ Haddam*
161S-4*	456½ Haddam*
161T-4*	453 Haddam*
161U-4*	456 Haddam*
161W-4*	452½ Haddam*
183	1454 x TP 066½ x spec. to suit
184	039
185	025
190K*	AF 01203 x 066*
190L*	AF 01203¼ x 066*
190M*	AF 01203½*
191	01203¾ x 066
192*	0756*
192A	0756 x 2 esc. 927 Lenox
192B	0756 x 2 esc. S3942
192C	0756 x 1 esc. S3942
194*	1299*
196	1282
198	13850½
198A	13850
200	Knob 2952¼ x R 3952½ Bristol

Where split hubs are used specify "outside knob pinned to spindle".

*Approved by Veterans Administration — samples on file.

Russwin Comparatives to Federal Specifications, Cont'd

Hardware, Builders' Locks and Door Trim
FF-H-106a, Nov. 23, 1948; Amendment No. 1, Dec. 10, 1952

Gov. Type	Russwin Number
200S x 335*	Knobs 3952¼ x R 3952¼ Bristol*
200M	Knobs 2952¼ Modera
200MS	Knobs 3952¼ Modera
201 x 335*	Knob 2852¼ x R 3952¼ Bristol*
201S x 335*	Knob 3852¼ x R 3952¼ Bristol*
202 x 336*	Knob 2752¼ x 902 Haddam*
204	Knob 2852 Woburn x rose 902
212*	T7059*
223	Lever 2062 x rose 3112
310*	3902½ Lenox*
310M	3901 Modera
315	3901 Berkeley
319	935 Berkeley
325*	D*
326*	A or B*
335*	3952 Bristol*
336*	902 Haddam*
355*	66*
355T	066
356*	66½*
356T*	066½*
360*	S3942*
415	412 Berkeley
415M	410 Hull
420	420 Lenox
421	420 Exbrook
436*	474½*
436A*	474*
450*	626 Lenox*
450M	626 Modera
451*	1025*
455*	1026*
457*	6127*
457A*	6127 (aluminum)*
458	480
458A*	479*
459*	491*
460*	616 Lenox*
460M	616 Modera
465*	1016 — 15 x 3½*
465R	1016 — 15 x 3½
0728*	0728*
810*	465¼*
810H*	465*
810K*	467*
811*	0564*
820*	59A*
820H*	NT56*
820K*	57*
821*	H52
821K*	H58 x BKS Enfield
822*	2/H52*
822A	H52 x 56 N.O.T.
822H*	H52 x NT56*
822K*	H52 x 57*
822N*	H52 x H58 BKS Enfield*
836*	4369*

Shelf and Miscellaneous Hardware
FF-H-111a (revised July 8, 1948)

Gov. Type	Russwin Number
1045*	298*
1045R	298½
1048*	W98
1071	3067
1101*	800 etc.*
1101A*	900 etc.*
1138	149
1139*	T115*
1140	T110
1146	036½
1149A*	AR284*
1149B*	AR285*
1154A	AR270
1160*	700A etc.*
1160A	701A etc.
1160D*	703A etc.*
1161*	2750A etc.*
1161A	2750A etc.
1162	501 etc.
F1162	7501 etc.
1164*	600A etc.*
1165*	1650A etc.*
1166*	610A etc.*
1166A	620A etc.
1168*	222 type*
1169*	220 type*
1172*	T139*
1203	T037
1204	T033
1224	14 ga. kick plate
1225	Stainless steel kick plate
1226	Alum. (annodic film) kick plate
1226A	Alum. (bright fin.) kick plate
1262*	15*
1264	27
1265A*	126*
1266*	22*
1320E*	155½*
1320	155
1321	156
1321E*	156½*
1322	T216
F1322	T7216
1323	T201
1325E	349½
1325T*	349¾*
1326	352
1326T*	352¾*
1328*	150*
1328E	150½
1329	153
1329E	153½
1330*	210-210½*
1330A*	209-209½*
1337A	33
1337B	34
1341*	494*
1341A	496

Hinges
FF-H-116c, July 3, 1957

2102*	BB85¼AWS
H2102*	BB88AWS
T2102*	BB85¼*
TH2102*	BB88*
2112*	BB81¼AWS
T2112*	BB81¼
2122*	85¼AWS
T2122*	85¼*
T2132*	BB312¼*
T2142*	BB308¼*
T2156*	BB310¼*
2170*	76AWS
T2170*	76*

*Approved by Veterans Administration — samples on file.

Door Closers
FF-H-121C, June 18, 1964

Gov. Type	Russwin Number	Gov. Type	Russwin Number	Gov. Type	Russwin Number
3001-II*	59B x KV*	**3009-III H***	59C-1 x KV*	**3230-I (Mod.)***	500S-1*, 500S-2*, 600-1*, 600-2*
3001-III*	59C x KV*	**3009-III F***	59C-F2 x KV*		
3001-IV*	59D x KV*	**3009-III P***	P259C x KV*	**3230-II (Mod.)***	500S-3*, 600-2*, 600-3*
3001-V*	59E x KV*				
3001-VI*	59F x KV*	**3010**	8	**3230-III (Mod.)***	500S-4*, 600-3*, 600-4*
3001H-III*	59C-1 x KV*	**3015***	5*		
3001F-III*	59C-F2 x KV*				
3001P-III*	P259C x KV*	**3225-I***	400-3* or 500M-3*	**3230-II HO (Mod.)***	500SH-4*, 600H-2-0*, 600H-3-0*
		3225-II*	400-4*		
3004-II	B or 59B	**3225-III***	400-5*		
3004-III	C or 59C	**3225-III H***	400-5 H*	**3230-II F (Mod.)***	500SHF-4*, 600H-2-F*, 600H-3-F*
3004-IV	D or 59D				
3004-V	E or 59E	**3230-I, Style G***	500M-2-R11*		
		3230-II, Style G*	500M-3-R11*	**3230-II P (Mod.)***	P500S-4*, P600-2*, P600-3*
3009-II*	59B x KV*	**3230-III, Style G***	500M-4-R11*		
3009-III*	59C x KV*				
3009-IV*	59D x KV*	**3230-III H, Style G***	500MH-4-R11*		
3009-V*	59E x KV*	**3230-II F, Style G***	500M-3-R11F*		
3009-VI*	59F x KV*	**3230-III F, Style G***	500M-4-R11F*	**3230-III, Style J**	400-4

*Approved by Veterans Administration — samples on file.



First National Bank in Dallas
Dallas, Texas

INDEX

RUSSWIN

Index of Catalog Sections

Section Number	Title	Pages
1	Extra-heavy Duty UNIT® Locksets	1-8
2	UNILOC* Heavy Duty Locksets	9-24
3	STILEMAKER* Heavy Duty Locksets	25-48
4	The FORUM* Cylindrical Locksets	49-60
5	The EXECUTIVE* Residential Locksets — Auxiliary Roses	61-72
6	Mortise Designs — Accessory Lock Trim	73-104
7	TEN STRIKE* and 3000 SERIES Mortise Locks	105-128
8	Miscellaneous and Auxiliary Locks — Cylinders, Keys, Strikes	129-184
9	Fire Exit Bolts	185-212
10	Door Stops and Holders	213-228
11	Miscellaneous Hardware	229-256
12	400®, 500 and 600 Series Door Closers	257-284
13	Surface Liquid Controlled Door Closers	285-308

*Trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

Alphabetical and Design Index

A

Adams Rite cylinder 173
Adjustable Cylinder Collars 169
Pivot Hinges 232-233
Adjusters, Transom 253
Aero Design, "the Executive" Locksets 65
Aligning Tool, Knob 136
Aloha Design, Auxiliary Rose 71
"Uniloc" Locksets 14
Aluminum Mullion 191
Andre Design, Door Pulls 241, 244
Exit Bolt Trim 198, 199
Push Plates 239
Apex Auxiliary Rose 72
Arm Door Pulls 247
Armor Plates 238
Asylum Door Pulls 248
Hinges 234
Locks 154
Automatic Co-ordinating Device 212
Door Holders 222
Auxiliary Handle 68
Roses 70-72
Springs 104
Avon "Uniloc" Design 17

B

Bar, Push and Pull 249
Sash Lift 254
Beacon Design, "the Executive" Locksets 65
"the Forum" Locksets 53
Bead Screws, Stop 255
Beaulev "Uniloc" Design 15
BeCo Design, "the Forum" Locksets 54
BeRoc Design, "the Forum" Locksets 54
Bevel of Doors ..... V, 134
Berkeley Design, Mortise Locksets 92
Store Door Sets 98
Bit, Boring 47, 59, 69
Blanks, Key 176-179
Bolts, Concealed 250
Cremone 250
Fire Exit 185-212
Flush 251
Mortise 251
Boring Bits 47, 59, 69
Jigs 47, 59, 69
Brewster Entrance Handle Design 96
BriCo Design, Mortise Locksets 95
"Stilemaker" Locksets 31
BriRoc Design, Mortise Locksets 95
"Stilemaker" Locksets 33
Bristol Design, Mortise Locksets 85, 95
"Stilemaker" Locksets 29
BriTem Design, Mortise Locksets 95
"Stilemaker" Locksets 32
Bromley Mortise Design 79
Brunswick Design, Auxiliary Rose 70
Mortise Locksets 85
"Stilemaker" Locksets 30
"the Forum" Locksets 55

C

Cabin Door Hooks 252
Cabinet Locks 155-156
Car Window Locks 254
Carmel "Uniloc" Design 16
Carry Bar and Strike 212
Catches, Friction 255
Screen Door 252
Century Escutcheon 199
Ceramic Knobs 53
Chains, Padlock 155
Circe Mortise Design 80
Citation Mortise Design 82
CitRoc Mortise Design 83
Closers, Door — "59" Series 287-297
"400" Series 260-267
"500" Series 268-279
"600" Series 280-284
Screen 303
Surface 285-308
"Top-Railer" 268-279
Closet Knob Spindles 100-102
Coat and Hat Hooks 252
ComCo "Stilemaker" Design 32
Comet Design, Mortise Locksets 94
"Stilemaker" Locksets 29
Conair Mortise Design 90
Construction Master Key 172
Co-ordinating Device 212
CosCo Design, Mortise Locksets 94
"Stilemaker" Locksets 35
Cosmic Design, Auxiliary Rose 70
Mortise Locksets 94
Special Rose 38, 58
"Stilemaker" Locksets 34
CosMo Mortise Design 89
CosRoc Design, Mortise Locksets 94
"Stilemaker" Locksets 36
Cremone Bolts 250
Cup and Drop Handles 103
Cup Escutcheons for Sliding Doors 102
Cylinder Collar and Indicator 111, 135
Collars 169
Construction 170
Parts 68, 175
Repair Tools 68, 175
Rings 169
Cylinders, Adams Rite type 173
Fire Exit Bolt 200, 208
Key Removable 173
Mortise Locks 171
Rim Locks 171
"Stilemaker" Locksets 45
"the Executive" Locksets 68
"the Forum" Locksets 59
Turn Piece 173
"Uniloc" Locksets 23
"Unit" Locksets 3
Cylindrical Locksets, "Stilemaker" series 25-48
"the Executive" series 61-72
"the Forum" series 49-60

D

Dallion Auxiliary Rose 71
Del Ray "Uniloc" Design 18
Detector, Smoke 223
Display Boards, Sample ..... VI, VII
Door Bevel ..... V, 134
Bolts 250, 251

Door Bumpers..... 227
Closers..... 260-308
Grips..... 247, 248
Hand..... V, 134
Holders..... 216-226
Openers, Electric..... 182
Pulls..... 241-248
Silencers..... 226
Stops..... 224-227
Stops and Holders..... 216-227
Drawer Locks..... 155
Drop Handles..... 103
Handles and Escutcheons..... 102
Duchess Design, "the Forum" Locksets..... 53
Dummy Cylinders..... 171
Dummy Trim, "Stilemaker" Locksets..... 44
"the Executive" Locksets..... 64
"the Forum" Locksets..... 52
"Uniloc" Locksets..... 24
"Unit" Locksets..... 8
Dust Proof Cylinders..... 171

E

Eaton "Uniloc" Design..... 17
Electric Door Holders..... 223
Door Openers..... 182
Enfield Design, Door Pulls..... 241
Exit Bolt Trim..... 206
Mortise Locksets..... 78
Push Plates..... 239, 240
"Unit" Locksets..... 4
Entrance Handle Sets..... 96-98
Era Design, Mortise Locksets..... 94
"Stilemaker" Locksets..... 30
"Uniloc" Locksets..... 13
"Unit" Locksets..... 5
Escutcheons, Cup and Drop..... 103
Design, Cast..... 78-81
Design, Wrought..... 90-92
Sliding Door..... 102
Exbrook Design, Entrance Handle..... 98
Exit Bolt Trim..... 205, 206
"the Executive" Locksets..... 61-72
Exit Bolts, Fire..... 185-212
"Exiter" series Exit Bolts..... 187-201
Extension Bolts..... 251
Units..... 44, 60

F

Falmouth Entrance Handle Design..... 96
Faneuil Auxiliary Handle..... 68
Fantasy Auxiliary Rose..... 72
Fast Pin Hinges..... 234, 238
Fasteners, Sash..... 254
Finishes..... III
Fire Exit Bolts..... 185-212
"500" Door Closers..... 268-279
Flanders Mortise Design..... 79
FlaCo Design, Mortise Locksets..... 94
"Stilemaker" Locksets..... 31
Flare Design, Mortise Locksets..... 94
"Stilemaker" Locksets..... 29
Flexible Head Cylinders..... 172
Flush Bolts..... 251
Cup Escutcheons..... 102
Cup and Drop Handles..... 103
"the Forum" Locksets..... 49-60
"400" Door Closers..... 260-267
French Springs..... 137
Friction Catches..... 255
Futura "Uniloc" Design..... 16

G

Grips, Door..... 247, 248
Gun Springs..... 137

H

HadCo Design, Mortise Locksets..... 95
"Stilemaker" Locksets..... 35
Haddam Design, Mortise Locksets..... 92, 95
"Stilemaker" Locksets..... 34
HadMo Mortise Design..... 89
HadRoc Design, Mortise Locksets..... 95
"Stilemaker" Locksets..... 36
HadTem Design, Mortise Locksets..... 95
"Stilemaker" Locksets..... 37
Hale Mortise Design..... 91
Hand of Doors, Door Closers..... 288, 289
Mortise Locks..... V, 134
Handles, Auxiliary..... 68
Cup and Drop..... 103
Entrance..... 96-98
Lever..... 14, 15, 82, 83, 100
Hangers, Pole..... 255
Hinges, Adjustable Pivot..... 232-233
Asylum..... 234
Fast Pin..... 234, 238
Loose Pin..... 235, 237
Holders, Door..... 216-226
Knob Spindle..... 104
Transom..... 253
Hooks, Cabin Door..... 252
Coat and Hat..... 252
Pull Down..... 255
Hospital Door, Closers..... 295
Latches..... 150-151
Pulls..... 247
Hull Store Door Set..... 98

I

Indicators, Occupancy..... 111, 135
Inter-keying Locks, Bit Key..... 179
Installation Kits..... 69
Tools..... 23, 47, 59, 69

J

Jet Design, Mortise Locksets..... 94
"Stilemaker" Locksets..... 31
Jigs, Boring..... 47, 59, 69
Mounting..... 23

K

Kent Entrance Handle Design..... 97
Key Blanks..... 176-179
Plates..... 99
Key Removable Cylinder..... 173
Keying Information..... 168-170
Kits..... 46, 59, 68, 168
Keys..... 176-179
Kick Plates..... 238
Kits, Installation..... 69
Keying..... 46, 59, 68, 168
Modernization..... 60, 67

Knob Aligning Tool..... 136
Screws..... 104
Spindle Holders..... 104
Spindles..... 100-102
Symbols..... 75
Wrench..... 47
Knobs, Ceramic..... 53
Design (see under Design Name)
Mounting..... 75
Turn..... 99
Wood..... 19, 37, 53
Koa Design, "Stilemaker" Locksets..... 37
"Uniloc" Locksets..... 19

L

"Lectro-Mag" Door Holder..... 223
Lee Auxiliary Rose..... 70
Lenox Design, Door Pulls..... 241
Entrance Handles..... 98
Exit Bolt Trim..... 210
Key Plates..... 99
Mortise Locksets..... 78
Push Plates..... 239
"Unit" Locksets..... 4
Lever, Fire Exit Bolts..... 188, 192, 194, 204
Handles..... 14, 15, 82, 83, 100
Lifts, Bar Sash..... 254
Locks, Asylum..... 154
Cupboard..... 155
Distinctive Rim..... 158-160
Drawer..... 155
Fire Exit Bolt..... 201-209
Mortise..... 105-167
Padlocks..... 155
Rim..... 157-160
Sliding Door..... 143, 154
"Stilemaker" series..... 25-48
"the Executive" series..... 61-72
"the Forum" series..... 49-60
Three Point..... 162-164
Two Point..... 165
"Uniloc" series..... 9-24
"Unit" series..... 1-8
Utility..... 156
Loose Pin Hinges..... 235-237

M

Manor Mortise Design..... 80
Master Key Bit Key Locks..... 179
Construction..... 172
Systems..... 169
Master Keys..... 176-179
Master Ring Cylinder Construction..... 170
Medford Mortise Design..... 86
Miscellaneous Hardware..... 229-256
MoCo Design, Mortise Locksets..... 95
"Stilemaker" Locksets..... 32
Modera Design, Door Pulls..... 241, 242, 244
Entrance Handles..... 96
Exit Bolt Trim..... 198, 210
Mortise Locksets..... 81
Push Plates..... 239
Special Rose..... 38
"Uniloc" Locksets..... 13
"Unit" Locksets..... 4
Moderalev "Uniloc" Design..... 14
Modernization Kits..... 60, 67
Mono Design, Auxiliary Rose..... 70
Mortise Locksets..... 95
"Stilemaker" Locksets..... 30
"Uniloc" Locksets..... 15
Mortise Door Bolts..... 251
Fire Exit Bolts..... 192, 193, 206, 207
Locks and Latches..... 105-167
MoTem Design, Mortise Locksets..... 95
"Stilemaker" Locksets..... 33
Mounting Jig for "Uniloc"..... 23
Mounts, Sample..... VI, VII
Mullion, Fire Exit Bolt..... 190-191
Mystic "Uniloc" Design..... 18

N

Night Latches..... 157

O

Oglethorpe Mortise Design..... 87
Openers, Electric Door..... 182
OrTem Design, "the Forum" Locksets..... 53
OsCo Design, "the Forum" Locksets..... 55
OsRoc Design, "the Forum" Locksets..... 54
Osmos Design, "the Executive" Locksets..... 65
"the Forum" Locksets..... 53
Overhead Door Holders..... 216-221

P

Padlocks..... 155
Peacock Auxiliary Rose..... 72
Pivots..... 232-233
Plates, Armor..... 238
Key..... 99
Kick..... 238
Push..... 239, 240
Stretcher..... 238
Pliers..... 46
Pole Hangers..... 255
Poles, Sash..... 255
Princess Design, "the Forum" Locksets..... 53
Prisma Auxiliary Rose..... 71
Pull Down Hook..... 255
Pulls, Bar..... 249
Door..... 242-248
Hospital Arm..... 247
Push Bars..... 249
Plates..... 239-240

R

Re-inforcing Tube..... 211
Unit..... 47
Richmond Mortise Design..... 93
Rim Fire Exit Bolts..... 188, 189, 204
Locks..... 157-160
Night Latches..... 157
Rings, Cylinder..... 169
Drop Handle..... 102-103
Rockford Design, Door Pulls..... 242
Exit Bolt Trim..... 198, 210
Mortise Lockset..... 90
Push Plates..... 240
Special Roses..... 38, 58
Rome Door Pull..... 245
Ronde Design, Door Pulls..... 244
Exit Bolt Trim..... 199
Mortise Locksets..... 84

Roses, Auxiliary 70-72
Design (see under Design Name)
Rosewood Design, "Stilemaker" Locksets 37
"the Forum" Locksets 53
"Uniloc" Locksets 19
Royale Mortise Design 82
Royalev "Uniloc" Design 15
RoyRoc Mortise Design 83

S

Sample Mounts ..... VI, VII
Sash Fasteners 254
Lifts 254
Lock 254
Poles 255
Pull Down Hook 255
Pull Sockets 255
Saw, "Uniloc" Mounting 23
Screen Door Catch 252
Closers 303
Screws, Knob 104
Stop Bead 255
Signal Sash Fastener 254
"600" Door Closers 280-284
Shutter, Cylinder Dust-Proof 171
Silencers, Door 226
Sliding Door Escutcheons 102
Locks 143, 154
Smoke Detector 223
Sockets, Sash Pull 255
Sound-Deadening Door Locks 166-167
Spear Entrance Handle Design 96
Sphere Design, "the Forum" Locksets 55
Spindle Holders, Knob 104
Spindles 100-102
Springs, Auxiliary Knob 104
French 137
Gun 137
Lock 137
Steel Mullion 190
"Stilemaker" Locksets 25-48
Stop Bead Screws 255
Stops, Door 224-227
Store Door Sets 96-98
Stowe "Uniloc" Design 17
Stretcher Plates 238
Strike Locator 69
Strikes, A.S.A. Standardized 180
Electric 182
Fire Exit Bolt 200, 201, 205, 208
Flush Bolt 251
Mortise Lock 180, 181
"Stilemaker" 28
"the Executive" 67
"the Forum" 60
"Uniloc" 23
"Unit" 8
Surry "Uniloc" Design 18
Symbols, Finish III
Hardware IV
Knob 75

T

TeCo Design, Mortise Locksets 94
"Stilemaker" Locksets 35
TeMo Mortise Design 88
Tempo Design, Mortise Locksets 94
"Stilemaker" Locksets 34
"Ten Strike" Mortise Locks 110-125
TeRoc Design, Mortise Locksets 94
"Stilemaker" Locksets 36
"the Executive" series Locksets 61-72
"the Forum" series Locksets 49-60
Thimble Wrench 47
"3000" series Master Ring Cylinder Locks 126-128
Three Point Locks 162-164
Thresholds 211
Tips, Rubber for Stops 224, 225
"Top-Railer" Door Closer 268-279
Tornay Mortise Design 82
TorRoc Mortise Design 83
Tower Design, Door Pulls 242, 244, 247
Entrance Handle 96
Exit Bolt Trim 210
Triplelox 161
Transom Adjusters 253
Turbo Design, "Uniloc" Locksets 13
"Unit Locksets 5
Turn Pieces 99
Tuscon Mortise Design 91
Two Point Locks 165

U

Underwriters Hardware VIII
Unilev "Uniloc" Design 14
"Uniloc" Locksets 9-24
"Unit" Locksets 1-8
Units, Extension 44, 60
Unity "Uniloc" Design 16
Utility Locks 156

V

Visual Key Control 172, 178

W

Warden Entrance Handle Design 97
Mortise Design 97
Warwick Entrance Handle Design 98
Mortise Design 81
Williamsburg Mortise Design 86
Window Locks 254
Poles 255
Stop Screws 255
Woburn Mortise Design 93
Wood Knobs 19, 37, 53
Wrench, Thimble 47

RUSSWIN®

Number	Description	Page
3⁴⁄₁₆	Bit	47
A	Cyl. Collar	169
A	Key Kit	46, 168
B	Closer	300
B	Cyl. Collar	85, 92, 93, 169
B	Indicator	111, 135
B	Key Kit	59, 168
BKS Enfield	Trim	206
BKS Lenox	Trim	210
B-1	Closer	300
C	Closer	300
C-1	Closer	300
D	Closer	300
D	Cyl. Collar	169
D	Keyway	176
D-1	Closer	300
E	Closer	300
E-1	Closer	300
F	Closer	300
F	Cyl. Ring	169
F-1	Closer	300
G	Cyl. Collar	169
H	Cyl. Collar	169
H	Keyway	176
J	Cyl. Ring	169
K	Cyl. Ring	169
L	Cyl. Collar	169
M	Cyl. Collar	169
M	Key Bow	176, 177
P	Cyl. Collar	169
P	Key Bow	176, 177
R	Key Bow	176, 177
S	Cyl. Collar	169
S	Key Bow	176, 177
T	Cyl. Collar	169
0	Cylinder	171
0	Hook	252
0EM	Cylinder	173
0-L	Cylinder	173
0-T	Cylinder	171
0½	Cylinder	171
0½EM	Cylinder	173
0½FE	Cylinder	200
0½-L	Cylinder	173
0½-T	Cylinder	171
AR1	Door Stop	226
1	Cam	171, 175
1	Cylinder	171, 208
1	Pusher	182
1EM	Cylinder	173
1-L	Cylinder	173
1-T	Cylinder	171
RO1 x 11	Arm	271
AR1½	Door Stop	226
1½	Cylinder	171
1½-L	Cylinder	173
1½-T	Cylinder	171
CT-2	Tool	175
2	Cylinder	171
2B	Stop	208
2EM	Cylinder	173
2-L	Cylinder	173
2-T	Cylinder	171
RO2 x 11	Arm	271
3	Cylinder	171
3	Tip	224
3	Strike	181
3-L	Cylinder	173
3-T	Cylinder	171
RO3 x 11	Arm	271
CT-4	Tool	175
RU4	Reinf. Unit	47
4	Cylinder	171
4	Tip	224
4	Strike	181
4B	Strike	181
4D	Strike	181
4E	Strike	111
4-L	Cylinder	173
4-T	Cylinder	171
RO4 x 11	Arm	271
BL-5	Ext. Unit	44
CT-5	Tool	175
5	Closer	303
5	Cylinder	171
5	Tip	224
5	Spindle	100
5	Spring	183
5	Strike	181
RO5 x 11	Arm	271
5A	Strike	181
5-L	Cylinder	173
5-T	Cylinder	171
CT-6	Tool	175
6	Cylinder	171
6	Tip	225
6	Spring	183
6	Strike	181
6A	Strike	181
6-L	Cylinder	173
6-T	Cylinder	171
RO6 x 11	Arm	271
BL-7	Ext. Unit	44
CT-7	Tool	175
7	Spring	183
RO7	Arm	271
CT-8	Tool	175
8	Closer	303
8B	Strike	111
8D	Strike	111
RO8	Arm	271
AC9	Bolt	250
9A	Strike	111, 180
9B	Strike	111, 180
9C	Strike	111, 180
9E	Strike	180
9F	Strike	180
9FE	Strike	180, 208
9G	Strike	180
9H	Strike	180
9J	Strike	126, 180
9L	Strike	180
9M	Strike	126, 180
9N	Strike	140, 208
9P	Strike	126, 180
9-T	Cylinder	171
RO9	Arm	271
AC9½	Bolt	250
BL-10	Ext. Unit	44
H10	Latch	151
10	Spindle	100
R10 x 11	Arm	273
10B	Strike	181
11	Cam	171, 175
11	Spindle	100
C12	Arm	275
CH12	Arm	275
12	Spindle	100
13	Cylinder	171, 200
13	Spindle	100
A13F	Arm	274
R13	Arm	274
14	Cylinder	171
R14 x 11	Arm	273
R15	Arm	274
15	Hanger	255
15	Spindle	100
15	Strike	180, 208
16W	Box	60, 111, 181
BL-18	Ext. Unit	44
18	Strike	180, 208
R19	Arm	274
19	Cylinder	173
19	Strike	8
20	Cylinder	171
20	Holder	104
20	Spindle	101
20	Strike	8
20½	Cylinder	171
20½	Spindle	101
21	Cylinder	171
21	Spindle	101
21½	Cylinder	171
21½	Spindle	101
22	Cylinder	171
22	Plier	46
22	Socket	255
22	Spindle	101
R22 x 11	Arm	273
23	Cylinder	171
R23 x 11	Arm	273
023	Latch	152
BL-24	Ext. Unit	44
24	Cylinder	171
CT-24	Tool	175
G024	Latch	153
R24 x 11	Arm	273
G024½	Latch	153
25	Cylinder	171
R25 x 11	Arm	273
025	Latch	152
26	Cylinder	171
27	Hook	255
028	Align. Tool	136
29	Cylinder	171
30	Spindle	101
30	Spring	104
030	Key Plate	99
31	Cylinder	171
31	Spindle	101
031	Key Plate	99
031¼	Key Plate	99
31½	Cylinder	171
32	Cylinder	171
32	Spindle	101
33	Cylinder	171
33	Silencer	226
33T	Tool	226
T033	Lift	254
34	Cylinder	171
34	Silencer	226
036½	Lock	254
T037	Lift	254
039	Latch	152
G40	Spindle	101
M40	Spindle	101
A40 x 11	Arm	272
41	Cylinder	171
42	Cylinder	171
A42 x 11	Arm	272
43	Cylinder	171
44	Cylinder	171
A44	Arm	272
45	Spindle	101
A46	Arm	272
A47	Arm	274
A48 x 11	Arm	272, 274
A49 x 11	Arm	272, 274
50B	Strike	208
A50F x 11	Arm	274
A51F x 11	Arm	274
CT-52	Tool	175
A52F x 11	Arm	274
052	Handle	103
53	Strike	208
053	Handle	103
053¾	Handle	103

Number	Description	Page
54¼	Key	179
54¼B	Key Blank	179
054	Hook	252
056	Handle	103
A57 x 11	Arm	273
A58 x 11	Arm	273
C58	Arm	275
CH58	Arm	275
59B	Closer	292
M59B	Closer	292
59B-1	Closer	293
M59B-1	Closer	293
59C	Closer	292
M59C	Closer	292
59C-1	Closer	293
M59C-1	Closer	293
59C-F2	Closer	295
M59C-F2	Closer	295
59D	Closer	292
M59D	Closer	292
59D-1	Closer	293
M59D-1	Closer	293
59D-F2	Closer	295
M59D-F2	Closer	295
59E	Closer	292
M59E	Closer	292
59E-1	Closer	293
M59E-1	Closer	293
59E-F2	Closer	295
M59E-F2	Closer	295
59F	Closer	292
M59F	Closer	292
59F-1	Closer	293
M59F-1	Closer	293
59F-F2	Closer	295
M59F-F2	Closer	295
59HC	Closer	295
M59HC	Closer	295
59HD	Closer	295
M59HD	Closer	295
A60	Arm	282
CH61	Exit Bolt	202, 203
A61	Arm	282
CH62	Exit Bolt	202, 203
A62	Arm	282
CH63	Exit Bolt	202, 203
A63	Arm	282
A66	Arm	282
66	Key Plate	85, 99
066	Turn Piece	85
66½	Key Plate	92, 93, 99
066½	Turn Piece	92, 93, 96-99
CH68	Exit Bolt	202, 203
A68	Arm	282
68	Key Plate	99
A69	Arm	282
69	Key Plate	93, 99
069	Turn Piece	93, 99
070	Turn Piece	99
071	Turn Piece	99
074	Turn Piece	84, 99
075⅜	Grip	198, 199
76	Hinge	238
076¼	Grip	248
076¾	Grip	248
078	Grip	248
80	Knob Screw	104
81	Knob Screw	104
BB81¼	Hinge	235
83	Knob Screw	104
84	Knob Screw	104
85¼	Hinge	237
BB85¼	Hinge	235
86¼	Hinge	237
BB88	Hinge	234
BB89	Hinge	234
95	Knob Screw	104
95¼	Hinge	237
BB95¼	Hinge	235
C98	Strike	251
T98	Strike	251
W98	Strike	251
100	Cylinder	171
100	Smoke Detector	223
100½	Cylinder	171
101	Cylinder	171
102	Cylinder	171
1-107	Jig	69
T110	Fastener	254
110	Cylinder	171
110½	Cylinder	171
111	Cylinder	171
111½	Cylinder	171
111½HM	Cylinder	173
112	Cylinder	171
113	Cylinder	171
114	Cylinder	171
114	Kick Plate	238
T115	Fastener	254
115	Cylinder	171
115	Latch	151
116	Cylinder	171
116	Kick Plate	238
118	Kick Plate	238
119	Cylinder	173
121	Latch	153
121F01	Cam	172
1-122	Bit	69
123	Handle	103
124	Handle	103
125	Handle	103
127B to F	Brackets	302
128B to F	Brackets	302
129	Pole	255
1-131	Bit	69
1-137	Kit	69
T139	Hook	252
1-141	Mortiser	59, 69
1-143	Mortiser	69
144F15	Cylinder	23
144F16	Cylinder	23
144F17	Cylinder	23
146F51	Cylinder	23
146F52	Cylinder	23
146F53	Cylinder	23
149	Fastener	254
1-149	Locator	59, 69
150	Door Stop	226
150½	Door Stop	226
153	Door Stop	226
153½	Door Stop	226
155	Door Stop	226
155F73	Cylinder	59
155F74	Cylinder	59
155F81	Cylinder	59
155F82	Cylinder	59
155F83	Cylinder	59
155F84	Cylinder	59
155F85	Cylinder	59
155F86	Cylinder	59
155½	Door Stop	226
156	Door Stop	226
156½	Door Stop	226
158F72	Bracket	284
159B to E	Brackets	294
P159B	Closer	294
P159B-1	Closer	294
P159C	Closer	294
P159C-1	Closer	294
P159C-F2	Closer	295
P159D	Closer	294
P159D-1	Closer	294
P159D-F2	Closer	295
P159E	Closer	294
P159E-1	Closer	294
P159E-F2	Closer	295
P159F	Closer	294
P159F-1	Closer	294
P159F-F2	Closer	295
162	Bolt	251
165	Door Stop	224
165½	Door Stop	224
199	Bolt	251
207	Door Stop	224
207½	Door Stop	224
T208	Door Stop	225
209	Door Stop	224
209½	Door Stop	224
210	Door Stop	224
210½	Door Stop	224
215	Door Holder	225
T217	Door Stop	225
T217½	Door Stop	225
T218	Door Stop	225
219	Door Stop	224
219	Key	179
219½	Door Stop	224
229	Lock	149
230	Door Holder	222
230¼	Door Holder	222
230½	Door Holder	222
MP230	Door Holder	222
MP230¼	Door Holder	222
MP230½	Door Holder	222
232	Door Holder	222
232¼	Door Holder	222
232½	Door Holder	222
234	Door Holder	222
234¼	Door Holder	222
234½	Door Holder	222
235	Door Holder	222
235¼	Door Holder	222
235½	Door Holder	222
P239	Door Holder	222
252	Keyway	177
259B	Bracket	294
P259B	Closer	294
P259B-1	Closer	294
P259C	Closer	294
P259C-1	Closer	294
P259C-F2	Closer	295
259D	Bracket	294
P259D	Closer	294
P259D-1	Closer	294
P259D-F2	Closer	295
P259E	Closer	294
P259E-1	Closer	294
P259E-F2	Closer	295
P259F	Closer	294
P259F-1	Closer	294
P259F-F2	Closer	295
268	Lock	159
AR270	Door Holder	224
1-271	Key Kit	68
0280	Latch	153
283	Screws	255
286	Door Holder	225
298	Bolt	251
0298	Bolt	251
298½	Bolt	251
301	Part	279
302	Part	279
303	Part	279
304	Part	279
305	Part	279
306	Part	279
307	Part	279
308	Part	279

Number	Description	Page
BB308¼	Hinge	236
309	Part	279
310	Part	279
BB310¼	Hinge	236
311	Part	279
312	Part	279
312P	Part	279
BB312¼	Hinge	236
313	Part	279
314	Kick Plate	238
314	Part	279
1-314	Unit	60
315	Part	279
1-315	Unit	60
316	Kick Plate	238
316	Part	279
316	Strike	60
1-316	Unit	60
317	Part	279
317	Strike	60
1-317	Unit	60
318	Kick Plate	238
318	Part	279
319	Part	279
320	Part	279
321	Part	279
349½	Door Bumper	227
349¾	Door Bumper	227
350	Door Stop	227
350½	Door Stop	227
350¾	Door Stop	227
352	Door Stop	227
352½	Door Stop	227
352¾	Door Stop	227
353	Door Stop	227
353½	Door Stop	227
353¾	Door Stop	227
359B	Bracket	297
P359B	Closer	297
P359B-1	Closer	297
P359C	Closer	297
P359C-1	Closer	297
P359C-F2	Closer	297
359D	Bracket	297
P359D	Closer	297
P359D-1	Closer	297
P359D-F2	Closer	297
P359E	Closer	297
P359E-1	Closer	297
P359E-F2	Closer	297
P359F	Closer	297
P359F-1	Closer	297
P359F-F2	Closer	297
DR370	Carry Bar	212
0371C	Lock	155
0375	Lock	149
0375¾	Lock	149
0375¾M	Lock	149
400	Bracket	264
400-1	Bracket	264
400M	Closer	262
400MH	Closer	262
400R	Bracket	264
400R-1½	Bracket	264
400R-2	Bracket	264
400S	Closer	262
400SH	Closer	262
400W	Closer	262
400WH	Closer	262
P400M-21	Bracket	265
P400M-22	Bracket	265
P400S-21	Bracket	265
P400S-22	Bracket	265
P400S-24	Bracket	265
P400S-25	Bracket	265
0400	Boring Jig	47
0400-1	Bushing	47
401	Tool	267
402	Tool	267
403	Tool	267
404	Tool	267
405	Tool	267
406	Tool	267
407	Tool	267
408	Tool	267
409	Tool	267
410	Function	39
410	Handle	98
410	Tool	267
410C	Function	39
410 Modera	Trim	210
410 Rockford	Trim	210
NT410 Modera	Trim	210
NT410 Rockford	Trim	210
DNT410 Modera	Trim	210
DNT410 Rockford	Trim	210
411	Tool	267
412	Handle	98
412	Pivot	233
412	Tool	267
413	Pivot	233
413	Tool	267
414	Function	39
414	Kick Plate	238
414	Pivot	233
414	Tool	267
415	Tool	267
415 Andre	Trim	198
415 Modera	Trim	198
415 Rockford	Trim	198
NT415 Andre	Trim	198
NT415 Modera	Trim	198
NT415 Rockford	Trim	198
416	Function	39
416	Kick Plate	238
416	Tool	267
416 Andre	Trim	198
416 Modera	Trim	198
416 Rockford	Trim	198
NT416 Andre	Trim	198
NT416 Modera	Trim	198
NT416 Rockford	Trim	198
DNT416 Andre	Trim	198
DNT416 Modera	Trim	198
DNT416 Rockford	Trim	198
418	Kick Plate	238
420	Function	39
420	Handle	96, 98
420 Exbrook	Trim	206
420 Modera	Trim	210
420 Tower	Trim	210
NT420 Exbrook	Trim	205, 206
NT420 Modera	Trim	210
NT420 Tower	Trim	210
DNT420 Modera	Trim	210
DNT420 Tower	Trim	210
420½	Handle	96, 98
ER421	Function	39
422	Function	39
S423	Pull	246
S423¼	Pull	246
S423½	Pull	246
424M	Strike	28
425	Strike	28
425PBX	Strike	28
425S	Strike	28
425VPBX	Strike	28
425 Andre	Trim	199
425 Ronde	Trim	199
NT425 Andre	Trim	199
NT425 Ronde	Trim	199
426	Function	40
426 Andre	Trim	199
426 Ronde	Trim	199
NT426 Andre	Trim	199
NT426 Ronde	Trim	199
DNT426 Andre	Trim	199
DNT426 Ronde	Trim	199
428	Bracket	263
428	Function	40
430 Modera	Trim	210
NT430 Modera	Trim	210
DNT430 Modera	Trim	210
433EM	Function	40
433HM	Function	40
434EM	Function	40
435	Function	40
440	Function	41
440⅝	Function	41
H440⅝	Function	41
440⅝C	Function	41
0441	Latch	208
442	Function	41
446	Function	41
446½	Function	41
447	Function	42
448½	Function	42
450½	Function	42
451⅝	Function	42
452	Function	42
452C	Function	42
452½	Function	43
453	Function	43
454	Function	43
456	Function	43
456½	Function	43
459B	Bracket	294
P459B	Closer	294
P459B-1	Closer	294
P459C	Closer	294
P459C-1	Closer	294
P459C-F2	Closer	295
459D	Bracket	294
P459D	Closer	294
P459D-1	Closer	294
P459D-F2	Closer	295
P459E	Closer	294
P459E-1	Closer	294
P459E-F2	Closer	295
P459F	Closer	294
P459F-1	Closer	294
P459F-F2	Closer	295
465	Exit Bolt	204, 205
LT465	Exit Bolt	204, 205
465¼	Exit Bolt	204, 205
A466	Strike	205
474	Pull	245
474½	Pull	245
477	Pull	247
477¼	Pull	247
477½	Pull	247
478½	Pull	245
479	Pull	247
480	Pull	247
481	Pull	244
482	Pull	246
483	Pull	246
485	Pull	244
486	Pull	244
487	Pull	244
488	Pull	246
488L	Pull	246
489	Pull	246
489¼	Pull	246
489½	Pull	246
491	Pull	248
492	Pull	248
494	Door Stop	227

Number	Description	Page
496	Door Stop	227
A497	Threshold	211
B497	Threshold	211
½D500	Dummy trim	24
D500	Dummy trim	24
500C-3	Closer	275
500C-4	Closer	275
500CH-3	Closer	275
500CH-4	Closer	275
500CT-3	Closer	276
500CT-4	Closer	276
500CTH-3	Closer	276
500CTH-4	Closer	276
500M-size-R11	Closer	271
500MH-size-R	Closer	271
500MH-size-R11	Closer	271
500MS-size-11	Closer	272
500MS-size-R11	Closer	271
500MS-size-RD11	Closer	274
500MSH-size	Closer	272
500MSH-size-11	Closer	272
500MSH-size-D	Closer	274
500MSH-size-R	Closer	271
500MSH-size-R11	Closer	271
500S-size-11	Closer	272
500S-size-011	Closer	272
500S-size-B	Closer	274
500S-size-R11	Closer	271
500S-size-RB	Closer	274
500S-size-RB9	Closer	274
P500S-size-R11	Closer	273
P500S-size-R11 x 510	Closer	273
P500S-size-R11 x 517	Closer	273
P500S-size-R11 x 518	Closer	273
P500S-size-R11 x 521	Closer	273
500SH-size	Closer	272
500SH-size-11	Closer	272
500SH-size-0	Closer	272
500SH-size-011	Closer	272
500SH-size-B	Closer	274
500SH-size-R	Closer	271
500SH-size-R11	Closer	271
P500SH-size-R11	Closer	273
P500SH-size-R11x510	Closer	273
P500SH-size-R11x521	Closer	273
SJ-0500	Jig and Saw	23
503	Backplate	277
504	Backplate	277
510	Bracket	278
H510	Bracket	278
510	Function	19
514	Function	19
515	Bracket	277
516	Bracket	277, 284
519	Bracket	278
H519	Bracket	278
520	Bracket	278
H520	Bracket	278
520	Door Holder	220
520	Function	19
521	Bracket	278
H521	Bracket	278, 284
ER521	Function	19
521	Door Holder	221
522	Bracket	278
H522	Bracket	278, 284
522	Door Holder	221
522	Function	19
523	Door Holder	221
524	Function	20
525	Function	20
525½	Function	20
526C to F	Brackets	296
527B to F	Brackets	296
528	Bracket	277, 283
528	Function	20

Number	Description	Page
529B to F	Brackets	296
530	Opener	182
531B to F	Brackets	297
532B to F	Brackets	297
533	Opener	182
533EM	Function	20
533HM	Function	20
534	Opener	182
535	Catch	252
535B to F	Brackets	296
536B to F	Brackets	297
537	Bracket	296
539	Bracket	277
539	Function	21
539	Paddle	188, 192, 194
540	Function	21
540⅝	Function	21
H540⅝	Function	21
541	Door Holder	221
542	Door Holder	221
543	Door Holder	221
546	Function	21
546½	Function	21
548½	Function	22
550½	Function	22
551⅝	Function	22
552	Function	22
553	Function	22
557	Key	179
557B	Key Blank	179
558¾	Key	179
558¾B	Key Blank	179
559	Key	179
559B	Key Blank	179
563	Function	22
563	Key	179
563B	Key Blank	179
0566	Mullion	191
0566A	Mullion	191
568	Lock	159
568	Turn Piece	99
0568	Mullion	190
576	Pull	247
576¼	Pull	247
576½	Pull	247
580B to F	Brackets	296
583	Bracket	278
584	Bracket	278
596	Paddle	204
600	Door Holder	216
600-size	Closer	282
600H-size	Closer	282
600H-size-0	Closer	282
600-4-B	Closer	282
600H-4-B	Closer	282
P600-size	Closer	282
P600H-size	Closer	282
P600-size x 621	Closer	282
P600H-size x 521	Closer	282
602	Door Holder	216
603	Door Holder	216
A605	Strike	23
605-OB	Strike	23
A606	Strike	23
610	Door Holder	216
612	Door Holder	216
613	Door Holder	216
615	Push Plate	81
615	Strike	23
615D	Strike	23
615 Mod.	Push Plate	239
616 Enf.	Push Plate	239
616 Lnx.	Push Plate	239
616 Mod.	Push Plate	239
617	Bracket	283
617 Andre	Push Plate	239

Number	Description	Page
617 Enf.	Push Plate	239
617 Lnx.	Push Plate	239
617 Rock.	Push Plate	240
619 Rockford	Trim	210
620	Door Holder	216
621	Bracket	284
621	Handle	68
622	Bracket	284
622	Door Holder	216
623	Door Holder	216
625	Door Pull	81
625 Mod.	Pull	241
626 Enf.	Pull	241
626 Lnx.	Pull	241
626 Mod.	Pull	241
626 Rock.	Pull	242
627 Andre	Pull	241
627 Enf.	Pull	241
627 Lnx.	Pull	241
627 Rock.	Pull	242
628 Rock.	Pull	242
629 Mod.	Pull	241
629 Rockford	Trim	210
631 Mod.	Pull	244
633	Opener	182
636 Rome	Pull	245
637 Andre	Pull	244
637 Mod.	Pull	244
637 Rome	Pull	245
637 Ronde	Pull	244
637 Tower	Pull	244
639 Rockford	Trim	210
653¾	Rose	70
663	Key	179
663G	Key	179
0686	Lock	155
688	Key	179
688G	Key	179
700	Door Holder	219
701	Exit Bolt	194, 195
H701	Exit Bolt	194, 195
702	Door Holder	219
TG702	Door Holder	220
703	Door Holder	219
TG703	Door Holder	220
705	Door Holder	219
708	Exit Bolt	194, 195
H708	Exit Bolt	194, 195
736	Exit Bolt	188, 189
NT736	Exit Bolt	188, 189
736¼	Exit Bolt	188, 189
736½	Exit Bolt	188, 189
737	Exit Bolt	188, 189
737½	Exit Bolt	188, 189
752	Keyway	177
0756	Key	179
0756	Lock	154
0756B	Key Blank	179
A766	Strike	200
771	Pull	248
772	Pull	248
772½	Grip	98
773	Grip	96, 248
774	Pull	248
775	Grip	96, 247
777	Escutcheon	199
0777	Grip	98, 248
0779	Grip	98, 248
781	Grip	98, 245
0786	Lock	154
H790T	Strike	200
791	Exit Bolt	194, 195
H791	Exit Bolt	194, 195
792	Exit Bolt	194, 195
H792	Exit Bolt	194, 195
792FB	Strike	200

Number	Description	Page
792FT	Strike	200
792S	Strike	200
796	Exit Bolt	192, 193
NT796	Exit Bolt	192, 193
796½	Exit Bolt	192, 193
NT796½	Exit Bolt	192, 193
797	Exit Bolt	192, 193
797½	Exit Bolt	192, 193
798	Exit Bolt	194, 195
H798	Exit Bolt	194, 195
799A	Exit Bolt	192, 193
0799	Grip	98, 248
800	Adjuster	253
AR848	Cylinder	173
ARH848	Cylinder	173
850	Bar	249
850L	Bar	249
850½	Bar	249
851	Bar	249
851L	Bar	249
852	Bar	249
852	Keyway	177
853	Bar	249
854	Bar	249
855	Pull	245
856	Pull	245
861UB	Key Blank	178
870B	Key Blank	179
900	Adjuster	253
901	Escutcheon	92
902	Rose	92, 96-98
910	Cyl. Collar	84-86, 96, 98
911⅝	Rose	93
920	Turn Piece	85, 86
925	Key Plate	86
926	Key Plate	99
927	Key Plate	99
A930	Key Plate	84, 85
3-932⅝	Rose	53, 54
3-933½	Rose	55, 58
935	Escutcheon	92
942⅝	Roses	32, 33, 34, 37
943	Roses	33, 36, 38
943½	Roses	31, 32, 35, 38
953	Rose	54, 58
953¾	Rose	72
954	Rose	71
955½	Rose	70, 71
957½	Rose	71
961	Keyway	176
962	Keyway	176
963	Keyway	176
967¼	Indicator	111, 135
968	Indicator	111, 135
972F	Escutcheon	102
T972F	Escutcheon	102
972½F	Escutcheon	102
T972½F	Escutcheon	102
981	Keyway	176
982	Keyway	176
983	Keyway	176
1007	Lock	116
1007¼	Lock	116
1007½	Lock	116
1007¾	Lock	116
1013	Lock	117
A1013	Lock	117
1015	Push Plate	240
1016	Push Plate	240
1017	Push Plate	240
1018	Lock	117
1018½	Lock	117
1019	Push Plate	240
1023	Lock	117
A1023	Lock	117
1024	Lock	118
A1024	Lock	118
1024¼	Lock	118
A1024¼	Lock	118
1024½	Lock	118
A1024½	Lock	118
1024¾	Lock	118
A1024¾	Lock	118
1025	Lock	119
A1025	Lock	119
1025	Pull	243
1026	Pull	243
1027	Pull	243
1028	Lock	119
1028	Pull	243
1029	Pull	243
1033HM	Lock	119
A1033HM	Lock	119
1036	Lock	119
A1036	Lock	119
1037	Lock	120
A1037	Lock	120
1038	Lock	120
A1038	Lock	120
1039	Lock	120
A1039	Lock	120
1040	Lock	120
A1040	Lock	120
1040½	Lock	121
A1040½	Lock	121
1040⅞	Lock	121
A1040⅞	Lock	121
1048	Lock	121
A1048	Lock	121
1048½	Lock	121
A1048½	Lock	121
1049	Lock	122
A1049	Lock	122
1056	Lock	122
A1056	Lock	122
1058½	Lock	122
A1058½	Lock	122
1058⅝	Lock	122
A1058⅝	Lock	122
1059	Lock	123
A1059	Lock	123
1060	Lock	161
1060½	Lock	161
1060⅝	Lock	161
1068½	Lock	123
A1068½	Lock	123
1068⅝	Lock	123
A1068⅝	Lock	123
1076	Pull	243
1077	Pull	243
1098	Lock	123
A1098	Lock	123
1098½	Lock	124
A1098½	Lock	124
1107	Lock	116
1107¼	Lock	116
1107½	Lock	116
1107¾	Lock	116
1113	Cylinder	171
1114	Cylinder	171
1114	Push Plate	240
1116	Push Plate	240
1118	Push Plate	240
1119 Spec	Rose	166, 167
1124	Lock	118
A1124	Lock	118
1124¼	Lock	118
A1124¼	Lock	118
1124½	Lock	118
A1124½	Lock	118
1124¾	Lock	118
A1124¾	Lock	118
1126 Mod.	Pull	242
1126 Tower	Pull	242
1128 Mod.	Pull	242
1128 Tower	Pull	242
1133HM	Lock	119
A1133HM	Lock	119
1137	Lock	120
A1137	Lock	120
1139	Lock	120
A1139	Lock	120
1148	Lock	121
1148	Turn Piece Attach.	173
A1148	Lock	121
1148½	Lock	121
A1148½	Lock	121
1149	Lock	122
1149¾	Turn Piece Attach.	173
A1149	Lock	122
1190	Cylinder	171, 200
1198	Lock	123
A1198	Lock	123
1202½	Lock	147
1202¾	Lock	147
01203	Lock	147
01203¼	Lock	147
01203½	Lock	147
01203¾	Lock	147
1204	Lock	147
1204¼	Lock	147
1204½	Lock	147
1204¾	Lock	147
01206	Lock	148
01206¼	Lock	148
01206½	Lock	148
01206¾	Lock	148
1207	Lock	146
1207¼	Lock	146
1207½	Lock	146
1207¾	Lock	146
1210	Lock	148
1210¼	Lock	148
1210½	Lock	148
1210¾	Lock	148
1215	Push Plate	240
1216	Push Plate	240
1217	Push Plate	240
1219	Push Plate	240
1225	Pull	243
1226	Pull	243
1227	Pull	243
1228	Pull	243
1229	Pull	243
1238	Lock	138
F1238	Lock	144
F1247	Lock	144
1248	Turn piece attach.	171
1248½	Pusher	182
1276	Pull	243
1277	Pull	243
F1277	Lock	144
1282	Lock	157
1290	Cylinder	171, 200
R1290	Cylinder Ring	169
1294	Turn Piece	99
1297	Latch	145
1297½	Latch	145
1299	Latch	157
1334	Lock	143
1334½	Lock	143
1-1340	Clip	68
1348	Turn Piece attach.	173
1348¾	Turn Piece attach.	173
1349	Turn Piece attach.	173
1349¾	Turn Piece attach.	173

Number	Description	Page
1429	Latch	145
H1453½	Lock	146
1454	Latch	145
H1454	Latch	146
1454½	Latch	145
H1454½	Latch	146
1-1467	Tool	68
1507	Lock	146
1507¼	Lock	146
1507½	Lock	146
1507¾	Lock	146
1510	Lock	148
1510¼	Lock	148
1510½	Lock	148
1510¾	Lock	148
1650	Door Holder	217
1652	Door Holder	217
1660	Door Holder	217
1662	Door Holder	217
1670	Door Holder	217
1672	Door Holder	217
1722	Lock	156
1-1777	Spring	68
2007	Lock	116
2007¼	Lock	116
2007½	Lock	116
2007¾	Lock	116
A2013	Lock	117
A2023	Lock	117
A2024	Lock	118
A2024¼	Lock	118
A2024½	Lock	118
A2024¾	Lock	118
L2024	Lock	150
L2024¼	Lock	150
L2024½	Lock	150
L2024¾	Lock	150
HL2025	Latch	150
A2025	Lock	119
A2033HM	Lock	119
A2034HM	Lock	124
A2034¾HM	Lock	124
A2036	Lock	119
A2037	Lock	120
A2038	Lock	120
A2039	Lock	120
A2040	Lock	120
A2040½	Lock	121
A2040⅞	Lock	121
A2048	Lock	121
A2048½	Lock	121
A2049	Lock	122
A2056	Lock	122
A2058½	Lock	122
A2058⅝	Lock	122
A2059	Lock	123
A2061	Lock	124
2062	Handle	100
A2068½	Lock	123
A2068⅝	Lock	123
A2098	Lock	123
A2098½	Lock	124
2107	Lock	116
2107¼	Lock	116
2107½	Lock	116
2107¾	Lock	116
2117	Lock	7
A2124	Lock	118
A2124¼	Lock	118
A2124½	Lock	118
A2124¾	Lock	118
2125	Lock	7
2125½	Lock	7
2128	Lever	163
A2133HM	Lock	119
2134	Lock	6
2135	Lock	6
A2137	Lock	120
A2139	Lock	120
2145	Lock	6
2148	Turn Piece	99
A2148	Lock	121
A2148½	Lock	121
A2149	Lock	122
2155	Knob	166
2157	Lock	6
2159	Lock	6
2159½	Lock	6
2185	Lock	7
2186	Lock	7
2187½	Lock	7
A2198	Lock	123
A2198½	Lock	124
2266	Lock	157
2266-12	Lock	157
2282	Lock	157
2290	Cylinder	171, 200
02291R	Lock	154
2299	Lock	157
G2310	Lock	148
A2358½	Lock	209
A2358⅝	Lock	209
A2359	Lock	209
2371	Lock	155
2372	Knob	85
F2376	Knob	78, 81, 85, 90
2383	Knob	92, 96-98
F2387	Knob	90, 92
1-2475	Jig	59
1-2476	Jig	59
1-2477	Bit	59
1-2478	Bit	59
1-2479	Bit	59
1-2480	Blade	59
1-2481	Shaft	59
R2535	Kit	60, 67
2605	Strike	23
2606	Strike	23
2614	Lectro-Mag	223
A2658	Lock	140, 201
A2658½	Lock	140, 201
A2659	Lock	140, 201
A2659½	Lock	140, 201
2686	Lock	155
2702	Plate	156
2750	Door Holder	218
2752	Door Holder	218
2755	Door Holder	218
2757	Door Holder	218
2772	Handle	100
1-2772	Tool	68
2773	Handle	100
2784	Handle	100
2784B	Rose	100
2852	Knob	93
2863	Padlock	155
2863A	Padlock	155
2882	Padlock	155
2882A	Padlock	155
2882AH	Padlock	155
2883	Padlock	155
2883A	Padlock	155
2883AH	Padlock	155
2885A	Padlock	155
G2910	Lock	148
2951¾	Knob	86
2952	Knob	86
2952¼	Knob	81, 85-87
2952½	Knob	85, 86
2952½	Lock	142
H2952½	Lock	142
H2952⅝	Lock	142
2952¾	Knob	87
2953	Knob	85
2953½	Knob	87
1-2974	Latch	67
1-2975	Latch	67
1-2993	Latch	67
1-2997	Latch	67
3000	Lock	167
3001	Lock	167
3002	Lock	167
3003	Lock	167
3007	Lock	127
3007¼	Lock	127
3007½	Lock	127
3007¾	Lock	127
1-3010	Latch	67
1-3014	Latch	67
1-3017	Latch	67
1-3019	Latch	67
3021	Lock	166
3022	Lock	166
3023	Lock	166
A3024	Lock	127
A3024¼	Lock	127
A3024½	Lock	128
A3025	Lock	127
3033EM	Lock	127
A3036	Lock	128
A3038	Lock	128
A3039	Lock	128
A3040	Lock	128
A3040½	Lock	128
A3040⅞	Lock	128
3048	Lock	127
A3056	Lock	127
A3058½	Lock	128
A3058⅝	Lock	128
A3059	Lock	127
3062	Handle	100
3066	Catch	255
3067	Catch	255
3068	Catch	255
A3068½	Lock	128
A3068⅝	Lock	128
3076	Grip	248
3112	Rose	85, 100
3112¼	Rose	85
3113M	Rose	87
3113W	Rose	87
3181	Rose	100
3181⅜B	Rose	100
3310	Function	56
3310CS1	Function	56
3314	Function	56
3320	Function	56
3322	Function	56
3326	Function	56
3328	Function	57
3330	Function	57
3333EM	Function	57
3335	Function	57
3340	Function	57
3340⅝	Function	57
3340⅝CS1	Function	58
3342	Function	58
3346	Function	58
3352	Function	58
3372	Knob	85
F3376	Knob	78, 81, 85, 90
F3387	Knob	90, 92
1-3437	Strike	67
3474	Pull	245
3474½	Pull	245
1-3510	Latch	60
1-3511	Latch	60

Number	Description	Page
3616 Enf.	Push Plate	239
3616 Lnx.	Push Plate	239
3617 Enf.	Push Plate	239
3617 Lnx.	Push Plate	239
1-3623	Latch	60
1-3624	Latch	60
3626 Enf.	Pull	241
3626 Lnx.	Pull	241
3627 Enf.	Pull	241
3627 Lnx.	Pull	241
1-3648	Latch	60
A3658	Lock	201
A3658½	Lock	201
A3659	Lock	201
A3659½	Lock	201
1-3671	Latch	60
1-3796	Strike	60, 67
3-3832	Knob	53, 54
3-3832⅛	Knob	53-55
3842	Knobs	16-18, 31, 34-36, 88, 91
3842¼	Knobs	16-18, 34-37, 89-91
1-3846	Strike	67
3900	Escutcheon	81
3901	Escutcheon	79, 80, 81, 88, 89
3902½	Escutcheon	78
3902½ Century	Escutcheon	199
3902½ Enfield	Escutcheon	206
3902½ Lenox	Escutcheon	210
3903	Escutcheon	81, 90, 91
3932	Knob	55
3932¼	Knob	55
3932¾	Rose	55
3932⅞	Rose	55
3935	Escutcheon	78-81, 88, 89, 90, 91
3942	Knob	29, 32, 33, 80
3942⅛	Knob	30
3942¼	Knob	14, 29, 30-33, 79, 80
3942⅝	Knobs	30
3942⅝	Rose	29
3942⅞	Rose	30
3943⅛	Roses	29, 30, 31, 38
3943½	Rose	30
3951¾	Rose	86
3951⅞	Rose	86, 87
3952	Knob	84
3952	Rose	85
3952¼	Knob	81
3952¼	Rose	84, 87
3952¼ Enfield	Knob	206
3952¼ Lenox	Knob	210
3952½	Rose	85
3953½	Escutcheon	13, 16, 17, 19
3953½L	Escutcheon	14, 15
3953⅝	Escutcheon	15, 17
3953⅝L	Escutcheon	15
3953⅞	Escutcheon	16, 18
3962	Knob	13, 16
3962⅛	Knob	13, 15
3962¼	Knob	16
3986	Handle	82
3987	Handle	82
3988	Handle	82
3996	Handles	83
3997	Handles	83
3998	Handles	83
4000	Lock	163
4001	Lock	163
4002	Lock	165
4003	Lock	164
S4255	Lock	144
S4292	Turnpiece	144
4369	Co. Device	212
4373	Strike	200
A4374	Strike	205
4515	Lock	159
4516	Lock	159
4548	Lock	143
1-4574	Key	68
1-4595	Tool	68
3-4731⅞	Knob	53
4742	Knob	19, 37
4872¼ Cosmic	Knob	199
4903	Escutcheon	83
5290	Cylinder	173
5320	Opener	182
5410	Cyl. Collar	97
5420	Handle	97
5452	Knob	97
5490	Escutcheon	97
5731¾	Knob	54
1-5757	Cover	68
6127 Enf.	Push/Pull	240
6290	Cylinder	173
T7030	Exit Bolt	206, 207
7031	Socket	255
T7035	Spindle	102
T7036	Exit Bolt	206, 207
T7036NT	Exit Bolt	206, 207
T7036½	Exit Bolt	206, 207
T7036½NT	Exit Bolt	206, 207
T7037	Exit Bolt	206, 207
T7037½	Exit Bolt	206, 207
T7039	Spindle	102
T7039A	Exit Bolt	206, 207
T7055	Spindle	102
T7059	Spindle	102
7120	Screws	255
7210	Function	66
7210C	Function	66
7215	Door Holder	225
7223	Function	66
7226	Function	66
7227	Function	66
7230	Function	66
7230-5	Function	66
7238	Spindle	101
7240	Function	66
7240	Spindle	101
7240-5	Function	66
7284	Screws	255
A7374	Strike	200
7374½	Strike	200
T7521	Door Holder	221
T7522	Door Holder	221
T7523	Door Holder	221
T7541	Door Holder	221
T7542	Door Holder	221
T7543	Door Holder	221
S8918	Turnbuckle	166
S8918¼	Turnbuckle	166
S8918½	Turnbuckle	166
S9378	Lever	166, 167
9395	Lock	142
S9438	Lock	167
S9438¼	Lock	167
S9438½	Lock	167
9453	Lock	141, 209
9453½	Lock	141, 209
9455	Lock	141, 209
9455½	Lock	141, 209
9458	Lock	141, 209
9458½	Lock	141, 209
9459	Lock	141, 209
9459½	Lock	141, 209
9510¾	Rose	72
9511	Rose	72
10013	Lockset	96, 98
10098½	Lockset	96, 98
11100	Cylinder	171
11100½	Cylinder	171
11101	Cylinder	171
11102	Cylinder	171
11213	Lock	142
11233HM	Lock	139
11243HM	Lock	139
11248	Lock	138
11248½	Lock	138
11748	Lock	139
13013	Lockset	96, 98
S13789	Key	178
S13790	Key	178
S13791	Key	178
S13792	Key	178
13850	Lock	143
13850½	Lock	143
T15440	Escutcheon	97
21458	Knob Screw	104
21482	Knob	93
51141	Cylinder	173
51142	Cylinder	173
51181	Cylinder	173
51182	Cylinder	173
51381	Cylinder	173
51382	Cylinder	173
54013	Lockset	97
54098½	Lockset	97
54148	Lockset	97
60058	Lever	14
60059	Lever	15
60060	Lever	14
60061	Lever	15
61001	Cylinder	172
61002	Cylinder	172
MR61003	Cylinder	172
61121	Cylinder	173
61122	Cylinder	173
61141	Cylinder	173
61142	Cylinder	173
61181	Cylinder	172
61182	Cylinder	172
MR61183	Cylinder	172
61381	Cylinder	173
61382	Cylinder	173
71141	Cylinder	172
71142	Cylinder	172
MR71143	Cylinder	172
71381	Cylinder	172
71382	Cylinder	172
MR71383	Cylinder	172

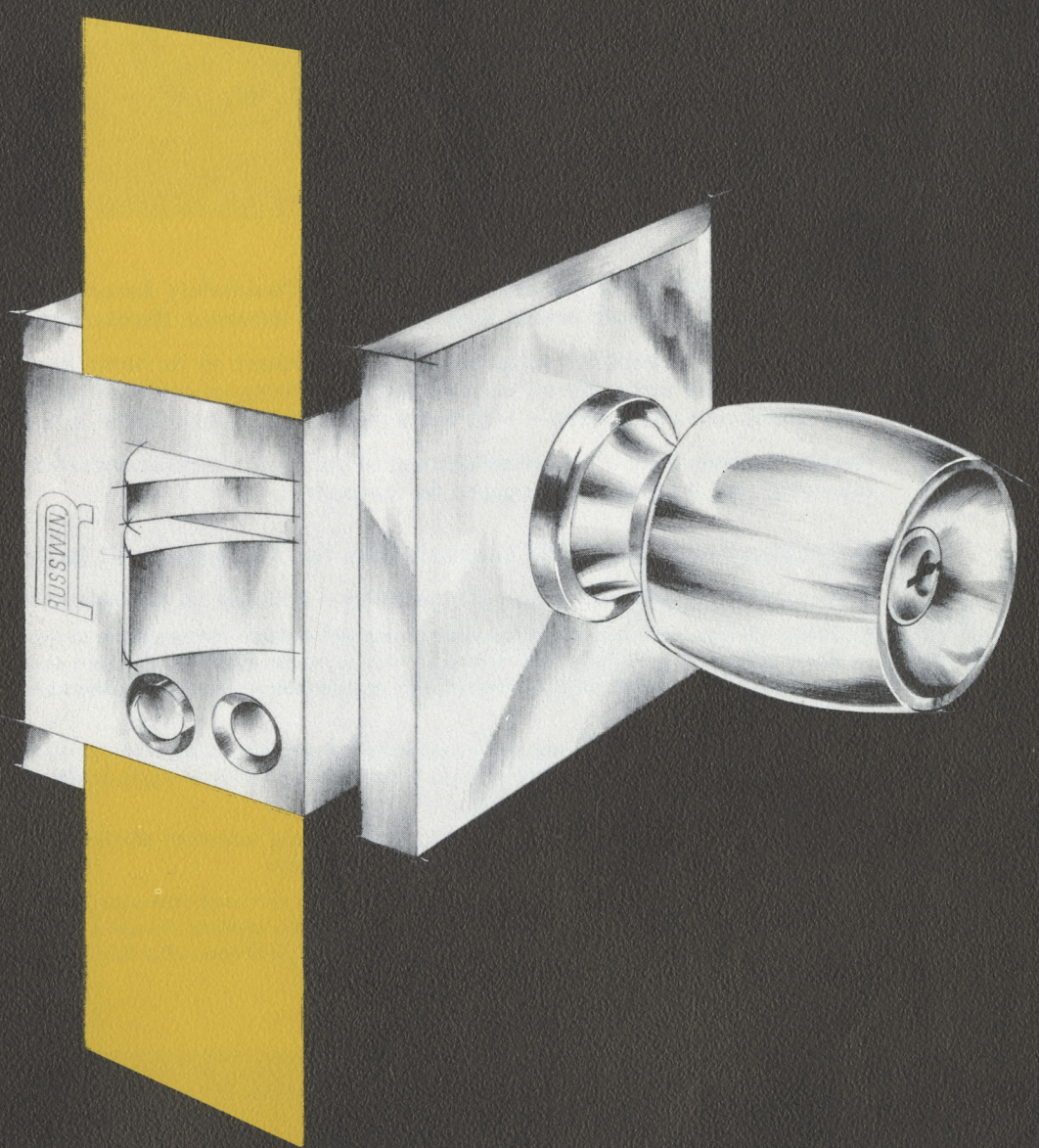
RUSSWIN



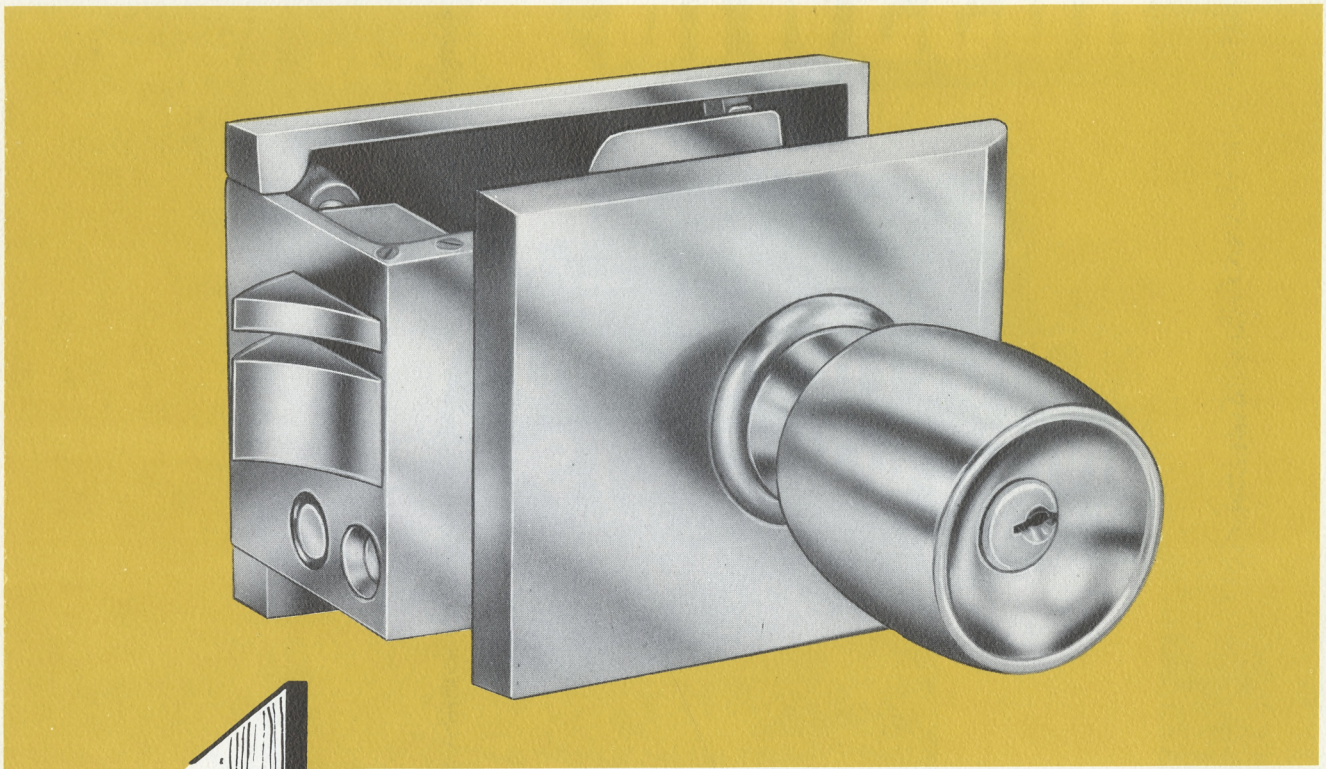
Washington Building
Seattle, Washington

RUSSWIN

EXTRA-HEAVY DUTY UNIT® LOCKSETS



Extra-heavy Duty UNIT® Locksets



A Modern "Masterpiece" that Never Tires . . . .

Extra-heavy Duty UNIT Locksets by RUSSWIN Completely Assembled in One Piece to Provide Smooth Action, Easy Installation, Minimum Maintenance.

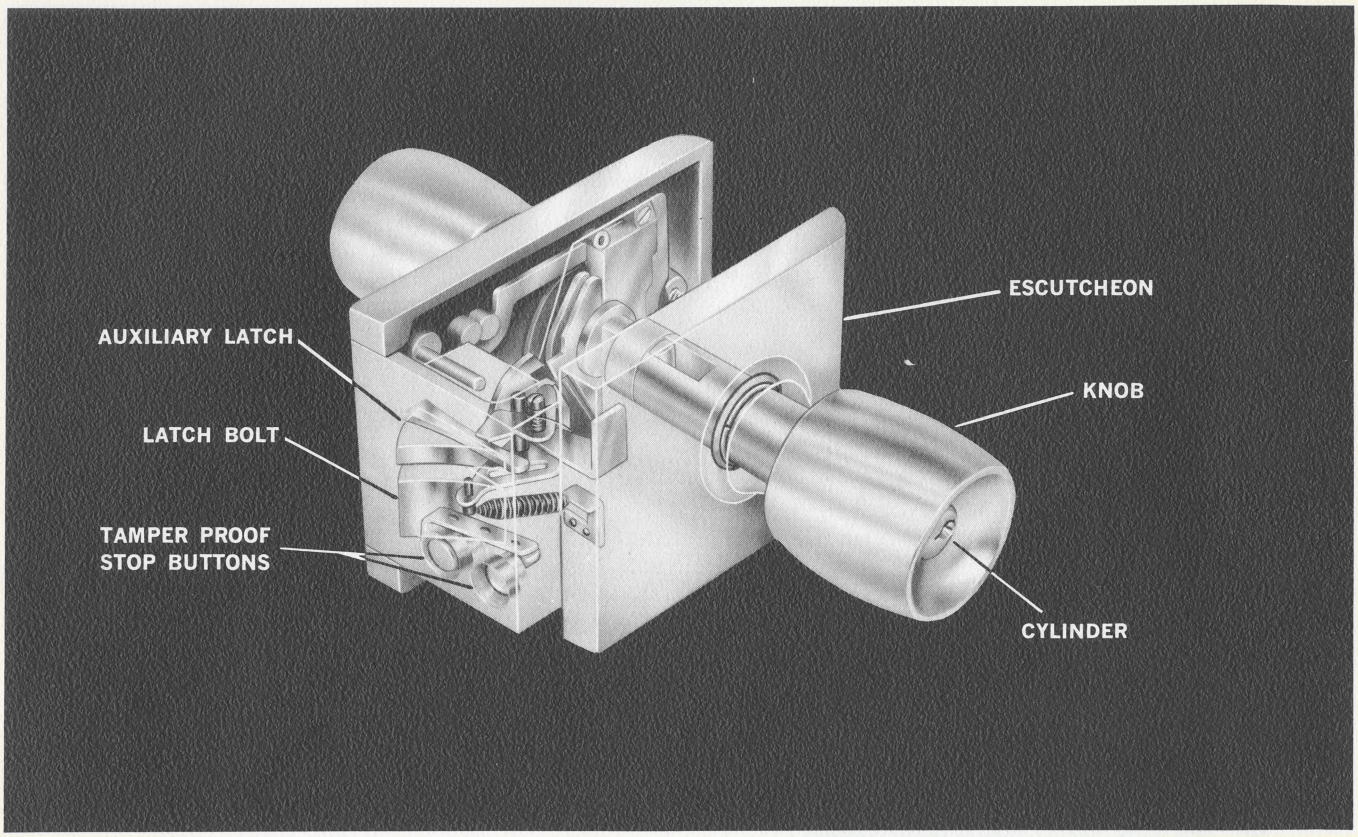
Respected for its superior construction, UNIT Lockset as its name implies, is a single one piece unit superbly constructed by building up one part on another — lock, knobs and escutcheon — with every part in its proper relation to the others.

Result? No possibility of any misalignment of parts with Lockset entirely free from cramping and binding when applied to the door.

Only Extra-heavy Duty UNIT Locksets Give You All These Built-In Features:

- No mortising or deep cuts in door stile necessary — a shallow 1⅞ inch notch is sufficient.
- Safety devices include an auxiliary latch to prevent outside manipulation of the latchbolt when door is closed. Parts are formed in dies to obtain uniformity of size and strength . . . they are assembled on back of the inside escutcheon where they are inaccessible from the outside.
- All parts of the lock, frame, knobs and escutcheons are solid metal castings — plus locking mechanism of heavy, hard rolled wrought brass for exceptional strength, minimum friction, long life.
- Knobs are seamless metal castings with self-lubricating screwless shanks. The cylinder, of ball bearing construction, is carried within the knob.
- Latch Bolt is of the pivoted swinging type actuated by an easy compression spring. The use of two springs, one for the latch, the other for the knobs, permits the use of a lighter latch spring and a heavier knob spring thus assuring easy latch action and a firm return of knobs to normal position.

For The World's Most Modern Buildings — A Modern "Masterpiece" . . . Extra-heavy Duty UNIT Locksets!



Knobs and Escutcheons: Cast brass, bronze or aluminum.

Lock Case: Cast brass or bronze (finished to match aluminum trim when required). Face of lock case beveled ⅛ in. on 2 in.

Doors: Locks not adjustable, exact door thickness to be specified; can be furnished for doors 1⅜ in. to 3 in. thick; (locks having ¾ in. throw supplied only for doors 1¾ in. and over).

Hand: Specify hand.

Backset: 3 in. only.

Strike: Cast brass or bronze (finished to match aluminum trim when required). Strike has a metal box which conceals all raw wood exposed in mortising the strike and assures proper projection of latch bolt. To order regular strikes with special length lip, state distance from stop to face of door frame.
Curved lip strikes can be furnished to protect trim. Full size detail should be submitted when ordering.

No. 18 open-back strike furnished when ordered for functions 2117, 2145, 2157, 2159, 2159½ only.

No. 534 electric door opener, available for use with UNIT locks (except Nos. 2185, 2186 and 2187½).

ASA Strike: No. S13310 ASA strike, 4⅞ x 1¼ in., 1¼ in. lip to center is available for use with all non-dead bolt functions (except 2186 and 2187½).

Latch Bolt: Cast brass, pivoted swinging type, ⅝ in. throw except locks 2185, 2186 and 2187½ which have ¾ in. throw.

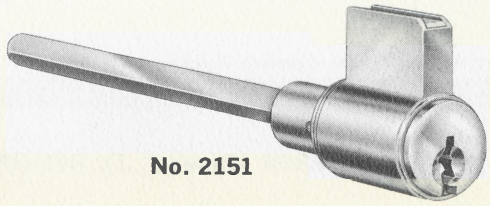
Auxiliary Latch: Deadlocks latch bolt, preventing manipulation when door is closed.

Tamper-proof Stop Buttons: Stop buttons not operable when door is closed, thus preventing outside manipulation.

Keys: Two nickel-silver keys

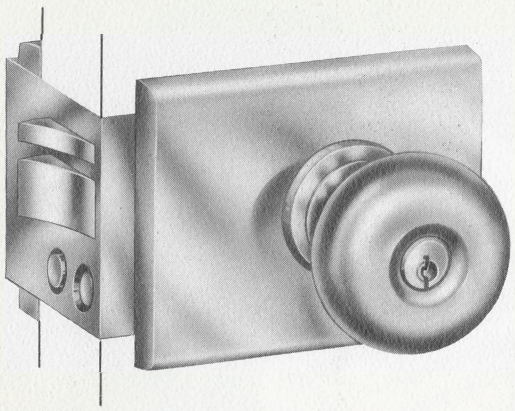
Master-keying: Can be master-keyed in sets with other cylinders of the same key class. For Construction Master Key see page 172.

Cylinder: No. 2151, six pins, ball bearing, changes practically unlimited. (No. 2150, 5 pin cylinder, available for replacement purposes.)



No. 2151

Extra-heavy Duty UNIT® Locksets



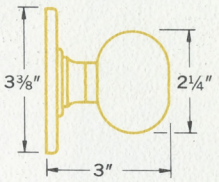
Enfield

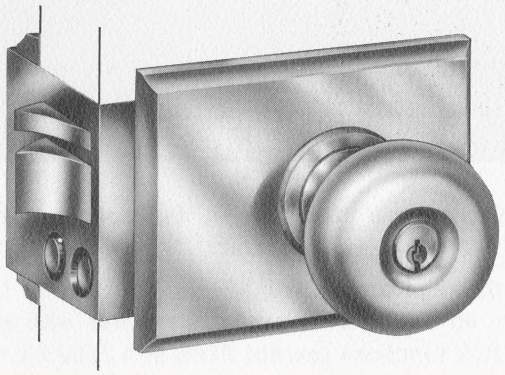
For door stiles not less than 5 in. wide.

cast brass, bronze or aluminum trim

Escutcheons: 3⅜ in. x 4⅞ in. inside; 3⅜ in. x 4⅛ in. outside.

Furnished only with vertical keyway as shown.





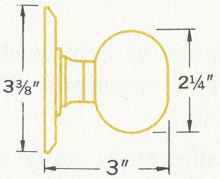
Lenox

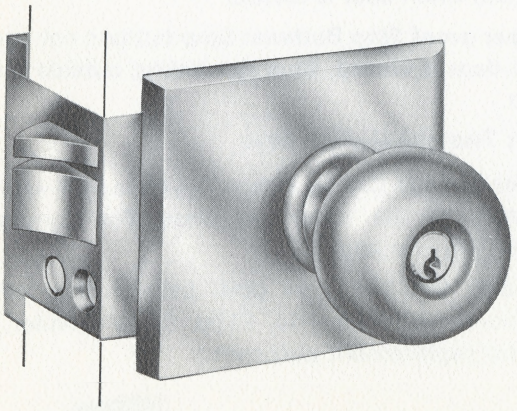
For door stiles not less than 5 in. wide.

cast brass, bronze or aluminum trim

Escutcheons: 3⅜ in. x 5 in. inside; 3⅜ in. x 4¼ in. outside.

Furnished only with vertical keyway as shown.





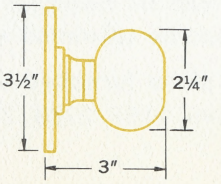
Modera

For door stiles not less than 5 in. wide, except locks No. 2186 and 2187½, which require stiles 5½ in. wide.

cast brass, bronze or aluminum trim

Escutcheons: 3½ in. x 4⅞ in. inside; 3½ in. x 4⅛ in. outside.

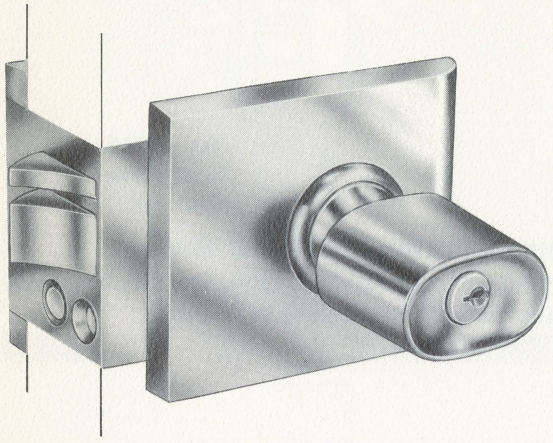
Furnished only with vertical keyway as shown.



packing and weights (brass, approx): 1 per box, 5½ lb.

SPECIFY NUMBER (Pages 6, 7), DESIGN (Pages 4, 5), HAND, DOOR THICKNESS AND FINISH

Era

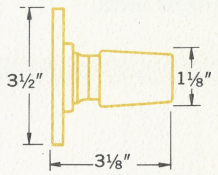


For door stiles not less than 5 in. wide, except locks No. 2186 and 2187½, which require stiles 5½ in. wide.

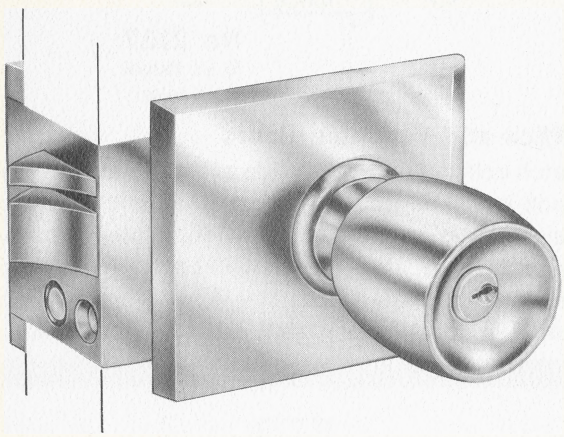
cast brass, bronze or aluminum trim

Escutcheons: 3½ in. x 4⅞ in. inside; 3½ in. x 4⅛ in. outside.

Furnished only with horizontal keyway as shown.



Turbo

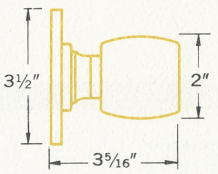


For door stiles not less than 5 in. wide, except locks No. 2186 and 2187½, which require stiles 5½ in. wide.

cast brass, bronze or aluminum trim

Escutcheons: 3½ in. x 4⅞ in. inside; 3½ in. x 4⅛ in. outside.

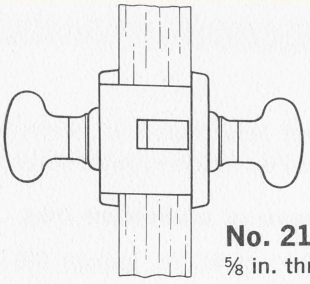
Furnished only with horizontal keyway as shown.



packing and weights (brass approx): 1 per box, 5½ lb.

Optional Knobs: Stilemaker Haddam, Cosmic and Tempo knobs are available in place of regular knob when specified. These knobs are heavy cold forged reinforced brass, bronze, aluminum or stainless steel. When ordering specify by knob number and design, i.e., "x 3842 Tempo knob," etc.

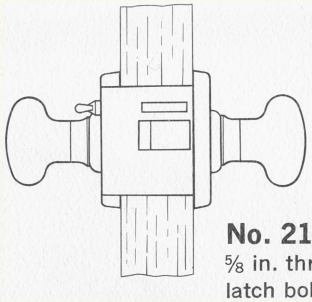
Extra-heavy Duty UNIT® Locksets



No. 2145
⅝ in. throw
latch bolt

Passage and Closet Doors

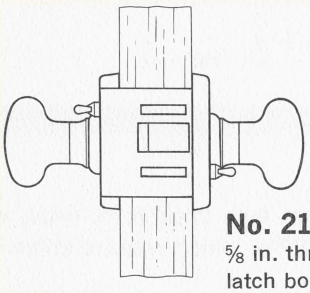
Latch bolt by knob either side.



No. 2134
⅝ in. throw
latch bolt

Communicating and Toilet Doors

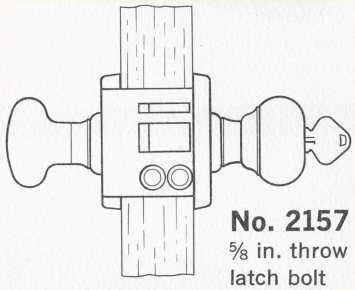
Latch bolt by knob either side. Dead bolt by turn piece inside. Dead bolt ½ in. throw.



No. 2135
⅝ in. throw
latch bolt

Communicating Doors

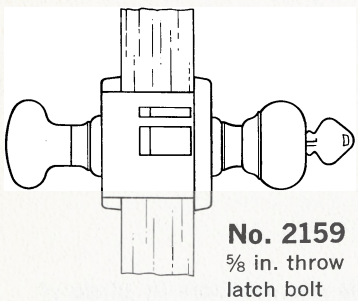
Latch bolt by knob either side. Two dead bolts by turn piece either side, each turn piece operates dead bolt against opposite side. Dead bolts ½ in. throw.



No. 2157
⅝ in. throw
latch bolt

Office and Vestibule Doors

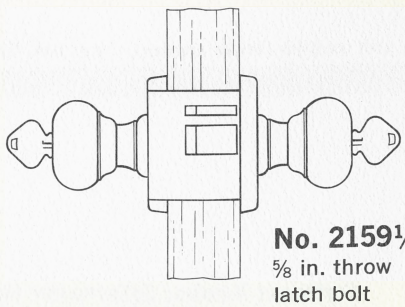
Latch bolt by knob either side except when outside knob is locked by stop button; then latch bolt by key outside and by knob inside. When outside knob is rigid stop is deadlocked; stop can be released only when latch bolt is held retracted by inside knob. Auxiliary latch deadlocks latch bolt.



No. 2159
⅝ in. throw
latch bolt

Classroom Doors

Latch bolt by knob either side except when outside knob is locked by key; then latch bolt by knob only inside. Key controls outside knob only and does not withdraw latch bolt. Auxiliary latch deadlocks latch bolt.

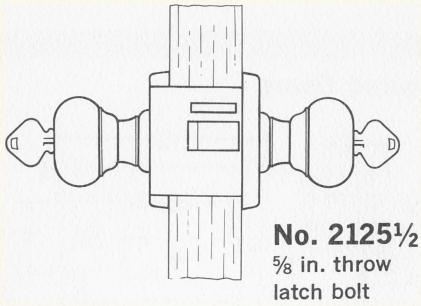


No. 2159½
⅝ in. throw
latch bolt

Entrance Doors to Apartment Houses, Public Buildings, Office Toilets, Rest Rooms, Classrooms

Latch bolt by knob either side except when outside knob is locked by master or grand master key through the inside cylinder; then latch bolt by change or master key outside and by knob inside. Auxiliary latch deadlocks latch bolt. This lock is recommended for double doors.

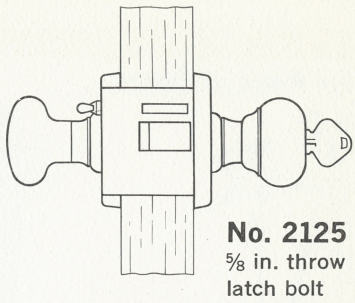
SPECIFY NUMBER (Pages 6, 7), DESIGN (Pages 4, 5), HAND, DOOR THICKNESS AND FINISH



No. 2125½
⅝ in. throw
latch bolt

Entrance and Communicating Doors

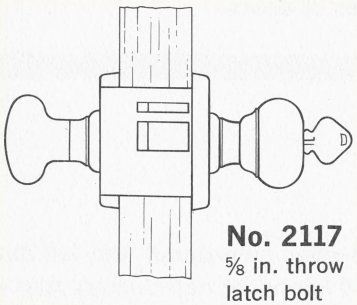
Latch bolt by knob either side. Dead bolt by key either side. Dead bolt ½ in. throw.



No. 2125
⅝ in. throw
latch bolt

Entrance and Storeroom Doors

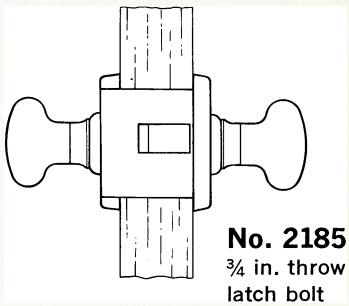
Latch bolt by knob either side. Dead bolt by key outside and by turn piece inside. Dead bolt ½ in. throw.



No. 2117
⅝ in. throw
latch bolt

Storeroom and Closet Doors

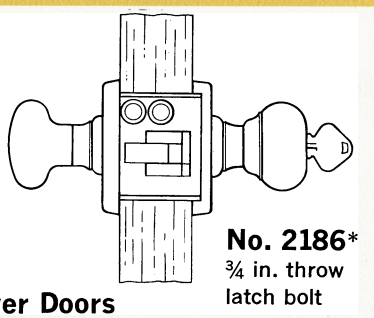
Latch bolt by key outside and by knob inside. Outside knob always rigid. Auxiliary latch deadlocks latch bolt.



No. 2185
¾ in. throw
latch bolt

Fire Tower Doors

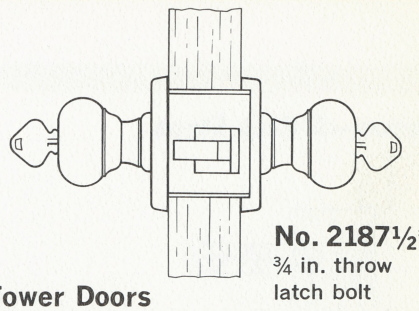
Latch bolt by knob either side.



No. 2186*
¾ in. throw
latch bolt

Fire Tower Doors

Latch bolt by knob either side except when outside knob is locked by stop button, then latch bolt by key outside. Latch bolt is slide type with anti-friction latch insuring easy action. Lock furnished with recessed front, preventing manipulation of latch bolt and stop.



No. 2187½*
¾ in. throw
latch bolt

Fire Tower Doors

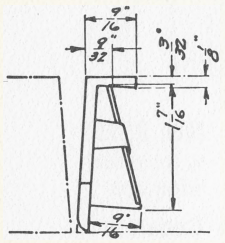
Latch bolt by knob either side except when outside knob is locked by master key through inside cylinder. Then latch bolt by change or master key outside and knob inside. Change or master key will operate outside cylinder but only master key will operate inside cylinder, unless otherwise specified. Lock furnished with recessed front preventing manipulation of latch bolt which is slide type with anti-friction latch, insuring easy action.

*Applicable for doors with stops to ¾ in. Minimum stile of 5½ in. required for Modera, Era and Turbo Designs only. Full size detail of jamb for correct application of strike should be submitted when ordering locks 2186 and 2187½.

Extra-heavy Duty UNIT® Locks

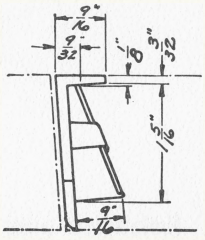
RUSSWIN Reg. U.S. Pat. Off. Marca Registrada

Strikes– for Pairs of Doors



V-Bevel Strike No. 19

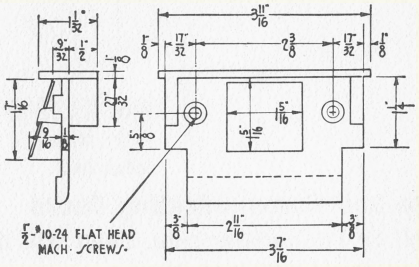
Available for doors with bevel forming a "V" between edge of doors. Specify strike number and bevel if other than ⅛ in. on 2 in.



Parallel Bevel Strike No. 20

Available for doors with beveled edges parallel. Specify strike number and bevel if other than ⅛ in. on 2 in.

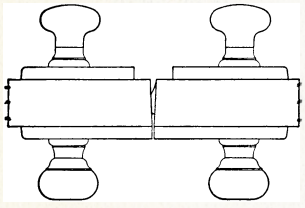
for Rabbeted Doors



UNIT locksets 2117, 2145, 2157 and 2186 only may be obtained with strikes for doors with ½ in. rabbet.

Prefix letter **R** to lock number and submit detail of meeting stiles of doors.

Dummy Trim

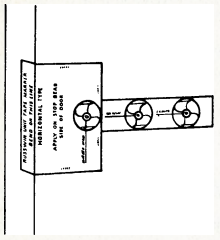


All numbers and designs can be furnished when so ordered with full dummy trim consisting of two escutcheons and two rigid knobs, or half dummy trim consisting of one escutcheon and one rigid knob.

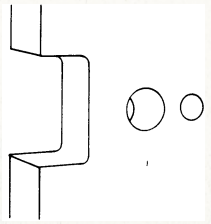
To order, specify design and prefix DT to lock number for full dummy trim and ½DT to lock number for half dummy trim. When ordering for pairs of doors prefix symbol to each lock number as desired, i.e., 2157 x DT 2157. Enf.

Dummy trim regularly furnished plain knob. Can be furnished with dummy cylinder when so specified.

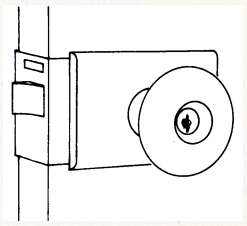
Installation—3 Easy Steps



1. Mark the door as outlined on the template furnished with each lock.

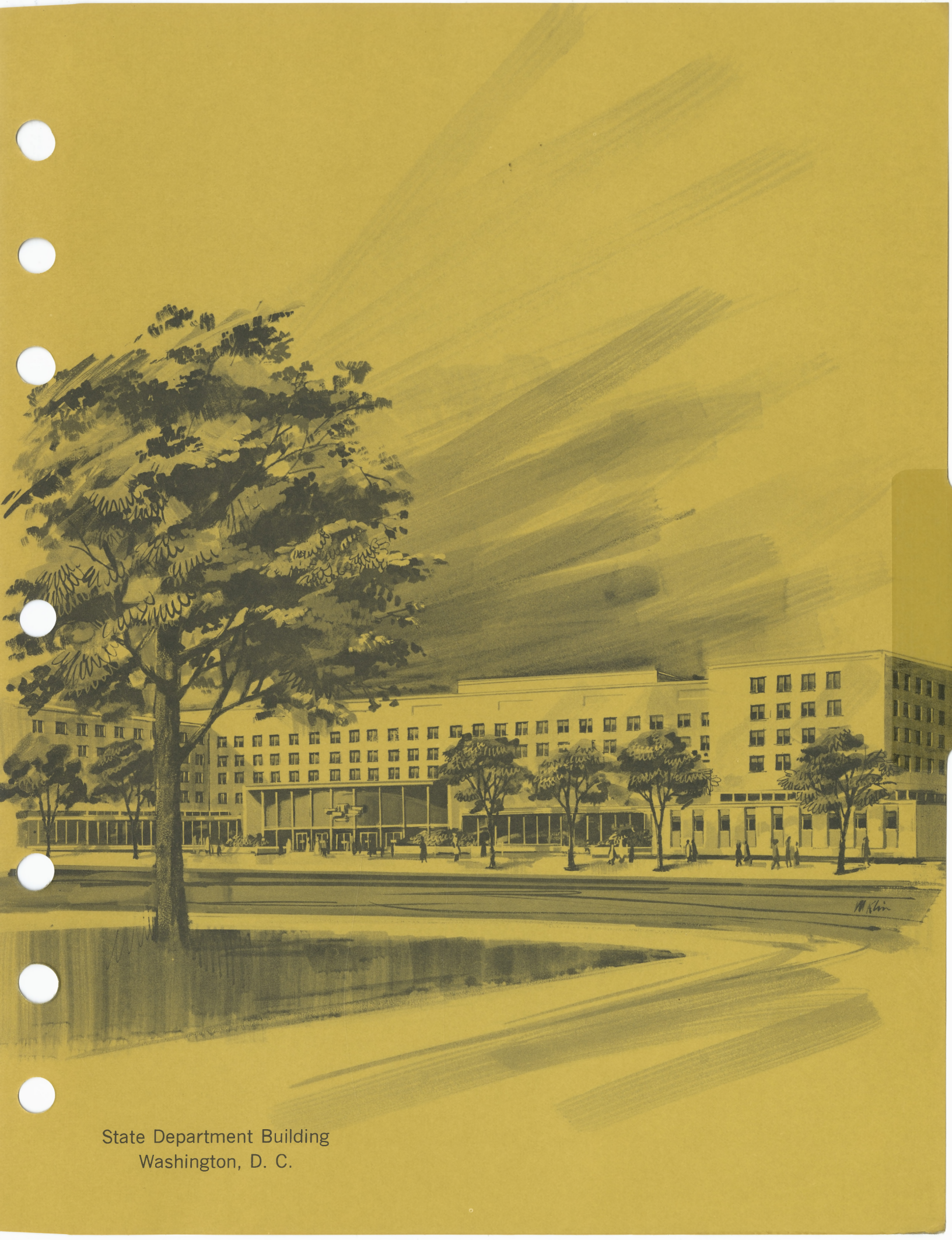


2. Bore two holes and make cutout of only 1⅞ in. in stile. This does not materially weaken the door since a strong section of wood remains between cut-out and knob hole. Manufacturers of metal doors should reinforce stile at this point.



3. Apply lock in door and tighten through bolts and screws to complete installation.

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

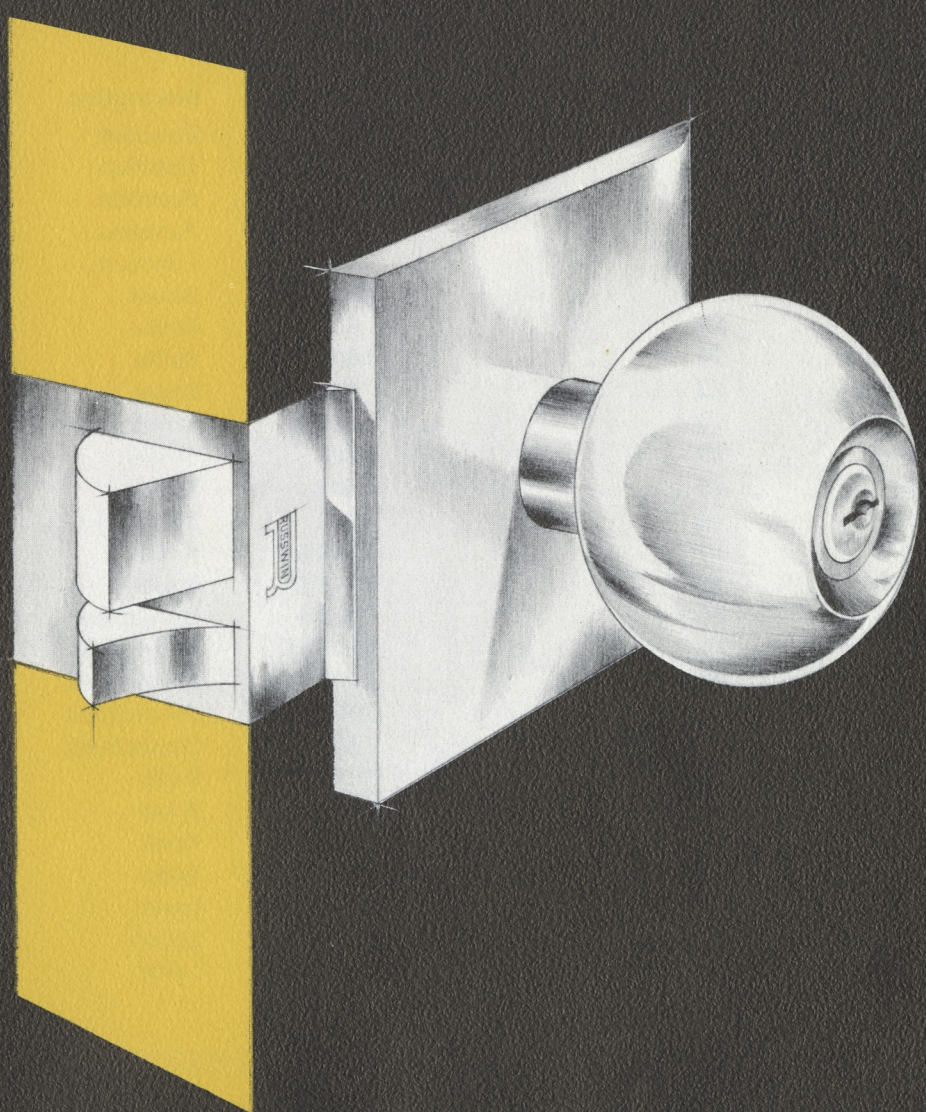


State Department Building
Washington, D. C.

2 UNILOC LOCKSETS

RUSSWIN

HEAVY DUTY UNILOC LOCKSETS



UNILOC Locksets

Alphabetical Index

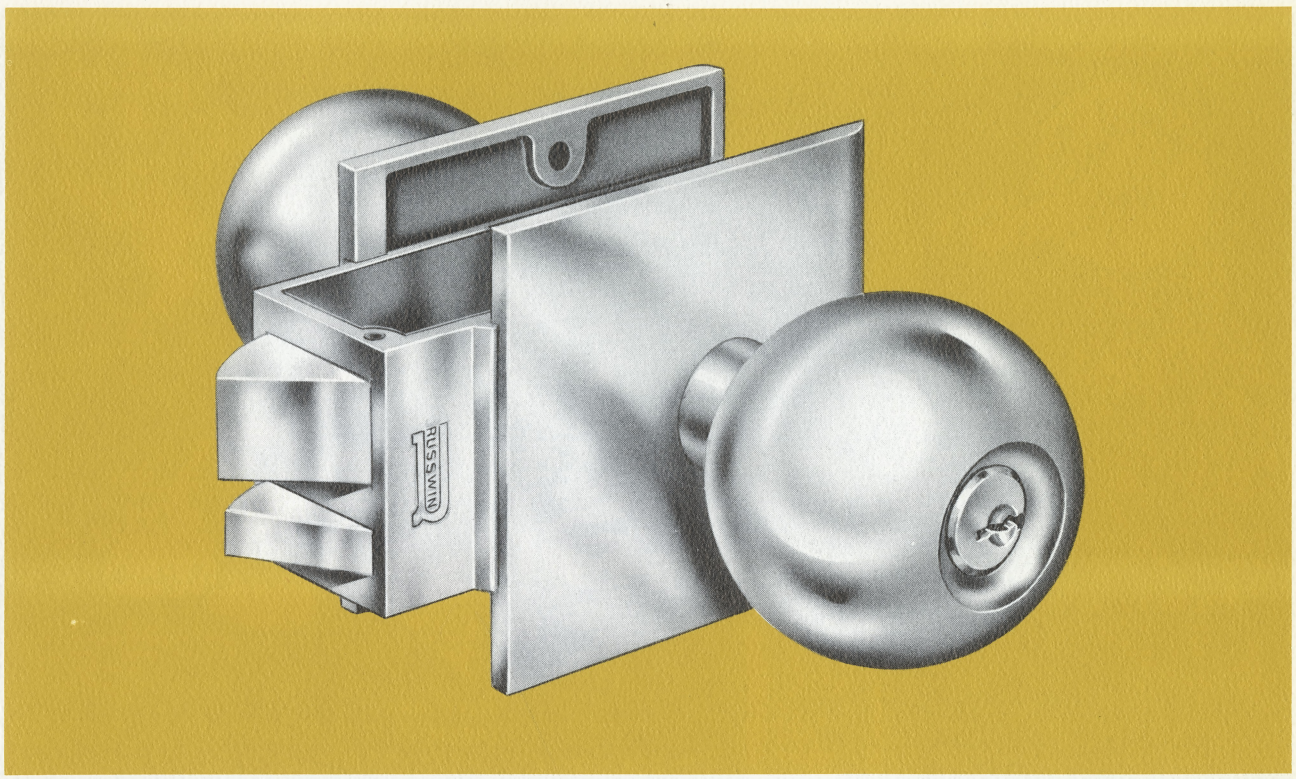
Description	Page	Description	Page
Aloha design	14	Koa design	19
Avon design	17	Modera design	13
Beaulev design	15	Moderalev design	14
Carmel design	16	Mono design	15
Cylinders	23	Mystic design	18
Del Ray design	18	Rosewood design	19
Designs	13-19	Specifications	12
Dummy trim	24	Stowe design	17
Eaton design	17	Strikes	23
Era design	13	Surry design	18
Futura design	16	Turbo design	13
General information	11	Unilev design	14
Installation	11	Unity design	16

Numerical Index

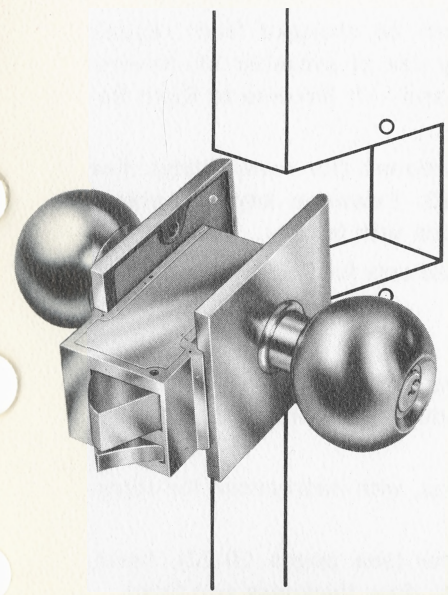
Number	Description	Page	Number	Description	Page
144F15	Cylinder	23	550½	Function	22
144F16	Cylinder	23	551⅝	Function	22
144F17	Cylinder	23	552	Function	22
146F51	Cylinder	23	553	Function	22
146F52	Cylinder	23	563	Function	22
146F53	Cylinder	23	A605	Strike	23
½D500	Dummy trim	24	605-OB	Strike	23
D500	Dummy trim	24	A606	Strike	23
SJ-0500	Jig and Saw	23	615	Strike	23
510	Function	19	615D	Strike	23
514	Function	19	2605	Strike	23
520	Function	19	2606	Strike	23
ER521	Function	19	3842	Knob	16, 17, 18
522	Function	19	3842¼	Knob	16, 17, 18
524	Function	20	3942¼	Knob	14
525	Function	20	3953½	Escutcheon	13, 16, 17, 19
525½	Function	20	3953½L	Escutcheon	14, 15
528	Function	20	3953⅝	Escutcheon	15, 17,
533EM	Function	20	3953⅝L	Escutcheon	15
533HM	Function	20	3953⅞	Escutcheon	16, 18
539	Function	21	3962	Knob	13, 16
540	Function	21	3962⅛	Knob	13, 15
540⅝	Function	21	3962¼	Knob	16
H540⅝	Function	21	4742	Knob	19
546	Function	21	60058	Lever	14
546½	Function	21	60059	Lever	15
548½	Function	22	60060	Lever	14

UNILOC is a trdemark of Russwin, Division of Emhart Corporation, New Britain, Conn.

RUSSWIN



RUSSWIN UNILOC Locksets — Preassembled by the Factory, Go On The Door As They Come Out of the Box. No Disassembly.



Good looking — good lockmaking, everything about Russwin Unilocs reflects the craftsman's care for perfection; from their dramatic styling to their engineered precision, from their extremely rugged parts to their economical, trouble-free installation. Designed and constructed as a completely-assembled factory unit—with no disassembling of locks, knobs or escutcheons — they not only save time, but they also eliminate any chance of misapplication or misalignment of parts. Available in a wide variety of designs, materials, finishes.

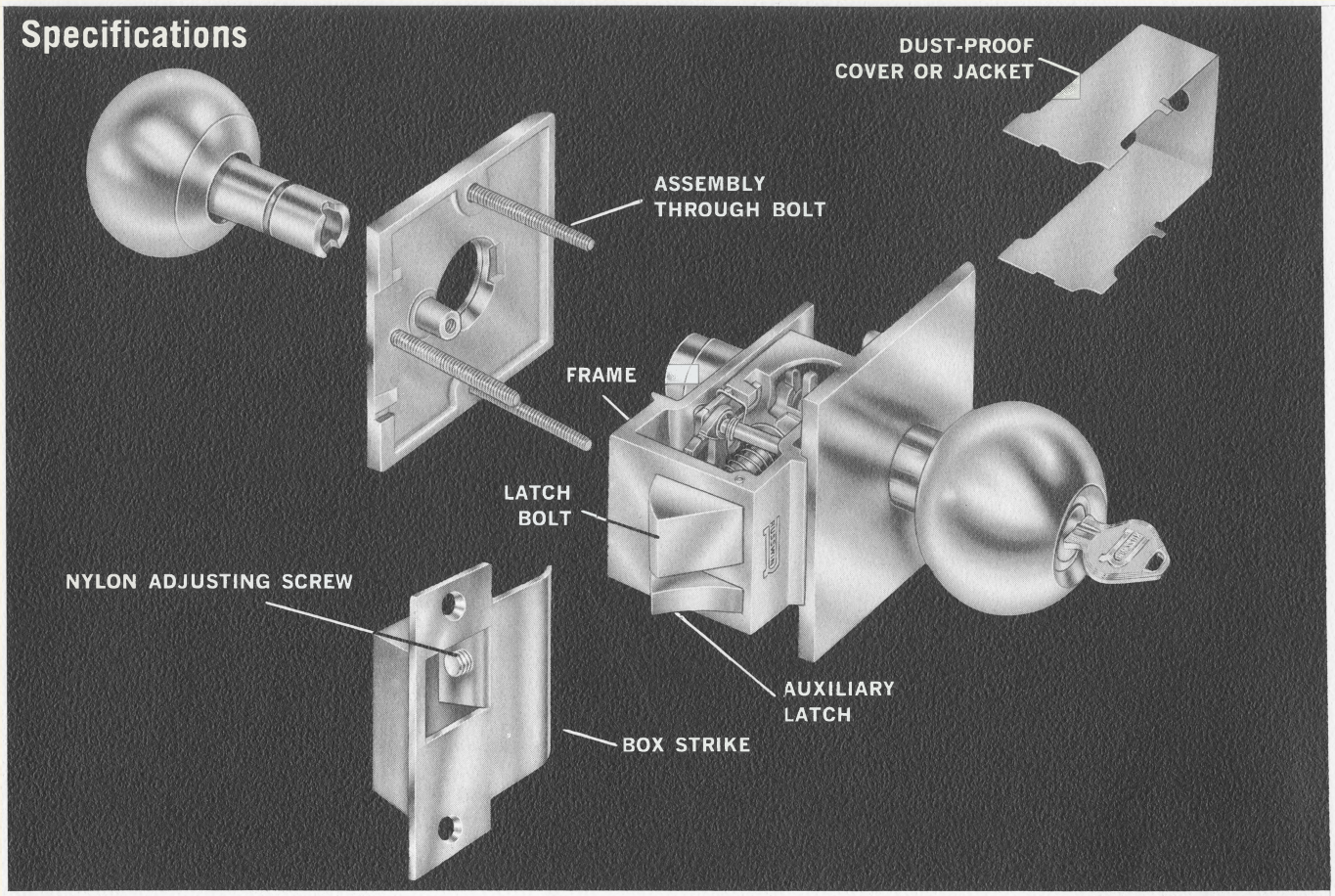
Distinctive UNILOC Features:

- Fast, Economical Installation — only a notch cut in the stile and the drilling of two holes are needed. The one-piece lock is then slipped into place and secured to the door by three thru bolts.
- Generous bearing surfaces provide long lock life. Designed and built to last for the life of the building.
- Easy, Quiet, Positive Action — all lock frames, knobs, escutcheons and bolts are made of non-ferrous metals with pivoted type latch bolts.
- Safe, Secure — Unilocs include an auxiliary latch to guard against forcing of the latch bolt.

Designed for High-Frequency Service, UNILOC Locksets "Belong" in Schools, Hospitals, Commercial, Institutional and Industrial Buildings.

UNILOC Locksets

Specifications



Frame: One-piece extruded brass. 1⅜ or 1¾ x 3 15/32 in. (Finished to match aluminum when required.)

Knobs: See pages 13 to 19.

Escutcheons: See pages 13 to 19.

Front: Flat for 1⅜ in. doors; beveled ⅛ in. on 2 in. for 1¾ in. doors. Available for 1¾ in. bull nose doors. When ordering, prefix B to number, i.e., B540, etc.

Latch Bolt: Extruded brass, pivoted swinging type with ¾ in. throw regular for 1¾ in. doors and ⅝ in. throw regular for 1⅜ in. doors.

Auxiliary Latch: Deadlocks latch bolt, preventing manipulation when door is closed.

Adjusta-bolt Strike: For single doors only, wrought brass or bronze. Lip measured from stop to end of lip 1¾ in. for 1⅜ in. doors; 2⅛ in. for 1¾ in. doors. Can be furnished 2½ or 3 in. when required.

Latch bolt clearance adjustment is made by turning nylon set screw out to increase clearance and in to take up excess clearance. See page 23 for illustration and listing of other strikes available.

Backset: 2¾ in. only.

Hand: Specify hand. Can be changed from regular bevel to reverse bevel by use of available kit. Reversible Left to Right Hand and Left Reverse to Right Reverse.

Cylinder: Horizontal positioned (for reversibility), five or six pins. See page 23. Extensive keying systems available upon consultation with factory.

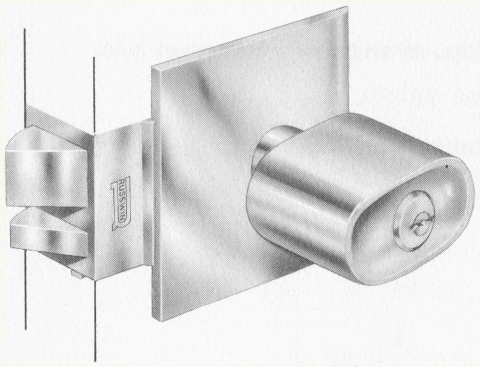
Door Thickness: Furnished only for 1⅜ or 1¾ in. doors. Specify thickness.

Keys: Two, nickel-silver.

Master-keying: Can be master-keyed in sets as desired with other Russwin cylinders. For Construction Master Key see page 172.

Packing: One lock in a box, with instructions for applying.

Ordering: Specify number (see pages 19-22), hand, design (see pages 13-19), door thickness and finish.

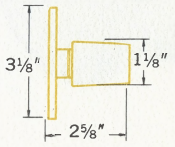


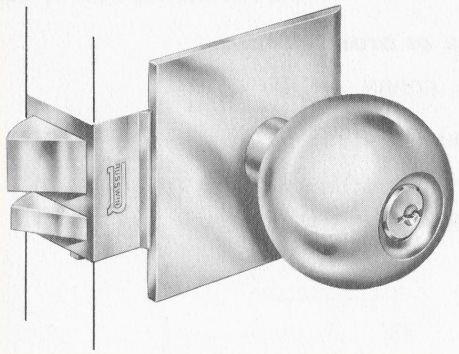
Era

cast brass, bronze or aluminum trim

Knobs: No. 3962 1/8, 2 1/8 x 1 1/8 in.

Escutcheons: No. 3953 1/2, 3 1/8 x 3 1/2 in.



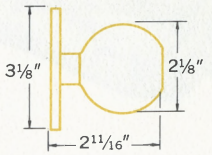


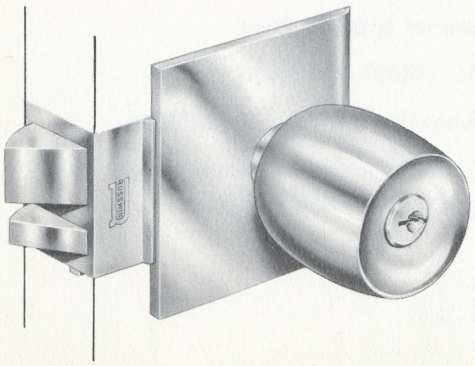
Modera

cast brass, bronze or aluminum trim

Knobs: No. 3962 1/8

Escutcheons: No. 3953 1/2, 3 1/8 x 3 1/2 in.



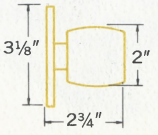


Turbo

cast brass, bronze or aluminum trim

Knobs: No. 3962

Escutcheons: No. 3953 1/2, 3 1/8 x 3 1/2 in.

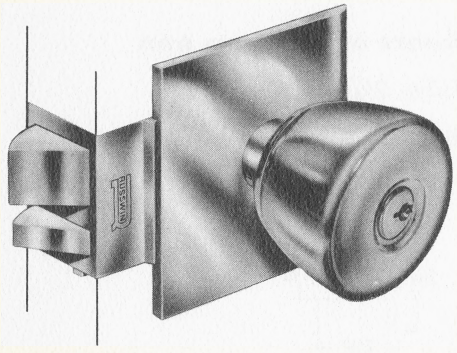


packing and weights (brass, approx):
1 per box, 4½ lbs.

projection shown applies to 1¾" doors.
Add 3/16" for 1⅜" doors.

SPECIFY NUMBER (Pages 19-22), DESIGN (Pages 13-19), HAND, DOOR THICKNESS AND FINISH

UNILOC Locksets

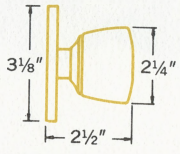


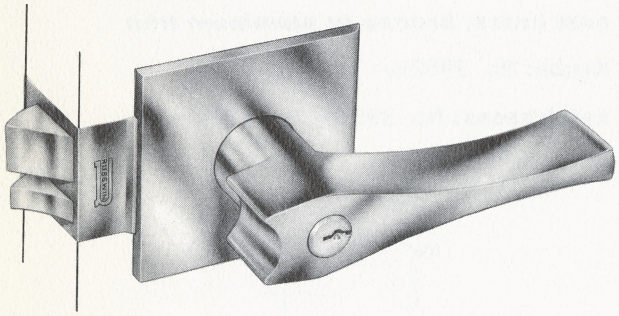
Aloha

cast brass, bronze or aluminum trim

Knobs: No. 3942¼

Escutcheons: No. 3953½, 3⅛ x 3½ in.





Unilev

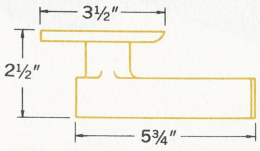
not reversible, specify hand

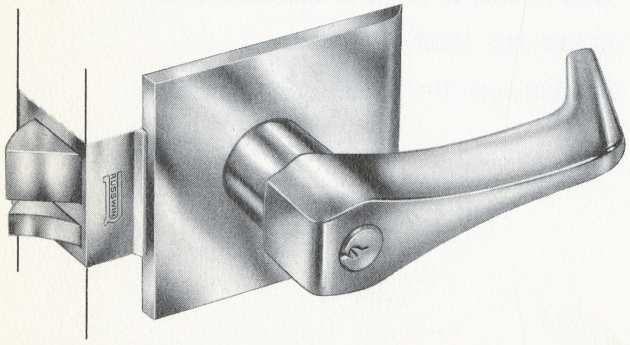
cast brass or bronze trim

Levers: No. 60058, 5$\frac{3}{16}$ x 1 in.

Escutcheons: No. 3953½L, 3⅛ x 3½ in.

Prefix "L" to function number (pages 19-22) when ordering locksets in this design.





Moderalev

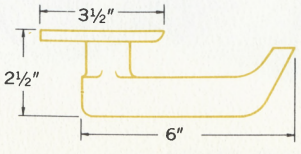
not reversible, specify hand

cast brass or bronze trim

Levers: No. 60060, 6 x 1⅜ in.

Escutcheons: No. 3953½L, 3⅛ x 3½ in.

Prefix "L" to function number (pages 19-22) when ordering locksets in this design.

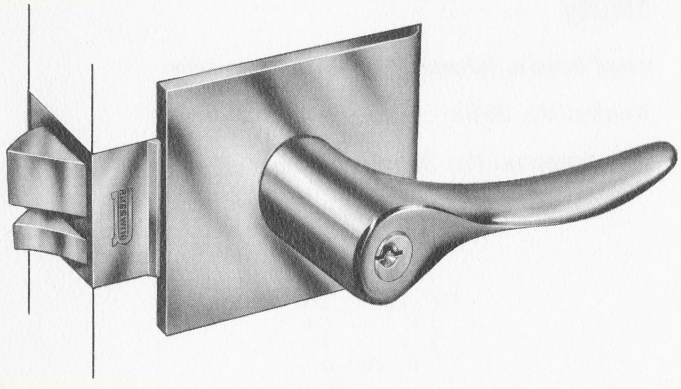


packing and weights (brass, approx): 1 per box, 4½ lbs.

Projection shown applies to 1¾" doors. Add $\frac{3}{16}$" for 1⅜" doors.

Lever handle designs on this page can be furnished with regular knob and escutcheon on one side (either outside or inside). When ordering specify number, design and location (outside or inside) of lever handle; design of knob and escutcheon; hand and thickness of door; i.e., 540 Beaulev (outside) x Bristol knob, Unity esc. x 1¾ R.H.R. door.

Royalev



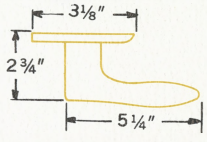
not reversible, specify hand

cast brass or bronze trim

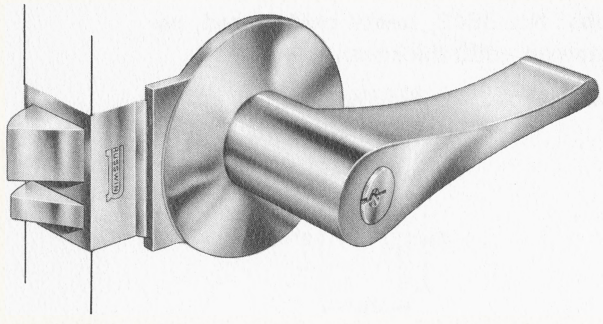
Levers: No. 60061, 5¼ x 1¼ in.

Escutcheons: No. 3953½L, 3⅛ x 3½ in.

Prefix "L" to function number (pages 19-22) when ordering locksets in this design.



Beaulev



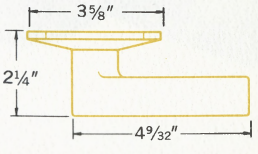
not reversible, specify hand

cast brass or bronze trim

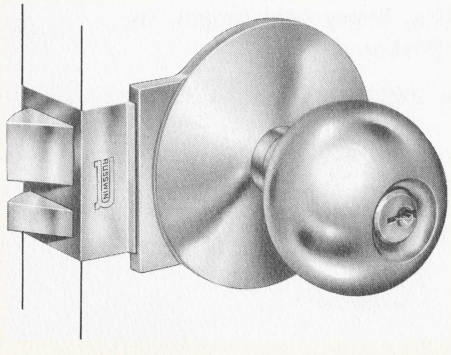
Levers: No. 60059, 4⁹⁄₃₂ x 1¼ in.

Escutcheons: No. 3953⅝L

Prefix "L" to function number (pages 19-22) when ordering locksets in this design.



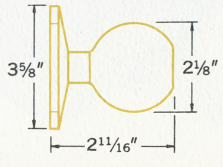
Mono



cast brass, bronze or aluminum trim

Knobs: No. 3962⅛

Escutcheons: No. 3953⅝

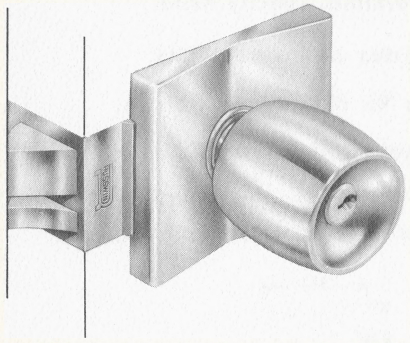


packing and weights (brass, approx): 1 per box, 4½ lbs.

Projection shown applies to 1¾" doors. Add 3⁄16" for 1⅜" doors.

Lever handle designs on this page can be furnished with regular knob and escutcheon on one side (either outside or inside). When ordering specify number, design and location (outside or inside) of lever handle; design of knob and escutcheon; hand and thickness of door; i.e., 540 Beaulev (outside) x Bristol knob, Unity esc. x 1¾ R.H.R. door

UNILOC Locksets

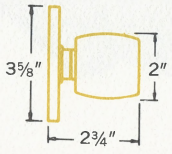


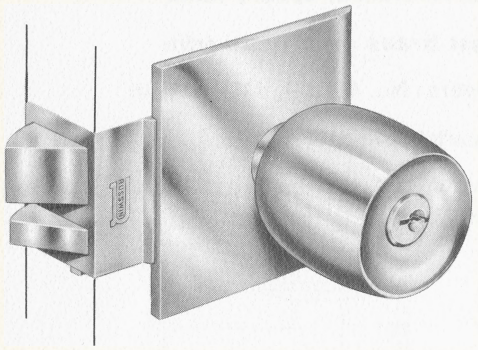
Unity

cast brass, bronze or aluminum trim

Knobs: No. 3962

Escutcheons: No. 3953⅞, 3⅝ x 3⅞ in.



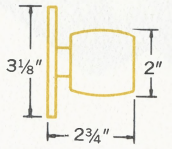


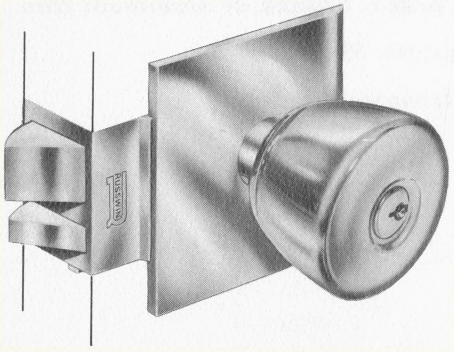
Futura

brass, bronze, aluminum or stainless steel trim

Knobs: No. 3842, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953½, cast, 3⅛ x 3½ in.



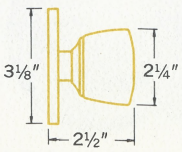


Carmel

brass, bronze, aluminum or stainless steel trim

Knobs: No. 3842¼, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953½, cast, 3⅛ x 3½ in.



packing and weights (brass, approx): 1 per box, 4½ lbs.

projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

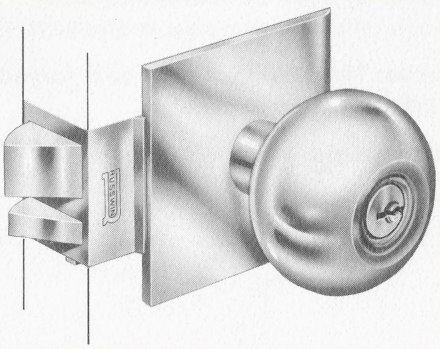
SPECIFY NUMBER (Pages 19-22), DESIGN (Pages 13-19), HAND, DOOR THICKNESS AND FINISH

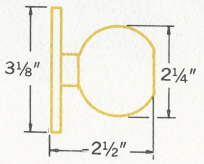
Eaton

brass, bronze, aluminum or stainless steel trim

Knobs: No. 3842¼, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953½, cast, 3⅛ x 3½ in.



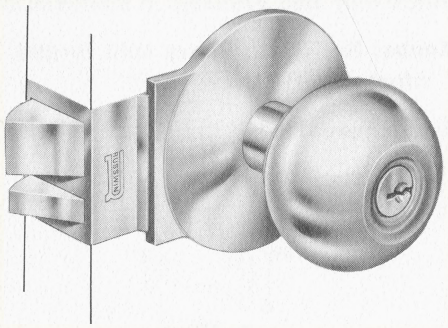


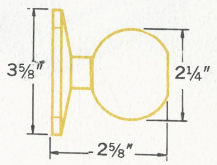
Stowe

brass, bronze or aluminum trim
(Knob only also available in stainless steel)

Knobs: No. 3842¼, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953⅝, cast



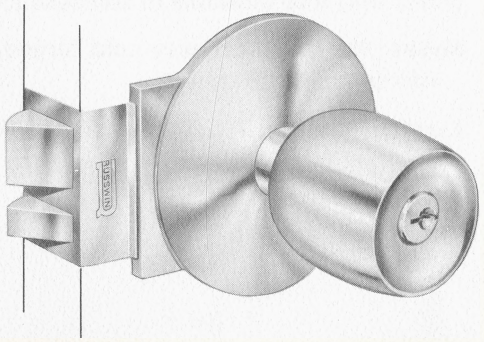


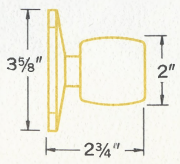
Avon

brass, bronze or aluminum trim
(Knob only also available in stainless steel)

Knobs: No. 3842, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953⅝, cast

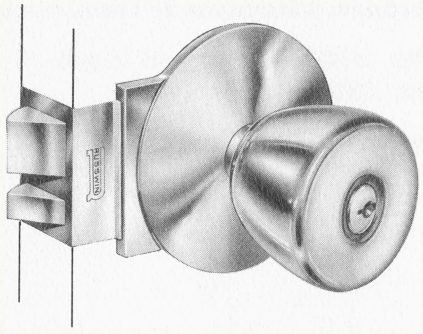




packing and weights (brass, approx): 1 per box, 4 lbs.

projection shown applies to 1¾″ doors. Add 3/16″ for 1⅜″ doors.

UNILOC Locksets

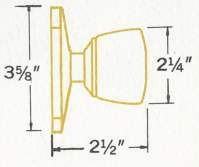


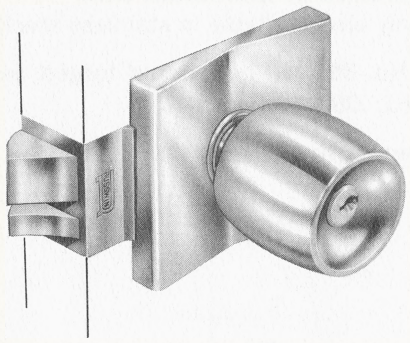
Mystic

brass, bronze or aluminum trim
(Knob only also available in stainless steel)

Knobs: No. 3842¼, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953⅝, cast



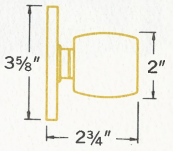


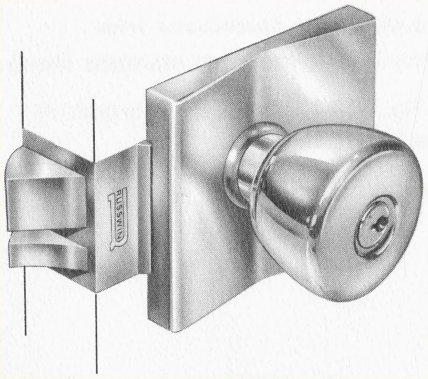
Del Ray

brass, bronze or aluminum trim
(Knob only also available in stainless steel)

Knobs: No. 3842, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953⅞, cast, 3⅝ x 3⅞ in.



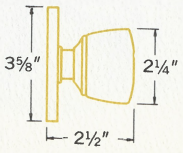


Surry

brass, bronze or aluminum trim
(Knob only also available in stainless steel)

Knobs: No. 3842¼, heavy cold forged, reinforced, .080 thickness

Escutcheons: No. 3953⅞, cast, 3⅝ x 3⅞ in.



packing and weights (brass, approx): 1 per box 4 lbs.

Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

SPECIFY NUMBER (Pages 19-22), DESIGN (Pages 13-19), HAND, DOOR THICKNESS AND FINISH

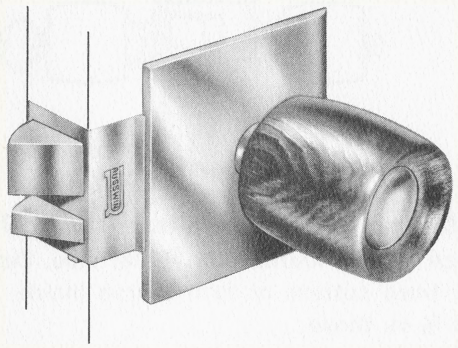
Rosewood

Available only in non-key knobs.

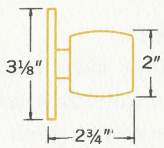
Knobs: No. 4742, rosewood, buffed fin.

Escutcheons: No. 3953½, cast brass, bronze, aluminum, or stainless steel, 3⅛ x 3½ in.

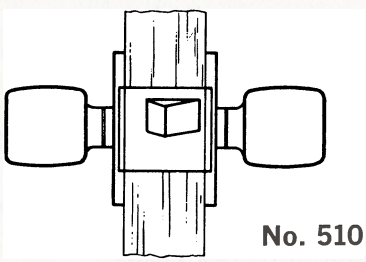
Other wood designs available: Koa design



These wood knobs also available in all other Uniloc designs; specify knob x escutcheon i.e., Rosewood Knob x Unity esc., etc.



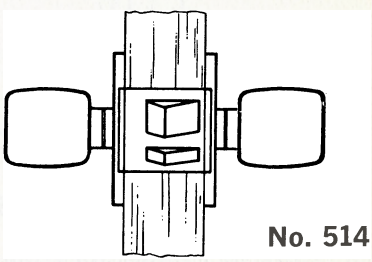
Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.



No. 510

Passage or Closet Doors

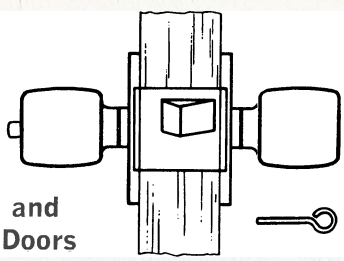
Latch bolt by knob either side. Each knob always free.



No. 514

Exit Doors

Latch bolt by knob inside only. Outside knob rigid. Auxiliary latch deadlocks latch bolt.

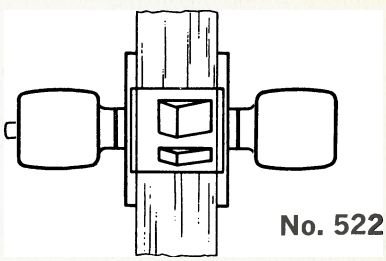


No. 520, ER521

Bathroom and Bedroom Doors

520 — Latch bolt by knob either side. Inside knob always free. Push button locks outside knob. Push button and outside knob released by turning inside knob or closing door . . . also released by emergency key through outside knob.

ER521 — Same as above except released by spindle protruding from outside knob instead of by emergency key.

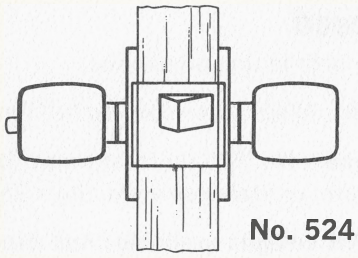


No. 522

Exit and Privacy Doors

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. Turning inner knob or closing door releases push button and outside knob. Auxiliary latch deadlocks latch bolt.

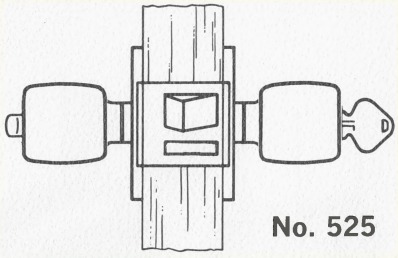
UNILOC Locksets



No. 524

Exit and Privacy Doors

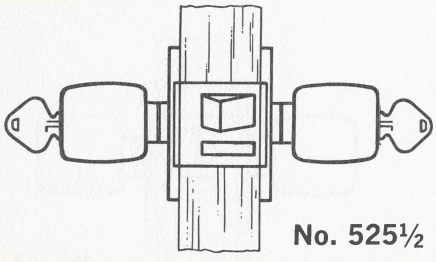
Latch bolt by knob either side. Inside knob always free. Push button locks outside knob. Turning inner knob or closing door releases push button and outside knob.



No. 525

Entrance, Store or Communicating Doors

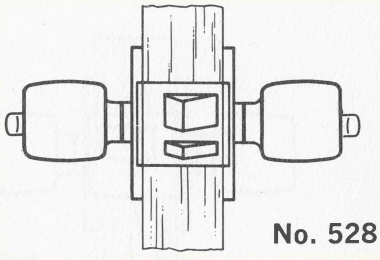
Latch bolt by knobs from either side. Dead bolt by key from outside or turn button inside. Dead bolt has 5/8 in. throw.



No. 525½

Entrance, Store or Communicating Doors

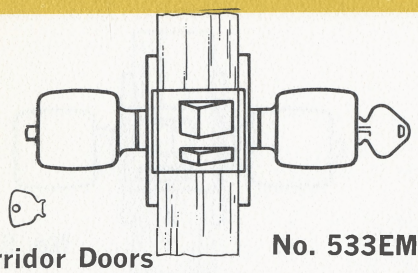
Latch bolt by knobs from either side. Dead bolt by key from either side. Dead bolt has 5/8 in. throw.



No. 528

Communicating Doors

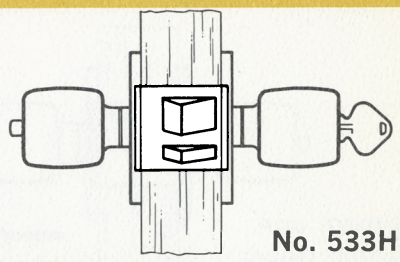
Latch bolt by knob either side. Turn button in either knob locks or unlocks opposite knob. To prevent accidental lockout, this lock should not be used on doors between rooms which have no other entrance. Auxiliary latch deadlocks latch bolt.



No. 533EM

Hotel Corridor Doors

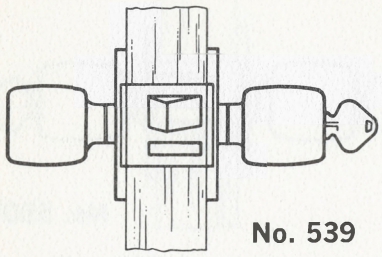
Latch bolt by key only outside and knob inside. Outside knob always rigid. Push button prevents use of all keys except emergency key and throws out visual occupancy indicator in cylinder face. Turning inside knob or closing door releases shutout mechanism and retracts visual occupancy indicator unless button has been fixed with spanner key in locked position. Auxiliary latch deadlocks latch bolt.



No. 533HM

Hotel and Stateroom Doors

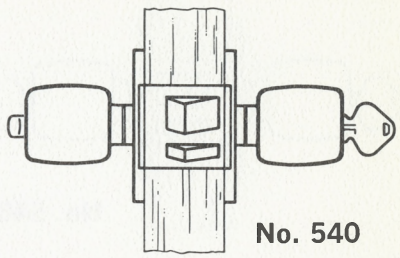
Latch bolt by key only outside and knob inside. Outside knob always rigid. Push button prevents use of all keys except emergency key and throws out visual occupancy indicator in face of cylinder. Either closing door or turning inside knob will release the shutout mechanism and retract the visual occupancy indicator. Auxiliary latch deadlocks latch bolt.



No. 539

Closet or Communicating Doors

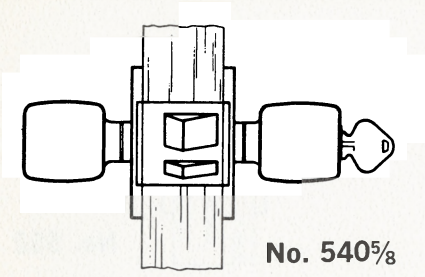
Latch bolt by knobs from either side. Dead bolt by key from outside only. Dead bolt has 5/8 in. throw.



No. 540

Entrance and Office Doors

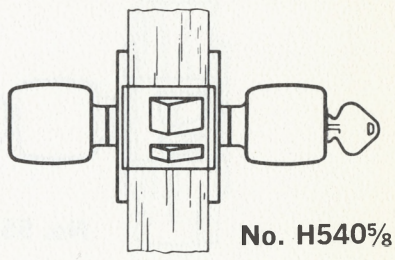
Latch bolt by knob either side. Inside knob always free. Turn button locks outside knob. Key retracts latch bolt when outside knob is locked. Auxiliary latch deadlocks latch bolt.



No. 540 5/8

Classroom Doors

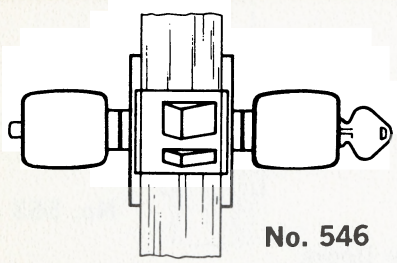
Latch bolt by knob either side. Inside knob always free. Outside knob locked by key in outside knob. Auxiliary latch deadlocks latch bolt.



No. H540 5/8

Classroom Doors

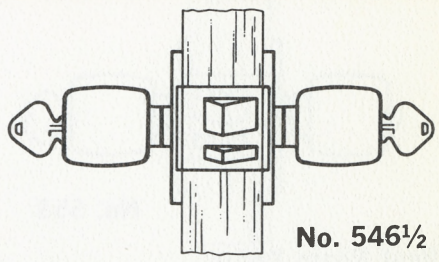
Same as 540 5/8 except latch bolt may be held retracted by retracting latch bolt by means of outside knob and locking in this position by a full turn of key.



No. 546

Inner Office and Privacy Doors

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. Turning inside knob or turning key in outside knob releases push button. Closing door does not release push button. Auxiliary latch deadlocks latch bolt.

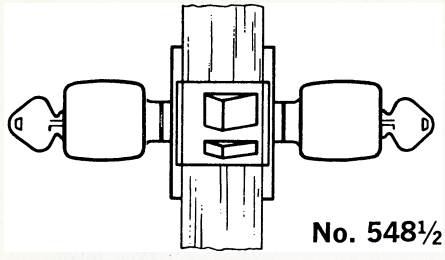


No. 546 1/2

Entrance Doors of Apartment Houses, Public Buildings, Office Toilets, Rest Rooms, Classrooms

Latch bolt by knob either side. Inside knob always free. Outside knob locked by key in inside knob. Key in outside knob retracts latch bolt when outside knob is locked. Auxiliary latch deadlocks latch bolt.

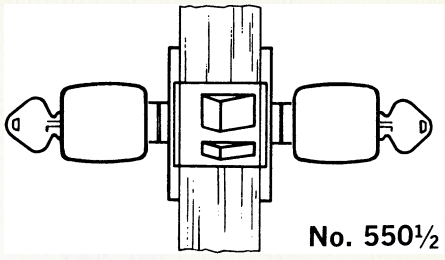
UNILOC Locksets



No. 548½

Store Doors

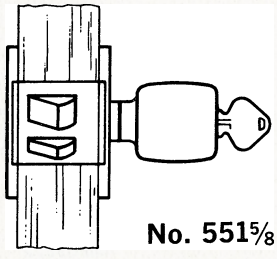
Latch bolt by knob either side except when both knobs are locked simultaneously by key in either knob. When both knobs are locked from either side, key from either side will unlock both knobs. Auxiliary latch deadlocks latch bolt.



No. 550½

Communicating Hotel or Office Doors

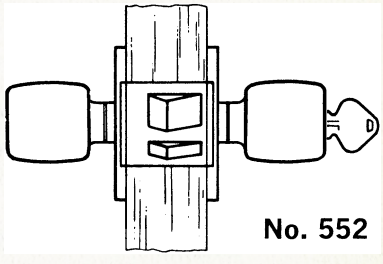
Latch bolt by knob from either side. Key in each knob locks or unlocks opposite knob. Auxiliary latch deadlocks latch bolt. To prevent accidental lockout, this lock should not be used on doors between rooms which have no other entrance.



No. 551⅝

Institution, Double Communicating Doors in Hotel Suites, Pipe Shaft Doors and Flush Inside Closet Doors

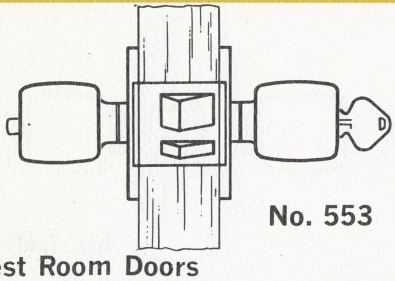
Latch bolt by outside knob. Outside knob deadlocked by turn of key in outside knob. No operation from inside. Auxiliary latch deadlocks latch bolt.



No. 552

Storeroom and Closet Doors

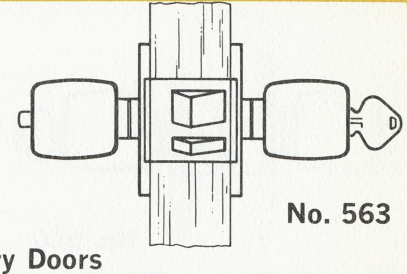
Latch bolt by inside knob only. Outside knob rigid. Latch bolt retracted by key in outside knob. Auxiliary latch deadlocks latch bolt.



No. 553

Public Rest Room Doors

Latch bolt by key from outside at all times and by knob either side except when outside knob is locked by push button in inside knob or by ¼ clockwise turn of key in outside knob. Inside knob always free. When locked by push button a turn of inside knob, closing door or ¼ counterclockwise turn of key in outside knob releases locking button. When locked by key, locking mechanism can only be released by ¼ counterclockwise turn of key in outside knob. Auxiliary latch deadlocks latch bolt.



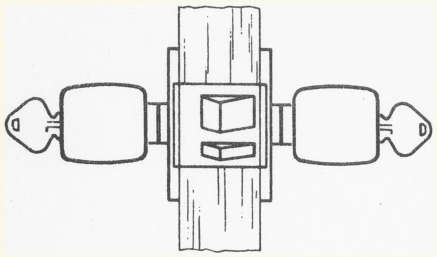
No. 563

Dormitory Doors

Latch bolt by key from outside at all times and by knob either side except when outside knob is locked by push button in inside knob or by ¼ clockwise turn of key in outside knob. Inside knob always free. When locked by key or push button; a turn of inside knob, closing door or ¼ counterclockwise turn of key in outside knob releases locking mechanism. Auxiliary latch deadlocks latch bolt.

TEMPORARY CATALOG PAGE 22A

ADDITIONAL UNILOC FUNCTION AND REPAIR KIT



No. 552-1/2

Institution Doors - Latch bolt by key from either side. Both knobs rigid. Auxiliary latch deadlocks latch bolt.

- - - - - - - - - - - - - - - -

Uniloc Repair Kit No. U5

Each kit consists of one each of the following items:

No. 3 Waldes Retaining Ring Pliers

Nos. E15, E18, E25 and E28 Waldes Ring Applicators

No. 144F17 Cylinder (used in all functions except Hotel)

Spindle sub-assembly with parts assembled and identified in sequence for functions 520, 522 and 524

Spindle sub-assembly with parts assembled and identified in sequence for function 540

Spindle sub-assembly with parts assembled and identified in sequence for function 540-5/8

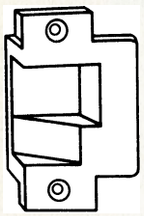
Spindle sub-assembly with parts assembled and identified in sequence for function 552

Spindle sub-assembly with parts assembled and identified in sequence for function 546

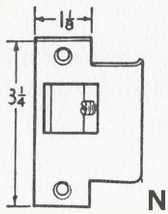
Spindle sub-assembly with parts assembled and identified in sequence for function 553

7/65

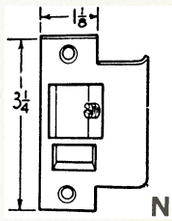
Strikes



Open back strike **No. 605-OB "V"** for V bevel and **No. 605-OB "S"** for straight face. Not available in parallel bevel. Cast brass, bronze (finished to match aluminum trim when required). Furnished only when ordered; size 3¼ x 1⅛ in.



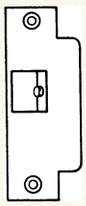
No. A605



No. A606

Adjusta-bolt wrought box strikes, standard for single doors only, not furnished for double doors. **No. A605** for latch bolt only. **No. A606** for latch and dead bolt. See page 12 for operation.

A.S.A strike



No. 615

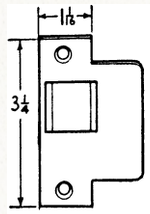
Adjustable strike A.S.A. standardized, wrought brass or bronze, furnished only when ordered (wrought box not available).

Size:

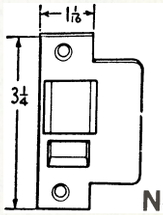
4⅞ x 1¼ in., 1¼ in. lip to center, limited to 1¾ in. doors and non-dead bolt functions.

Also available: **No. 615D** — same as 615 except for dead bolt functions only.

No. 533 electric door opener available for use with Uniloc locksets. See page 182.



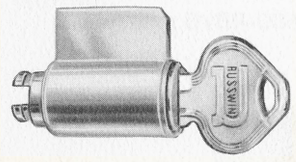
No. 2605



No. 2606

Wrought box strikes, standard for double doors only. Adjusta-bolt strike not furnished for double doors. **No. 2605** for latch bolt only, **No. 2606** for latch and dead bolt.

Cylinders



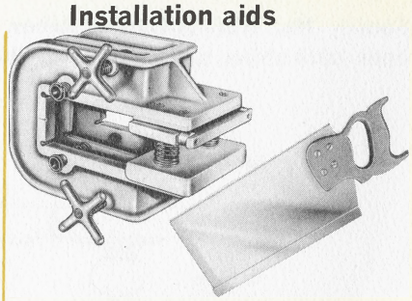
Regular No. 144F17
Masterkeyed No. 144F16
Master Ring No. 144F15
For use with all functions except 533EM and 533HM only.

Regular No. 146F53
Masterkeyed No. 146F52
Master Ring No. 146F51
For use with functions 533EM and 533HM only.

Following cylinders are available for replacement purposes in 600 series locksets (Uniloc's furnished before March 1, '64):

Lock Number	Regular Number		Master Key Number		Master Ring Number	
	Inside Cylinder	Outside Cylinder	Inside Cylinder	Outside Cylinder	Inside Cylinder	Outside Cylinder
625	none	61F13	none	61F12	none	61F11
625½	61F13	61F13	61F12	61F12	61F11	61F11
633EM	none	83F23	none	83F24	none	83F22
633HM	none	83F23	none	83F24	none	83F22
638	61F13	none	61F12	none	61F11	none
639	none	61F13	none	61F12	none	61F11
640	none	46F29	none	19F35	none	44F89
640⅝	none	61F13	none	61F12	none	61F11
H640⅝	none	61F13	none	61F12	none	61F11
H643½	61F13	46F29	61F12	19F35	61F11	44F89
646	none	69F89	none	69F88	none	69F87
646½	84F01	46F29	24F15	19F35	84F02	44F89
647	84F01	none	24F15	none	84F02	none
648½	69F73	61F13	69F72	61F12	69F71	61F11
650½	84F01	84F01	24F15	24F15	84F02	84F02
651	none	61F13	none	61F12	none	61F11
651⅛	none	61F13	none	61F12	none	61F11
652	none	46F29	none	19F35	none	44F89
652½	61F13	61F13	61F12	61F12	61F11	61F11
653	none	81F66	none	81F65	none	81F67
654	none	61F13	none	61F12	none	61F11

Installation aids



Mounting Jig and Saw Unit No. SJ-0500
Designed for accurate installation of "Unilocs". Full instructions packed with each Unit. When ordering individually specify 0500 for mounting jig and S-0500 for saw. CAUTION — Do not attempt to use ordinary saw with this jig.

UNILOC Locksets

Reg. U.S. Pat. Off.
Marca Registrada

Dummy Trim

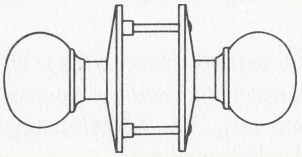
"Uniloc" locks are available as dummy trim in all designs. Specify design required.

When dummy trim for knob designs is desired as a door pull only (no strike), specify D500 for full dummy trim and ½D500 for half dummy trim.

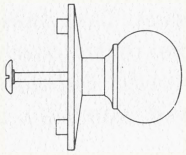
When dummy trim for lever handle designs is desired as a door pull only (no strike), specify DL500 for full dummy trim and ½DL500 for half dummy trim.

When dummy trim for all designs is desired with wrought box strike for pairs of doors, order as required from "for pairs of doors" listing below.

For Single Doors

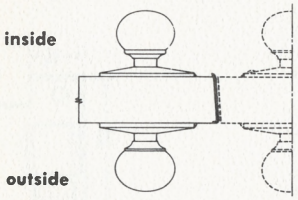


Full dummy trim
Specify **No. D500**

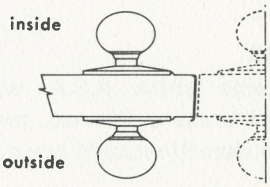


Half dummy trim
Specify **No. ½D500**

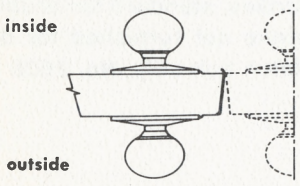
For Pairs of Doors (dotted outline represents active door and lock)



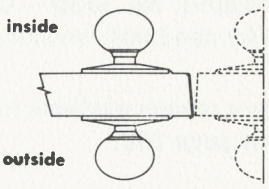
Regular parallel bevel for 1¾" doors only
Specify **No. WSD-500-RPB***



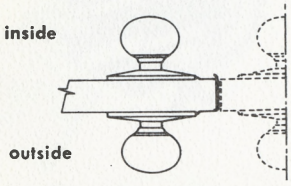
Reverse parallel bevel for 1¾" doors only
Specify **No. WSD-500-RBPB***



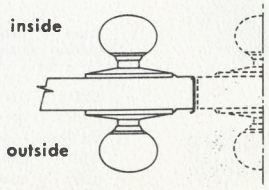
Regular V bevel for 1¾" doors only
Specify **No. WSD-500-RVB*** (when required with open-back strike, specify **No. D-500-RVB x 605-OB**)



Reverse V bevel for 1¾" doors only
Specify **No. WSD-500-RBVB*** (when required with open-back strike, specify **No. D-500-RBVB x 605-OB**)



Regular straight face for 1⅜" doors only
Specify **No. WSD-500-RSF*** (when required with open-back strike, specify **No. D-500-RSF x 605-OB**)



Reverse straight face for 1⅜" doors only
Specify **No. WSD-500-RBSF*** (when required with open-back strike, specify **No. D-500-RBSF x 605-OB**)

* These numbers apply to knob designs. For lever handle designs suffix L after WSD in any of the above, i.e., WSDL-500-RPB.

Working Trim: Uniloc locksets not available as working trim.

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

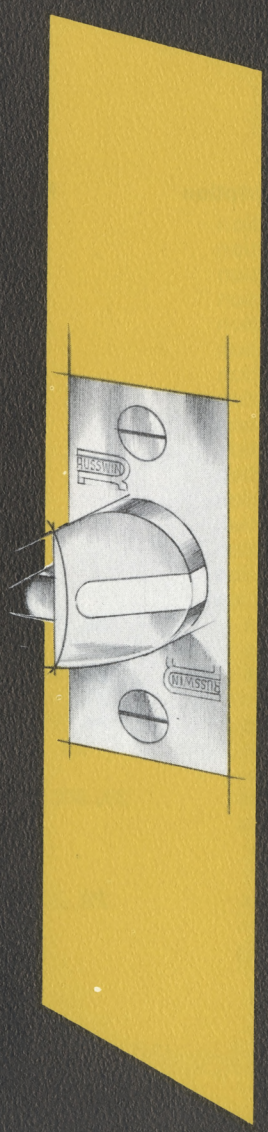


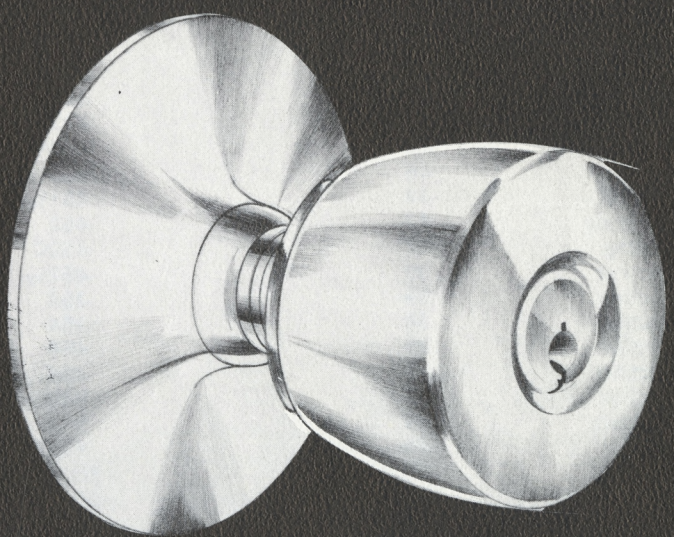
Bankers Trust Co.
New York, New York

3 STILEMAKER LOCKSETS

RUSSWIN

"Stilemaker" HEAVY DUTY CYLINDRICAL LOCKSETS





"Stilemaker" Heavy Duty Locksets

Alphabetical Index

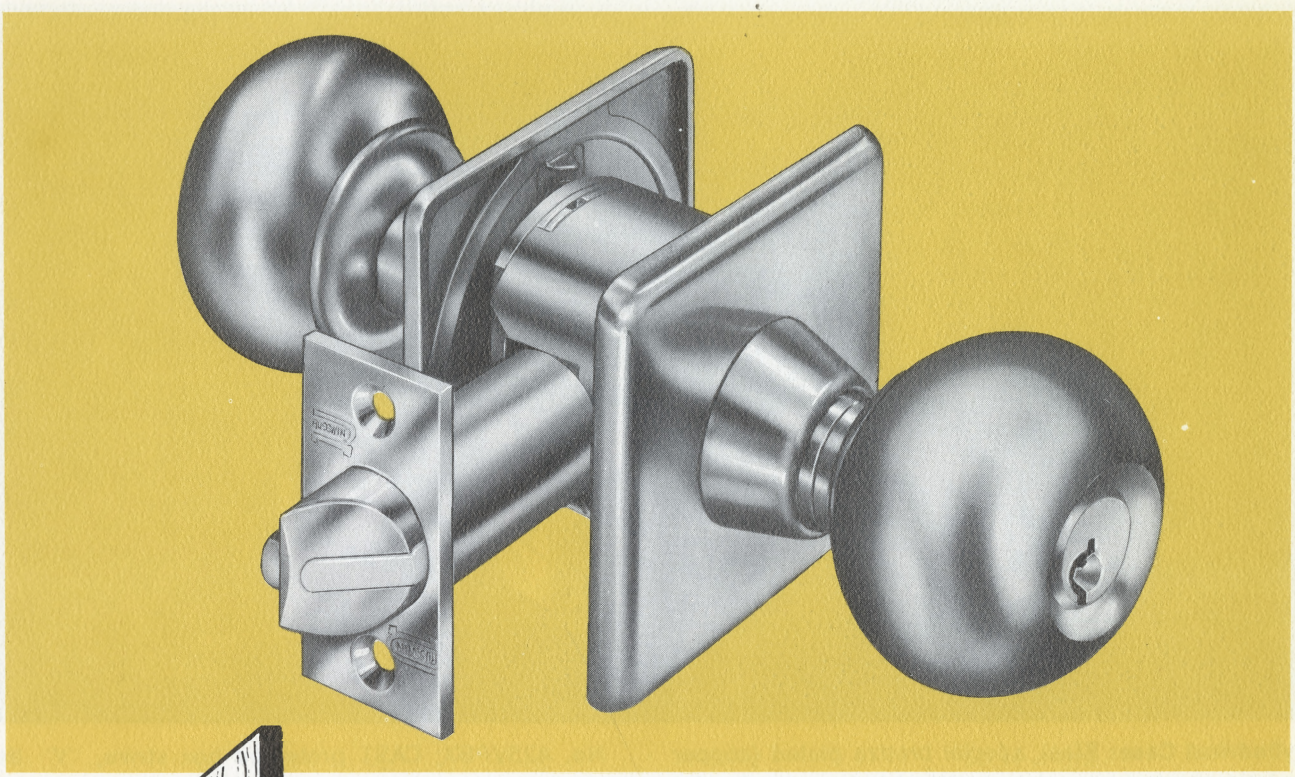
Description	Page
Boring Bit	47
Boring Jig	47
BriCo design	31
BriRoc design	33
Bristol design	29
BriTem design	32
Brunswick design	30
Bushing	47
ComCo design	32
Comet design	29
ComTem design	33
CosCo design	35
Cosmic design	34
Cosmic Special Rose	38
CosRoc design	36
Cylinders	45
Designs	29-37
Dummy Trim	44
Era design	30
Extension Units	44
FlaCo design	31
Flare design	29
Functions	39-43
HadCo design	35
Haddam design	34
HadRoc design	36
HadTem design	37
Installation Aids	47
Jet design	31
Keying Kits	46
Koa design	37
Lock Functions	39-43
MoCo design	32
Modera Rose	38
Mono design	30
MoTem design	33
Pliers, Tru-Arc	46
Rabbeted Front	44
Re-inforcing Unit	47
Rockford Rose	38
Rosewood design	37
Specifications	28
Strikes	28
TeCo design	35
Tempo design	34
TeRoc design	36
Working Trim	44

Numerical Index

Number	Description	Page
34/16	Boring Bit	47
A	Key Kit	46
RU4	Reinf. Unit	47
BL-5	Ext. Unit	44
BL-7	Ext. Unit	44
BL-10	Ext. Unit	44
BL-18	Ext. Unit	44
22	Plier	46
BL-24	Ext. Unit	44
0400	Boring Jig	47
0400-1	Bushing	47
410	Function	39
410C	Function	39
414	Function	39
416	Function	39
420	Function	39
ER421	Function	39
422	Function	39
424M	Strike	28
425	Strike	28
425PBX	Strike	28
425S	Strike	28
425VPBX	Strike	28
426	Function	40
428	Function	40
433EM	Function	40
433HM	Function	40
434EM	Function	40
435	Function	40
440	Function	41
440⅝	Function	41
H440⅝	Function	41
440⅝C	Function	41
442	Function	41
446	Function	41
446½	Function	41
447	Function	42
448½	Function	42
450½	Function	42
451⅝	Function	42
452	Function	42
452C	Function	42
452½	Function	43
453	Function	43
454	Function	43
456	Function	43
456½	Function	43
942⅝	Roses	32, 33, 34, 37
943	Roses	33, 36, 38
943½	Roses	31, 32, 35, 38
3842	Knobs	31, 34, 35, 36
3842¼	Knobs	34, 35, 36, 37
3942	Knobs	29, 32, 33
3942⅛	Knob	30
3942¼	Knobs	29, 30, 31, 32, 33
3942⅝	Knobs	30
3942⅝	Rose	29
3942⅞	Rose	30
3943⅛	Roses	29, 30, 31, 38
3943½	Rose	30
4742	Knobs	37

Stilemaker is a trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

RUSSWIN



Beauty and Brawn Combined in Russwin "Stilemaker" Locksets

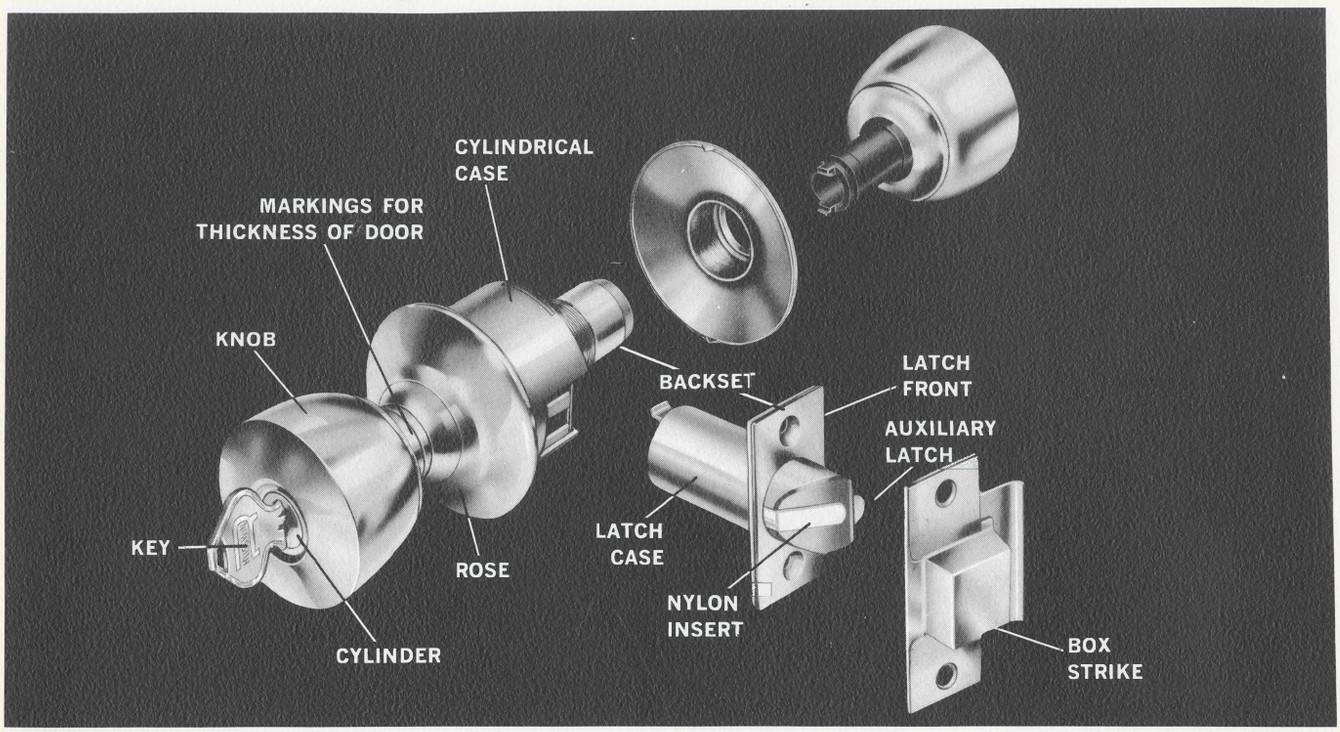
Meet the handsome heavyweight Lockset that's a "knockout" for smart, modern styling plus rugged, dependable day in, day out use. Russwin "Stilemaker" precision-engineered to provide maximum wear and creatively designed to compliment every building's modern architecture, offers a multitude of outstanding features, each one Russwin created for long, trouble-free service, smooth and easy operation, fast installation, economical maintenance.

Inside and Out — "Stilemaker" Locksets Provide Proven Performance Feature for Feature:

- "Can Take It" Construction — Heavy steel chassis, bronze alloy plated for corrosion and friction resistant wear. Three point bearing, seamless tubular steel knob shanks virtually eliminates annoying knob wobble.
- Balanced Action — Phosphor bronze actuated compression springs insure balanced action, long life, freedom from breakage.
- Self-Lubricating — Long throw latch bolt with nylon insert guarantees easy door closing.
- Flexibility — One size cutout for all functions. Threaded rose adjustment for door thicknesses 1⅜ inches to 2 inches. Available up to 2½ inches. Variety of functions.
- Security — Regular and Master Ring Cylinder — ball bearing type — provides utmost in cylinder flexibility.

Use "Stilemaker" Locksets Where Service Counts Most — for Installation in Schools, Hospitals, Commercial, Institutional, Industrial Buildings, etc.

"Stilemaker" Heavy Duty Locksets



Cylindrical Case: Steel, special bronze plated (copper and tin alloy), rust-resistant; 2 1/16 in. diameter for 2 1/8 in. hole in door.

Backset: Regular 2 3/4 in.; can be furnished with extension units for 5, 7, 10, 18 and 24-inch backset (page 44).

Latch Unit: Reversible. No. 4420 with plain latch bolt, No. 4440 with deadlocking latch. For flat front, prefix F, i.e., F4420, F4440. For rabbeted front, prefix R, i.e., R4420, R4440.

Latch Case: Steel, special bronze plated (copper and tin alloy), rust resistant, 31/32 in. diameter for 1 in. hole.

Front: Wrought brass, bronze, aluminum or stainless steel. Size 2 1/4 x 1 1/8 in., beveled 1/8 in. on 2 in. Flat front to order; in ordering, prefix **F** to number, i.e., F410. Rabbeted front and strike to order (see page 44); in ordering, prefix **R** to number, i.e., R410.

Latch Bolt: Sintered brass, 5/8 in. throw. Has nylon insert which contributes to easy and quiet door latching.

Auxiliary Latch: Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Strikes: No. 425 box strike regularly furnished; wrought brass, bronze or stainless steel. Size 2 3/4 in. x 1 1/8 in., curved lip 1 1/4 in. to center. Can be furnished 1, 1 1/8, 1 1/2, 1 3/4, 2, 2 1/2 and 3 in. lip to center when so ordered.

If required rabbeted, suffix R, i.e., 425R.

Other strikes available (furnished only when ordered):

No. 425S; ASA standard, 4 7/8 x 1 1/4 in., 1 1/4 in. lip to center (lips of 1, 1 1/2, 1 3/4, 2, 2 1/2 and 3 in. available when ordered). Available with wrought box when so ordered.

No. 425VPBX; CAST protected box strike, "V" bevel application.

No. 425PBX; CAST protected box strike, parallel bevel application.

No. 424M; 5 3/4 in. x 1 1/4 in., for existing frame mortises of Ten Strike locks.

Electric door openers available: No. 530 for 1 3/8 in. doors. No. 633 for 1 3/4 in. doors and over. See page 182.

Cylinders: Extruded brass or bronze, 5 and 6 pins. See page 45. Locksets may be ordered with dust-proof cylinders. To order, prefix **DP** to lock number, i.e., DP440 Cosmic.

Keys: Two nickel-silver keys, class 5D1 with each 5-pin cylinder lock. Class 6D1 keys with each 6-pin cylinder lock.

Master-Keying: Can be master-keyed in sets as desired with other RUSSWIN cylinders. For construction master key see page 172.

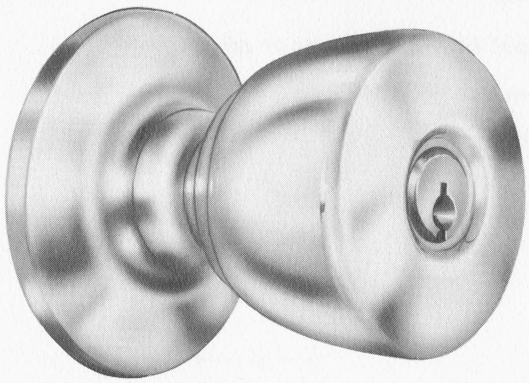
Knobs: Lead shield knobs and roses are available for cast designs in plain tops only. Not available for cylinder, turn or push button knobs.

Thickness of Door: Adjustable for doors 1 3/8 to 2 in. thick. If over 2 in. up to 2 1/2 in., specify thickness of door, lip to center distance on strike (1 1/2 in. for 2 1/4 in. door, 1 3/4 in. for 2 1/2 in. door) and prefix the number 2 to lock no., i.e., No. 2440, 2 1/4 in. door, 1 1/2 in. lip.

Hand of Door: Reversible.

Packing: One set per box with screws, instructions for applying and thimble wrench.

RUSSWIN

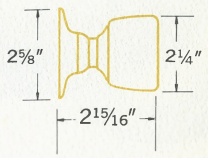


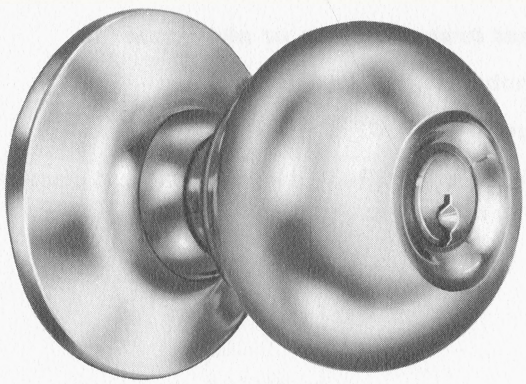
Flare

cast brass, bronze or aluminum

Knobs: No. 3942¼

Roses: No. 3942⅝



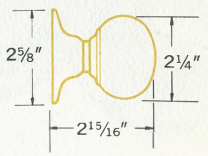


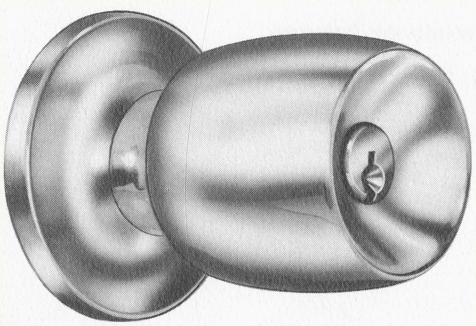
Bristol

cast brass, bronze or aluminum

Knobs: No. 3942¼

Roses: No. 3942⅝



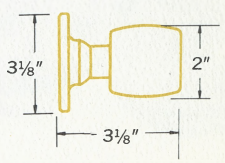


Comet

cast brass, bronze or aluminum

Knobs: No. 3942

Roses: No. 3943⅛



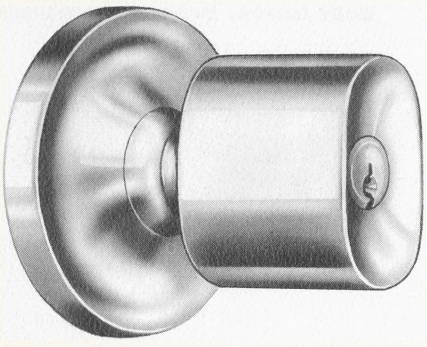
packing and weights (brass, approx):
1 per box, 3¾ lbs.; 10 per case, 38½ lbs.

Projection shown applies to 1¾″ doors. Add 3/16″ for 1⅜″ doors.

SPECIFY NUMBER (Pages 39-43), DESIGN (Pages 29-37), HAND AND FINISH

"Stilemaker" Heavy Duty Locksets

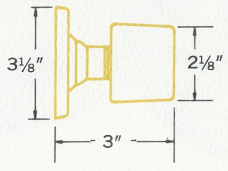
Era



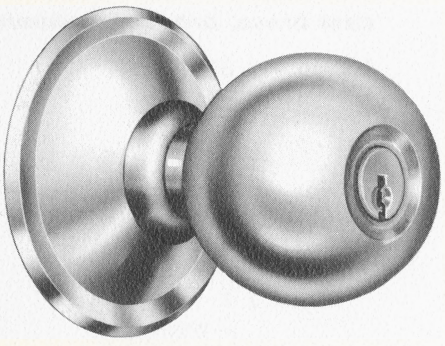
cast brass, bronze or aluminum

Knobs: No. 3942⅛, 2⅛ x 1⅛ in.

Roses: No. 3943⅛



Mono

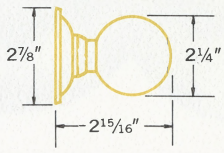


cast brass, bronze or aluminum

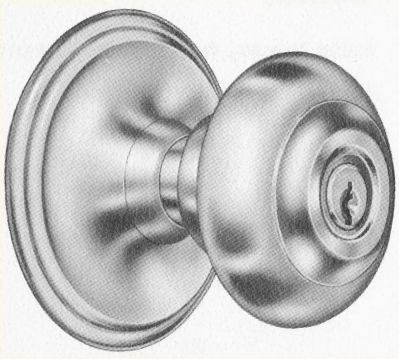
Knobs: No. 3942¼

Roses: No. 3942⅞

3½" rose No. 3943½ Mono available in place of regular rose when specified.



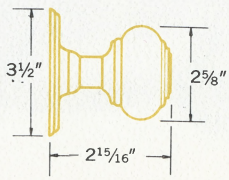
Brunswick



cast brass or bronze

Knobs: No. 3942⅝

Roses: No. 3943½

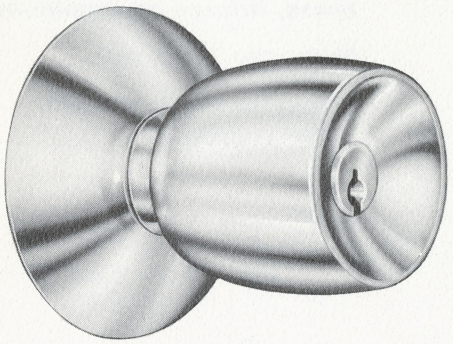


packing and weights (brass, approx):
1 per box, 3¾ lbs.; 10 per case, 38½ lbs.

Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

SPECIFY NUMBER (Pages 39-43), DESIGN (Pages 29-37), HAND AND FINISH

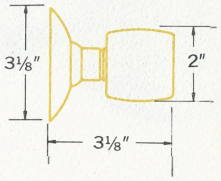
Jet



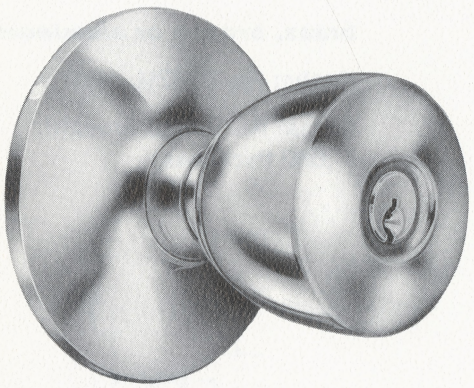
brass, bronze or aluminum

Knobs: No. 3842, heavy cold forged reinforced, .080 thickness.

Roses: No. 3943⅛, cast.



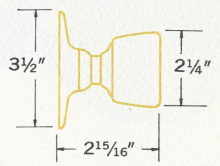
FlaCo



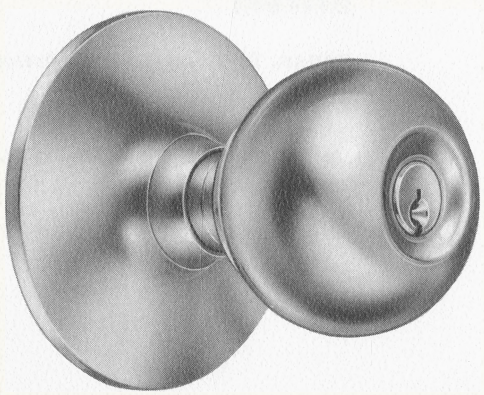
brass, bronze or aluminum

Knobs: No. 3942¼, cast.

Roses: No. 943½, wrought, .080 thickness.



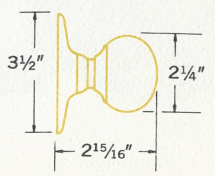
BriCo



brass, bronze or aluminum

Knobs: No. 3942¼, cast.

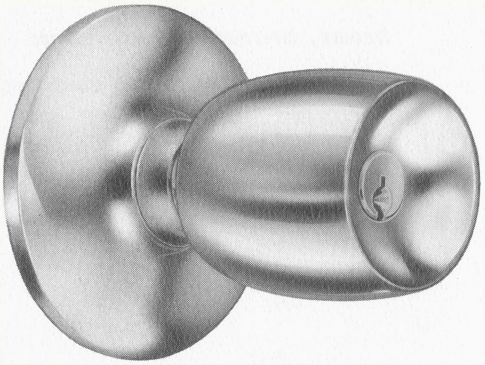
Roses: No. 943½, wrought, .080 thickness.



packing and weights (brass, approx):
1 per box, 3¼ lbs.; 10 per case, 33½ lbs.

Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

"Stilemaker" Heavy Duty Locksets

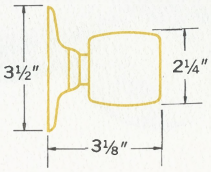


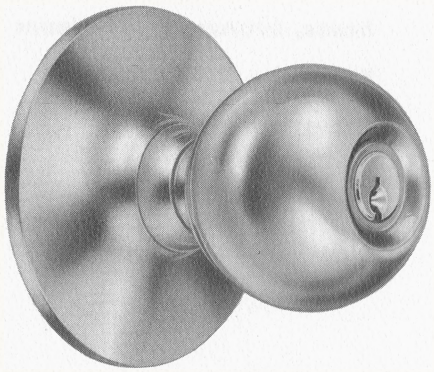
ComCo

brass, bronze or aluminum

Knobs: No. 3942, cast.

Roses: No. 943½, wrought, .080 thickness.



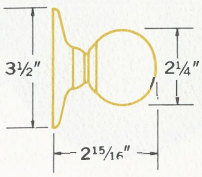


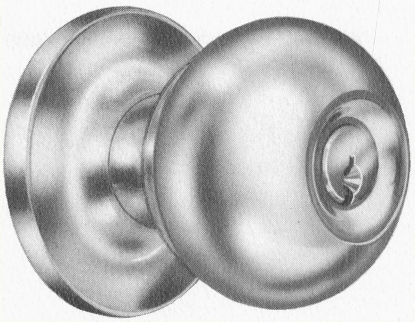
MoCo

brass, bronze or aluminum

Knobs: No. 3942¼, cast.

Roses: No. 943½, wrought, .080 thickness.



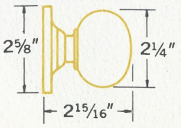


BriTem

brass, bronze or aluminum

Knobs: No. 3942¼, cast.

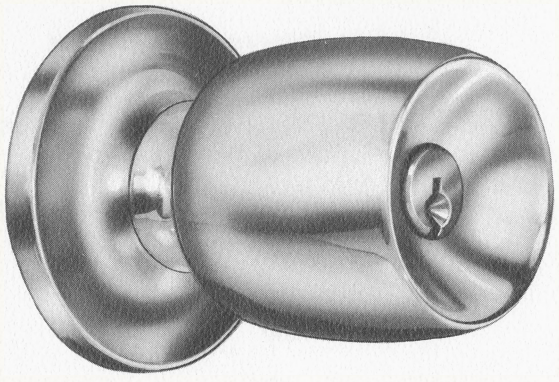
Roses: No. 942⅝, wrought, reinforced, .070 thickness.



packing and weights (brass, approx):
1 per box, 3¼ lbs.; 10 per case, 33½ lbs.

Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

SPECIFY NUMBER (Pages 39-43), DESIGN (Pages 29-37), HAND AND FINISH

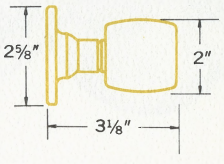


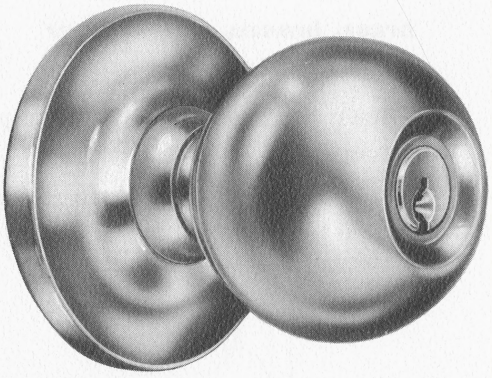
ComTem

brass, bronze or aluminum

Knobs: No. 3942, cast.

Roses: No. 942⅝, wrought, reinforced, .070 thickness.



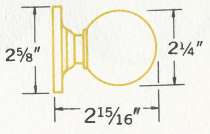


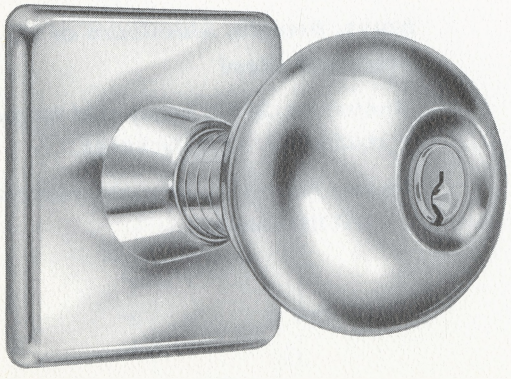
MoTem

brass, bronze or aluminum

Knobs: No. 3942¼, cast.

Roses: No. 942⅝, wrought, reinforced, .070 thickness.



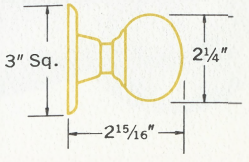


BriRoc

brass, bronze or aluminum

Knobs: No. 3942¼, cast.

Roses: No. 943, heavy cold forged, .080 thickness.

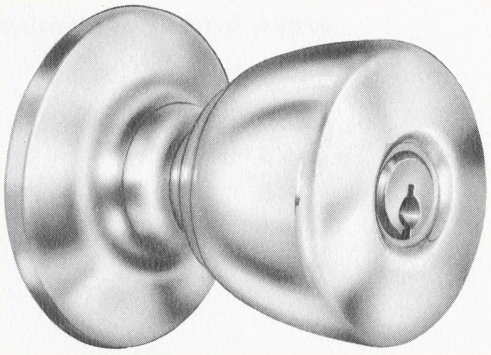


packing and weights (brass, approx):
1 per box, 3¼ lbs.; 10 per case, 33½ lbs.

Projection shown applies to 1¾″ doors. Add 3⁄16″ for 1⅜″ doors.

"Stilemaker" Heavy Duty Locksets

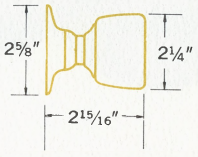
Cosmic



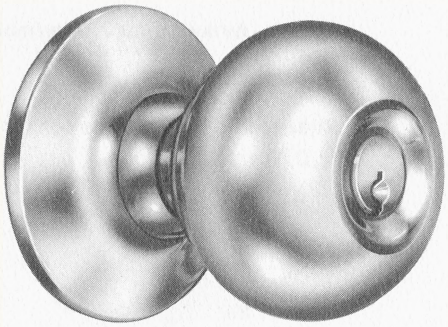
brass, bronze or aluminum
stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 942⅝, wrought reinforced, .070 thickness.



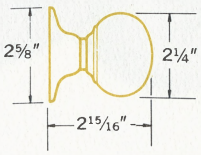
Haddam



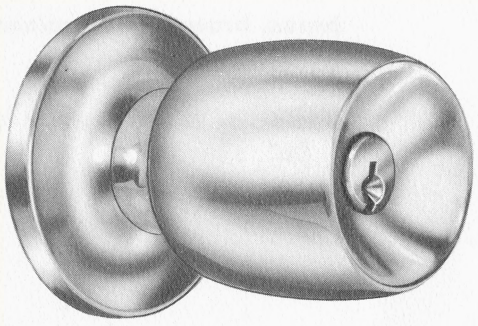
brass, bronze, aluminum or
stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 942⅝, wrought reinforced, .070 thickness.



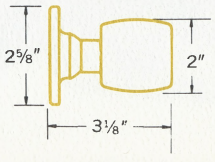
Tempo



brass, bronze, aluminum or
stainless steel

Knobs: No. 3842, heavy cold forged reinforced, .080 thickness.

Roses: No. 942⅝, wrought, reinforced, .070 thickness.

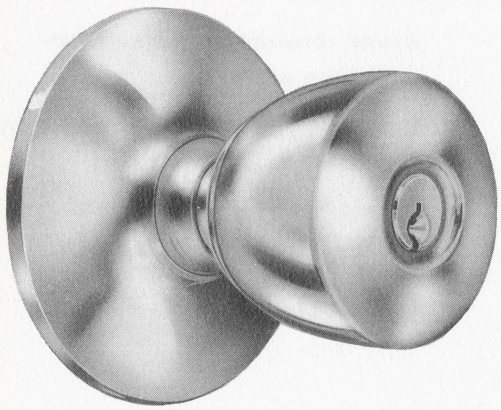


packing and weights (brass, approx):
1 per box, 3 lbs.; 10 per case, 31 lbs.

Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

SPECIFY NUMBER (Pages 39-43), DESIGN (Pages 29-37), HAND AND FINISH

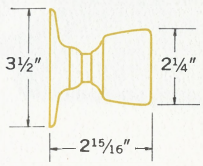
CosCo



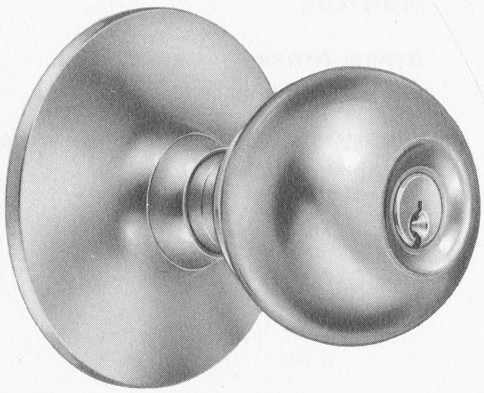
brass, bronze, aluminum or stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 943½, wrought, .080 thickness.



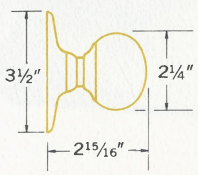
HadCo



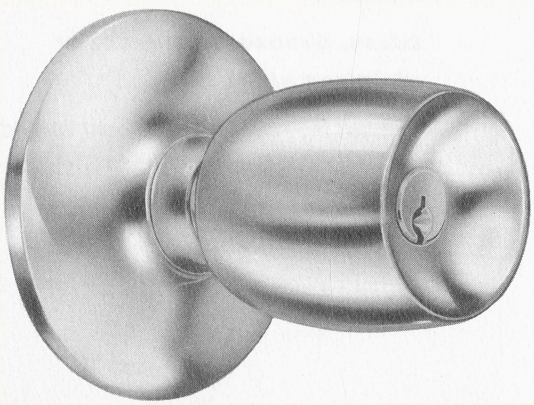
brass, bronze, aluminum or stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 943½, wrought, .080 thickness.



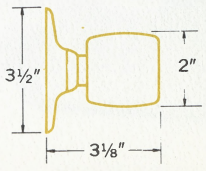
TeCo



brass, bronze, aluminum or stainless steel

Knobs: No. 3842, heavy cold forged reinforced, .080 thickness.

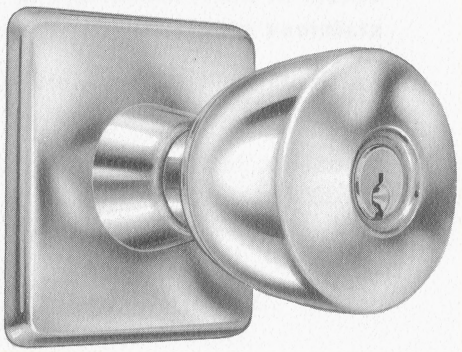
Roses: No. 943½, wrought, .080 thickness.



Projection shown applies to 1¾" doors. Add 3/16" for 1⅜" doors.

packing and weights (brass, approx): 1 per box, 3 lbs.; 10 per case, 31 lbs.

"Stilemaker" Heavy Duty Locksets

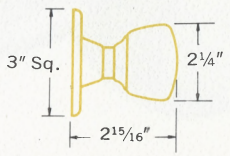


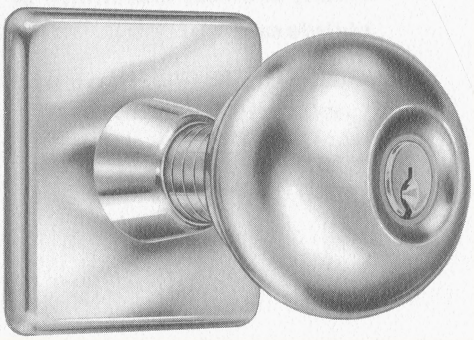
CosRoc

brass, bronze, aluminum or stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 943, heavy cold forged, .080 thickness.



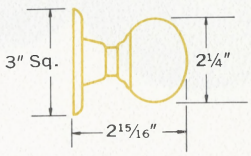


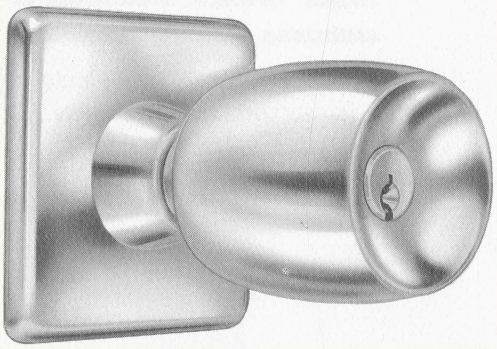
HadRoc

brass, bronze, aluminum or stainless steel

Knobs: No. 3842¼, heavy cold forged reinforced, .080 thickness.

Roses: No. 943, heavy cold forged, .080 thickness.



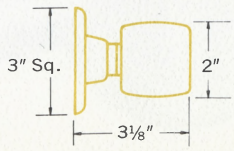


TeRoc

brass, bronze, aluminum or stainless steel

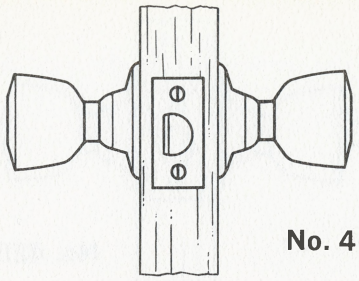
Knobs: No. 3842, heavy cold forged reinforced, .080 thickness.

Roses: No. 943, heavy cold forged, .080 thickness.



packing and weights (brass, approx):
1 per box, 3 lbs.; 10 per case, 31 lbs.

Projection shown applies to 1¾″ doors. Add 3/16″ for 1⅜″ doors.

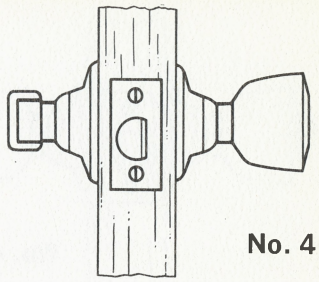


No. 410

Passage and Closet Doors

Latch bolt by knob either side. Each knob always free.

Conforms to Federal Specification 161N

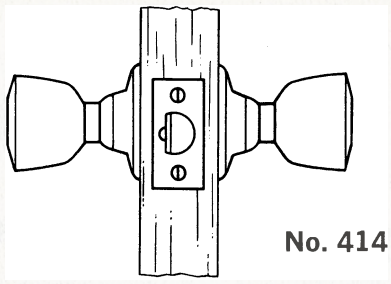


No. 410C

Closet Doors

Latch bolt by knob from outside and thumb turn from inside. Knob and thumb turn always free.

Note: Closet thumb turn projection 1¾ in. on 1¾ in. door; 2⅛ in. on 1⅜ in. door.



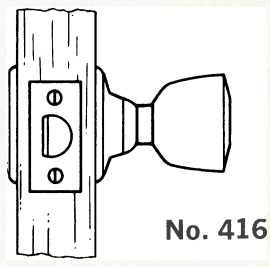
No. 414

Exit Doors

Latch bolt by knob inside. Inside knob always free. Outside knob always rigid. Dead locking latch.

Note: Use only on rooms with more than one entrance.

Conforms to Federal Specification 161NX

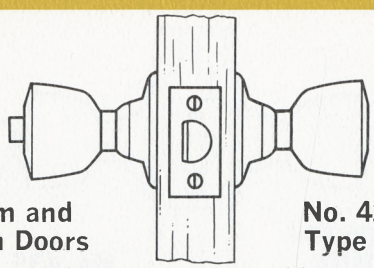


No. 416

Double Communicating Doors in Hotel Suites, Institution or Wire and Pipe Shaft Doors

Latch bolt by outside knob only. No operation from inside. Dead locking latch.

Not adjustable, specify door thickness.



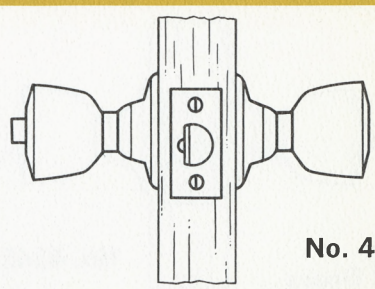
No. 420
Type of ER421

Bathroom and Bedroom Doors

No. 420 — Latch bolt by knob either side. Inside knob always free. Push button locks outside knob. Push button released by turning inside knob or closing door . . . also released by emergency key through outside knob.

Conforms to Federal Specification 161L

No. ER421 — Same as No. 420, but with spindle protruding from outside knob, thus eliminating emergency key. Projection of spindle, 3/16 in.



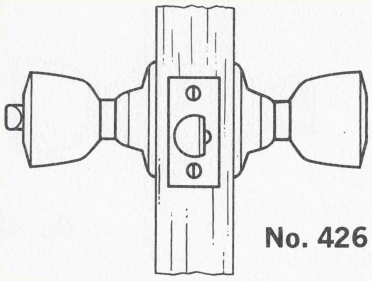
No. 422

Communicating and Inner Office Doors

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. Turning inside knob or closing door releases push button. Dead locking latch. No emergency feature.

Conforms to Federal Specification 161P

"Stilemaker"* Heavy Duty Locksets

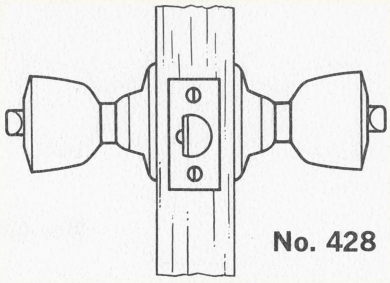


No. 426

Exit Doors

Latch bolt knob either side. Turn button locks outside knob. Inside knob always free. Dead locking latch.

Conforms to Federal Specification 161Q



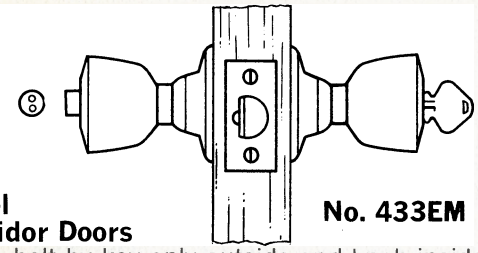
No. 428

Communicating or Office Doors

Latch bolt by knob either side. Turn button in either knob locks opposite knob. Dead locking latch.

Note: To prevent accidental lockout, this lock should not be used on doors between rooms which have no other entrance.

Conforms to Federal Specification 161M

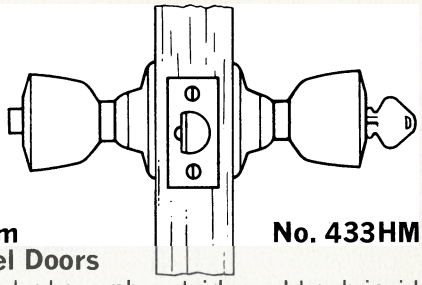


No. 433EM

Hotel Corridor Doors

Latch bolt by key only outside and knob inside. Outside knob always rigid. Push button shuts out all keys except emergency key and throws out visual occupancy indicator in face of cylinder. Either closing door or operating inside knob will release the shutout mechanism and retract the visual occupancy indicator unless button has been turned with spanner key, fixing it in locked position. Dead locking latch.

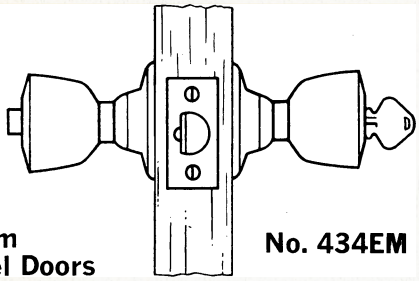
Conforms to Federal Specification 161H



No. 433HM

Stateroom and Hotel Doors

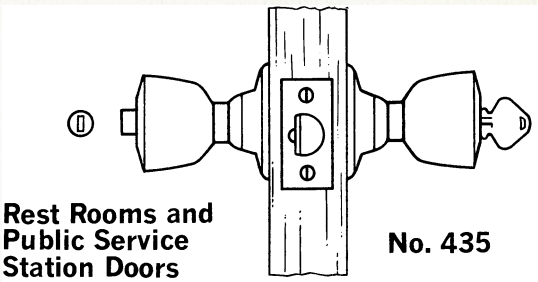
Latch bolt by key only outside and knob inside. Outside knob always rigid. Push button shuts out all keys except emergency key and throws out visual occupancy indicator in face of cylinder. Either closing door or operating inside knob will retract the shutout mechanism and the visual occupancy indicator. Dead locking latch.



No. 434EM

Stateroom and Hotel Doors

Latch bolt by knob either side except when outside knob is locked by key or push button. Push button shuts out all keys except emergency key and throws out visual occupancy indicator in face of cylinder. Either closing door or operating inside knob will retract the shutout mechanism and the visual occupancy indicator. Dead locking latch.

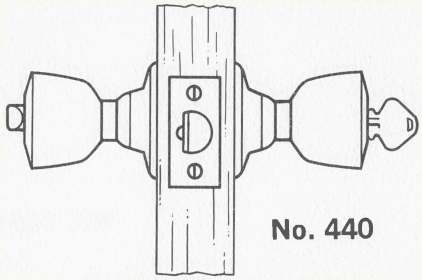


No. 435

Rest Rooms and Public Service Station Doors

Latch bolt by knob either side. Key in outside knob retracts latch bolt when outside knob is locked. Push button locks outside knob. Locking button released by turning inside knob, by key in outside knob or by closing door. Locking button has slot in head. Can be fixed in locked position by depressing button and turning with screw driver or coin. Dead locking latch.

Conforms to Federal Specification 161E

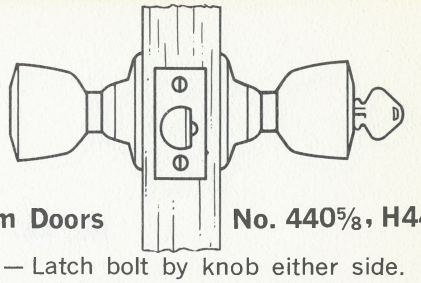


No. 440

Exterior and Office Doors

Latch bolt by knob either side. Inside knob always free. Turn button locks outside knob. Key retracts latch bolt when outside knob is locked. Dead locking latch.

Conforms to Federal Specification 161A

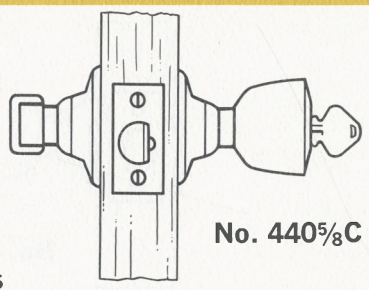


Classroom Doors — No. 440⅝, H440⅝

No. 440⅝ — Latch bolt by knob either side. Inside knob always free. Outside knob locked by key in outside knob. Dead locking latch.

Conforms to Federal Specification 161R

No. H440⅝ — Operation same as above except latch bolt may be held retracted by retracting latch bolt by means of outside knob and turning key clockwise to its limit, then reversing key 135° while holding knob and removing key.

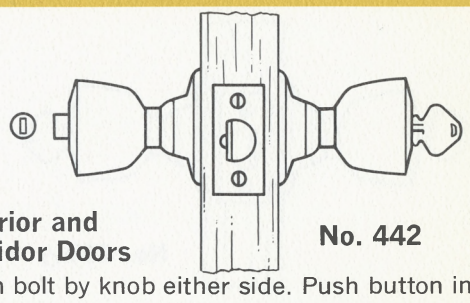


No. 440⅝C

Closet Doors

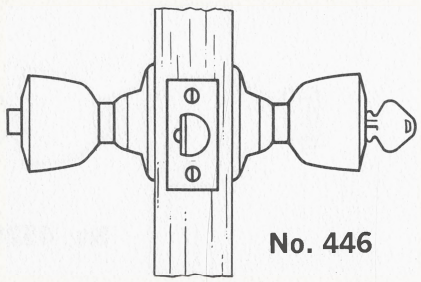
Latch bolt by thumb turn inside and knob outside. Thumb turn always free. Outside knob locked by key in outside knob. Dead locking latch.

Note: Closet thumb turn projection on 1¾ in. door is 1¾ in.; on 1⅜ in. door, 2⅛ in.



Exterior and Corridor Doors — No. 442

Latch bolt by knob either side. Push button in inside knob locks outside knob. Key in outside knob retracts latch bolt when outside knob is locked. Locking button released by turning inside knob or by key in outside knob. Closing door does not release locking button. Locking button has slot in head, can be fixed in locked position by depressing button and turning with screw driver or coin. Dead locking latch.

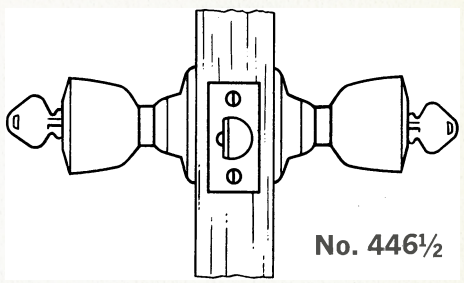


No. 446

Exterior and Office Doors

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. Turning inside knob releases push button. Key retracts latch bolt and releases push button. Closing door does not release push button. Dead locking latch.

Conforms to Federal Specification 161B



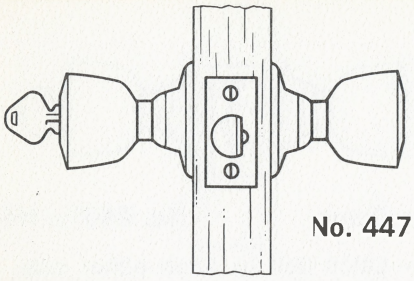
No. 446½

Apartment, Office Building and Corridor Doors

Latch bolt by knob either side. Inside knob always free. Outside knob locked by key in inside knob. Key in outside knob retracts latch bolt when outside knob is locked. Dead locking latch.

Conforms to Federal Specification 161C

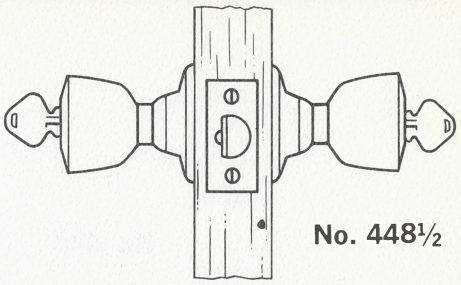
"Stilemaker" Heavy Duty Locksets



No. 447

Patio Doors

Latch bolt by knob either side, except when outside knob is locked by key in inside knob. Inside knob always free. Inside knob has key. Dead locking latch.

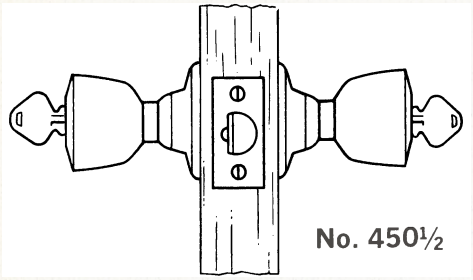


No. 448½

Entrance and Communicating Doors

Latch bolt by knob either side except when both knobs are locked simultaneously by key in either knob. When both knobs are locked from either side, key from either side will unlock both knobs. Dead locking latch.

Conforms to Federal Specification 161G



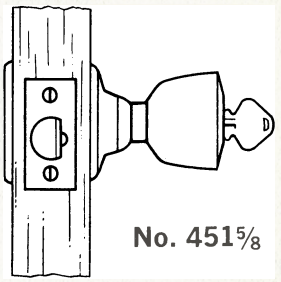
No. 450½

Communicating Hotel or Office Doors

Latch bolt by knob either side. Key in each knob locks opposite knob. Dead locking latch.

Note: To prevent accidental lockout, this lock should not be used on doors between rooms which have no other entrance.

Conforms to Federal Specification 161F

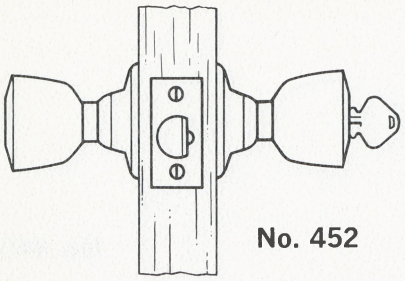


No. 451⅝

Double Communicating Doors in Hotel Suites, Institution or Wire and Pipe Shaft Doors

Latch bolt by outside knob only. Outside knob locked by key. No operation from inside. Dead locking latch.

Not adjustable, specify door thickness.

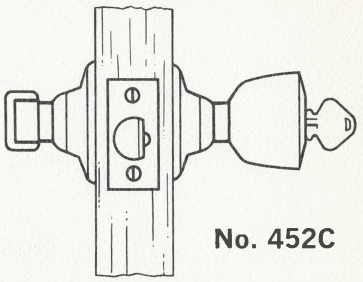


No. 452

Utility Room, Storeroom and Exit Doors

Latch bolt by inside knob only. Outside knob always rigid. Latch bolt retracted by key in outside knob. Dead locking latch.

Conforms to Federal Specification 161D



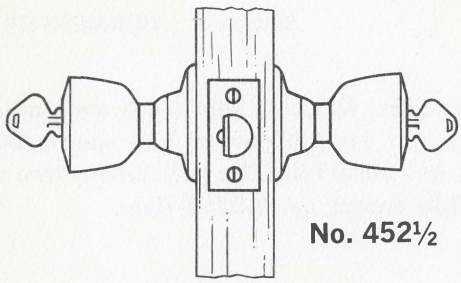
No. 452C

Utility Room and Closet Doors

Latch bolt by thumb turn from inside only. Outside knob always rigid. Latch bolt may be retracted by key in outside knob. Dead locking latch.

Note: Closet thumb turn projection on 1¾ in. door is 1¾ in.; on 1⅜ in. door, 2⅛ in.

SPECIFY NUMBER (Pages 39-43), DESIGN (Pages 29-37), HAND AND FINISH

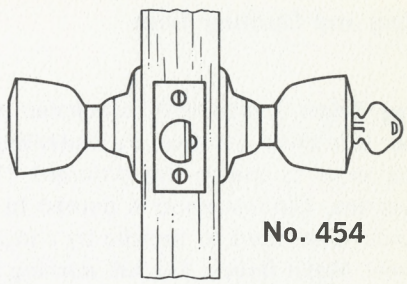


No. 452½

Rigid Knob Lock for Passage Doors

Latch bolt by key from either side. Both knobs always rigid. Dead locking latch.

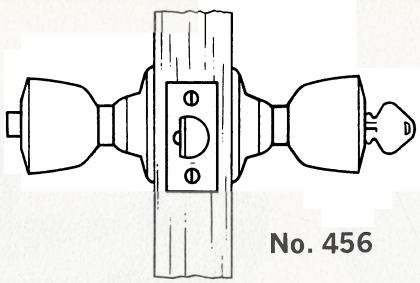
Conforms to Federal Specification 161W



No. 454

Institution Doors

Latch bolt by knob either side. Both knobs locked by key in outside knob. Dead locking latch.

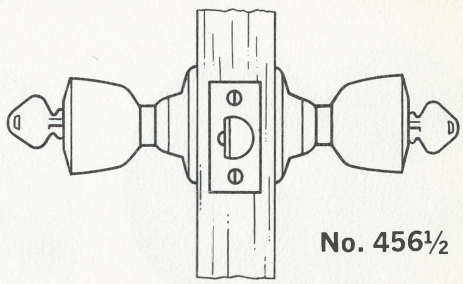


No. 456

Communicating Doors

Latch bolt by knob either side. Push button in inside knob locks outside knob. Locking button released by key from outside, knob from inside or closing door. Both knobs locked by key in outside knob. Dead locking latch.

Conforms to Federal Specification 161U

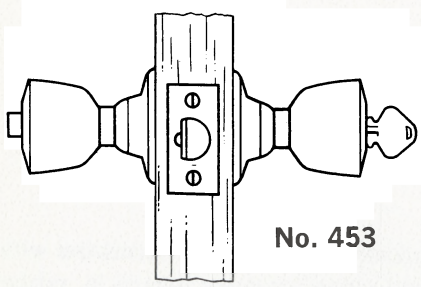


No. 456½

Communicating Doors

Latch bolt by knob either side except when key in either knob locks its own knob only. Dead locking latch.

Conforms to Federal Specification 161S



No. 453

Conforms to Federal Specification 161T

Dormitory Bedroom Doors

Latch bolt by key from outside at all times and by knob either side except when outside knob is locked by push button or by turning key clockwise to its limit, reversing and withdrawing key. Inside knob always free. When locked by push button; a turn of inside knob, closing door or turning key counter-clockwise to its limit, reversing and withdrawing key releases locking button. When locked by key; locking mechanism can be released only by turning key counter-clockwise to its limit, reversing and withdrawing key. When outside knob is locked by push button, it is necessary to release the push button by turning key counter-clockwise to its limit, reversing and withdrawing key before the key can be used to lock outside knob. Dead locking latch.

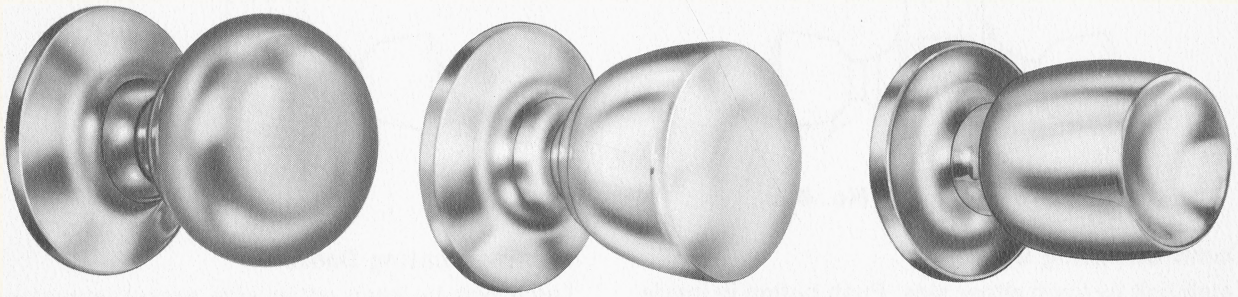
"Stilemaker" Heavy Duty Locksets

Working and Dummy Trim

SPECIFY THICKNESS OF DOOR

Working Trim: Knobs with concealed screw roses can be furnished for use as operating trim with mortise locks to match the different "Stilemaker" lock designs. Outside knob is pinned to spindle, inside knob is secured to spindle by concealed dowel set screw. **Metal Doors:** For full working trim specify W400 by design, i.e., W400 Flare. For half working trim specify ½W400 by design, i.e., ½W400 Flare. **Wood Doors:** For full working trim specify W400W by design, i.e., W400W Flare. For half working trim specify ½W400W by design, i.e., ½W400W Flare.

Dummy Trim: All knobs and roses are available as dummy trim. For full dummy trim specify D400 by design, i.e., D400 Flare. For half dummy trim specify ½D400 by design, i.e., ½D400 Flare.



Haddam Cosmic Tempo

Shown here are three representative designs applied as working trim. See Mortise Designs catalog section for illustrations of all Stilemaker designs as working trim.

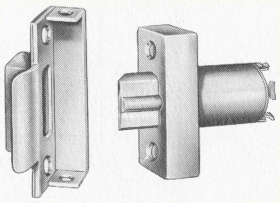
Extension Units



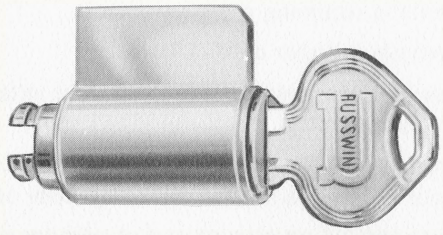
Regular latch unit has 2¾ in. backset. For special backsets, extension units are available for attachment to regular latch unit to extend backsets to desired length. When ordering, suffix BL-5, etc., to lock number. When furnished for hollow metal doors, a sleeve is provided to hold latch unit and extension unit together.

For Backset	Specify
5 in.	BL-5
7 in.	BL-7
10 in.	BL-10
18 in.	BL-18
24 in.	BL-24

Rabbeted Front and Strike



"Stilemaker" locks can be furnished with rabbeted front and strike for doors with ½ in. rabbet. Backset on rabbeted front locks is 2¾ in. on long side of rabbet. To order lock with rabbeted front and strike, prefix **R** to lock number, i.e., R440. To order rabbeted latch unit only, as shown, specify No. R4440.



Regular No. 144F17

Masterkeyed No. 144F16

Master Ring No. 144F15

For all functions except 433EM, 433HM.

Regular No. 146F53

Masterkeyed No. 146F52

Master Ring No. 146F51

For functions 433EM, 433HM only.

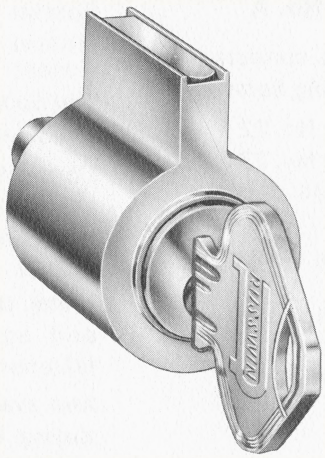
Cylinders

Ordering Information

The Russwin cylinders shown here are used with Russwin "Stilemaker" locksets.

When ordering, specify number of lock with which cylinder will be used.

All cylinders are available with dustproof shutters; to order, prefix **DP** to number, i.e., DP 144F17, etc.



Master Ring No. 144F15

For all functions except 433EM, 433HM.

Master Ring No. 146F51

For functions 433EM, 433HM only.

Master Ring Cylinder

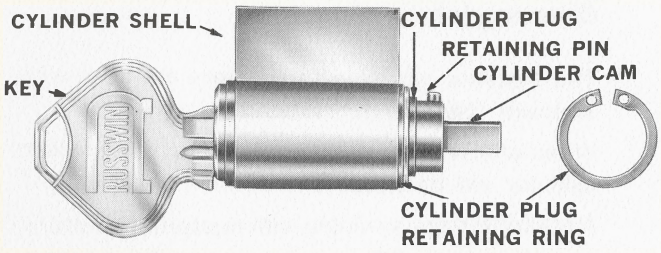
Used in "Stilemaker" locksets only for extended master-keyed systems. Used on grand or great grand master key installations only.

Following cylinders available for replacement purposes on Stilemaker locksets furnished before 6/1/64:

Cylinder Number			Used on Lockset Numbers	
masterkeyed	regular	master ring	outside	inside
67F69	83F05	83F06	453	....
25F65	46F97	48F04	435, 442, 446	....
40F80	46F99	48F05	433EM, 433HM	....
55F76	84F12	84F11	448½	....
25F56	84F03	84F04	454, 456	....
24F15	84F01	84F02	450½	446½, 447, 450½
25F26	82F89	82F90	440⅝, H440⅝, 440⅝C, 451⅝, 456½	451½, 456½
19F35	46F29	44F89	440, 446½, 451½, 452, 452C, 452½	448½, 452½

"Stilemaker" Heavy Duty Locksets

Re-keying Instructions for Regular "Stilemaker" Lockset Cylinders



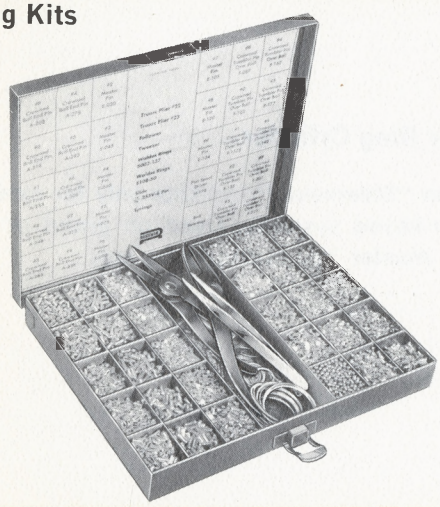
Setting up vise available for use in re-keying cylinders. Furnished only when ordered.

1. Remove key from cylinder plug.
2. Remove retaining pin from cam.
3. Remove cylinder cam.
4. Use Tru-Arc plier No. 22 to remove retaining ring from cylinder plug.
5. Insert key in cylinder plug—use caution that cylinder plug does not fall out of cylinder shell.
6. Place setting-up plug on end of cylinder plug, using slight pressure to remove cylinder plug from shell.
7. Reset to new keying and reverse procedure.

For No. 19F35 cylinder cancel step No. 4.
For Nos. 24F15-24F65 cylinders—in step No. 2, line up hole on cam with pin.

Note: Special instructions available for re-keying Master Ring cylinders.

Keying Kits



Keying Kit No. A

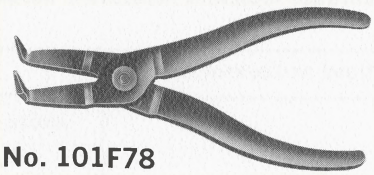
Keying Kit A consists of the following items:

- Tru-Arc Plier No. 22
- Tru-Arc Plier No. 23
- Follower CT-24
- Tweezer
- Waldes Ring Assortment
- Crowned Ball End Pin Assortment
- Crowned Tumbler Pin over Ball Assortment
- Slide
- Springs
- Master Pin Assortment
- Flat Spool Drivers
- Ball Bearings

Complete keying instructions packed with each kit. Container is made of metal, cover is hinged and equipped with fastener.

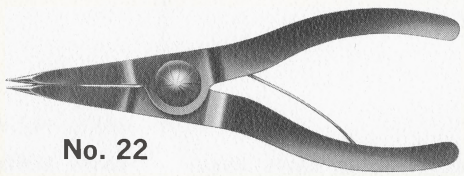
Also available:
Keying Kit B; Smaller version of Kit A.

Tru-Arc Pliers



No. 101F78

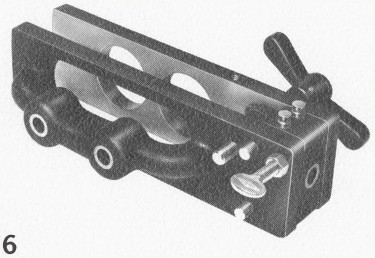
When re-keying or changing cylinder, the Tru-Arc plier No. 101F78 is used to remove knob shank retaining ring which holds cylinder in knob.



No. 22

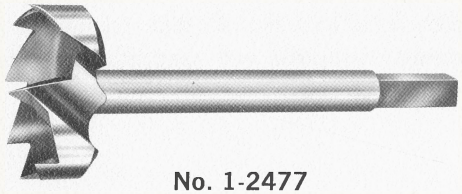
When re-keying or changing cylinder, the Tru-Arc plier No. 22 is used to remove retaining ring which holds cylinder plug in cylinder shell.

INSTALLATION AIDS



No. 1-2476

Boring jig for 2¾ and 5 inch backsets. Adjustable for doors 1⅜ to 2¼ inch thickness. Approximate weight, 5¼ lbs.



No. 1-2477

Boring bit for 2⅛ inch hole in door for lockset case. Can be used with bit brace or power drill (No. 1-2481 driver, below, must also be used when using power drill). For use with 1-2476 boring jig.



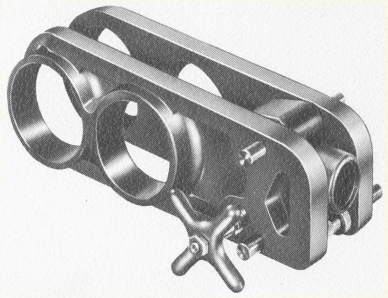
No. 1-2485

Boring bit for 1 inch hole in door for latch unit. Size 1" x 11". Can be used with bit brace or power drill (No. 1-2481 driver, below, must also be used when using power drill). For use with 1-2476 boring jig. Approximate weight, 1 lb. Also available: No. 1-2486, replacement blade for above.



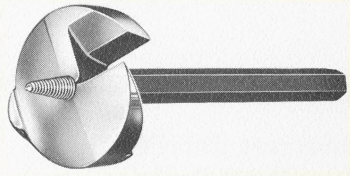
No. 1-2481

Driver with ⅜" shaft. For use with 1-2477 and 1-2485 bits when using power drill.



No. J400

Boring jig for 2¾ and 5 inch backsets. Adjustable for doors 1⅜ to 2¼ inch thickness. Approximate weight, 3½ lbs.



No. 34/16

Boring bit for 2⅛ inch hole in door for lockset case. May be used with bit brace or power drill. For use with J400 boring jig. Approximate weight, ¾ lb.



No. 1-120

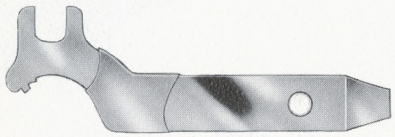
Boring bit for 1 inch hole in door for latch unit. For use with J400 boring jig. Approximate weight, 1 lb.

RUSSWIN Reg. U.S. Pat. Off.
Marca Registrada

"Stilemaker" Heavy Duty Locksets

Non-Ferrous Locksets:
Stilemaker locksets are available with chassis in stainless steel. Prefix "SS" to number, specify design and finish, i.e., SS440 Haddam US10, SS440 Cosmic US32D, etc.

Thimble Wrench



The thimble wrench is used to tighten or loosen the rose thimble on "Stilemaker" locksets. A plastic sleeve is assembled to the wrench to prevent marring the finish of the rose thimble. Thimble wrenches for "Stilemaker" locksets are packed as follows:

One wrench with every ten locksets for contract sales.

One wrench with every lockset for stock sales.

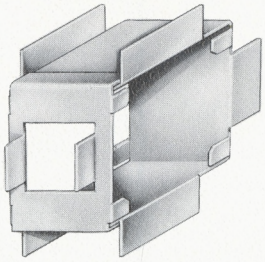
One wrench with every mounted sample.

Instruction Plate



For use with hotel lock No. 433EM. Furnished only when ordered. Supplied with escutcheon pins to attach on inside of door.

Reinforcing Unit For Hollow Metal Doors



No. RU4

During manufacture of the door, this unit is welded into the hollow metal stile by the door manufacturer. Units are made of steel, special bronze plated (copper and tin alloy) rust resisting. We do not guarantee the operation of any "Stilemaker" locksets which are installed in hollow metal doors without a reinforcing unit. Used with any backset. Available for 1⅜ and 1¾ in. doors only. Available upon request, specify thickness of door.

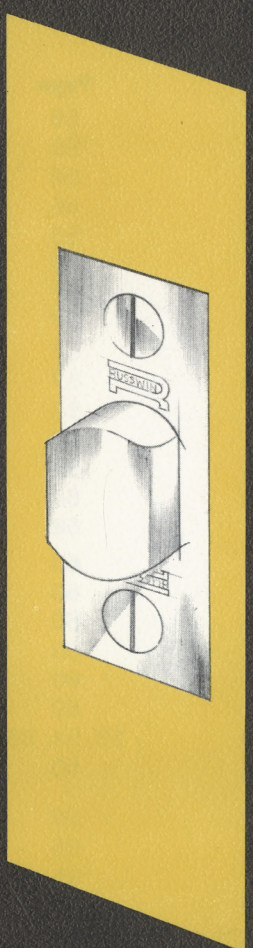
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

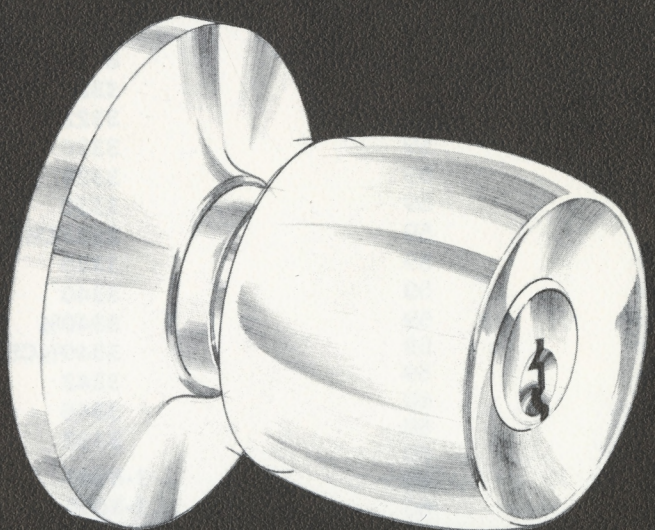


Married Student Dormitories, Harvard University
Cambridge, Mass.

RUSSWIN

the Forum
CYLINDRICAL LOCKSETS





the Forum
CYLINDRICAL LOCKSETS

Alphabetical Index

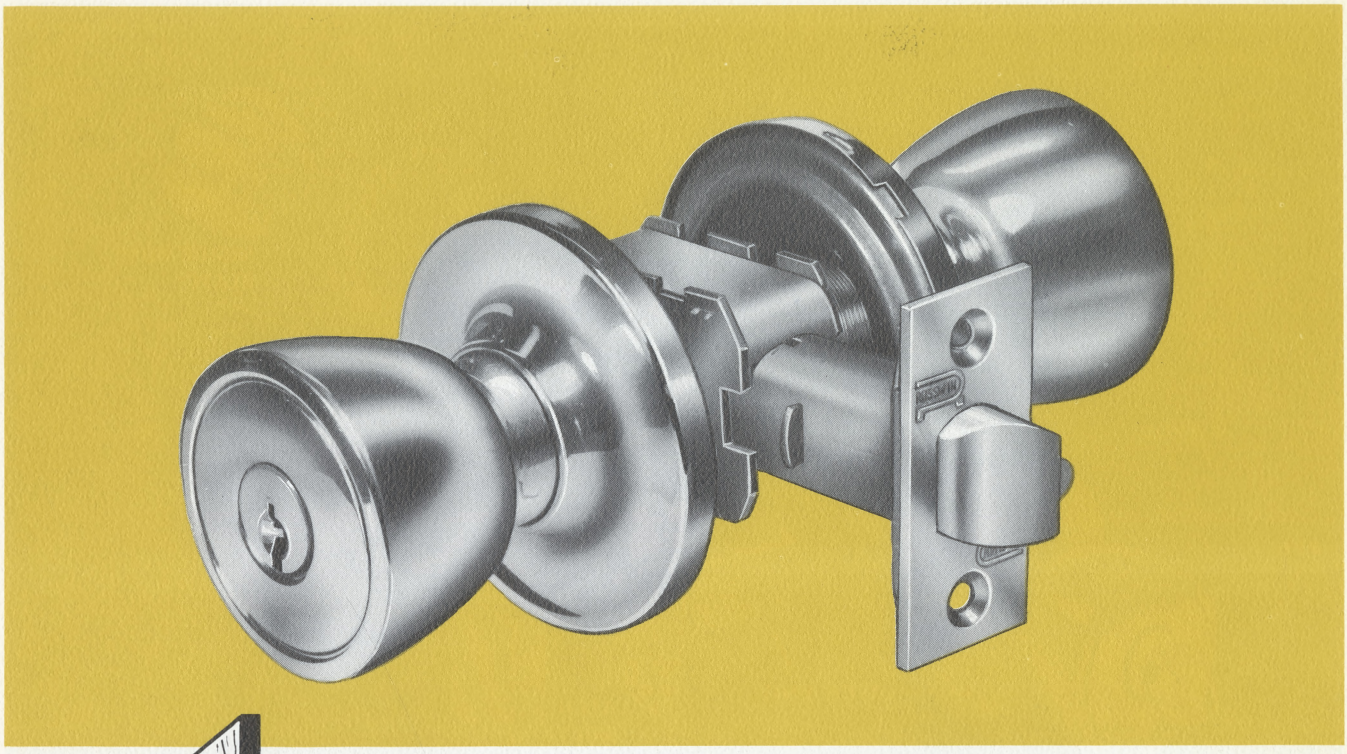
Description	Page
Beacon Design	53
BeCo Design	55
BeRoc Design	54
Boring Bits	59
Jigs	59
Brunswick Design	55
Cosmic Rose	58
Cylinders	59
Designs	53-55
Duchess Design	54
Dummy Trim	52
Extension Units	60
Functions	56-58
Keying Kit	59
Latch Mortiser	59
Units	60
Modernization Kit	60
Ortem Design	53
OsCo Design	55
Osmos Design	53
OsRoc Design	54
Princess Design	54
Rockford Rose	58
Rosewood Design	53
Specifications	52
Sphere Design	55
Strike Locator	59
Strikes	60
Working Trim	52

Numerical Index

Number	Description	Page
B	Key Kit	59
16W	Wgt. Box	60
1-143	Mortiser	59
1-149	Locator	59
155-F73	Cylinder	59
155-F74	Cylinder	59
173-F82	Cylinder	59
173-F83	Cylinder	59
173-F85	Cylinder	59
173-F86	Cylinder	59
186-F78	Cylinder	59
186-F79	Cylinder	59
186-F80	Cylinder	59
1-314	Unit	60
1-315	Unit	60
316	Strike	60
1-316	Unit	60
317	Strike	60
1-317	Unit	60
3-932⅝	Rose	53, 54
3-933½	Rose	55, 58
953	Rose	54, 58
1-2476	Jig	59
1-2477	Bit	59
1-2478	Bit	59
1-2479	Bit	59
1-2480	Blade	59
1-2481	Shaft	59
R2535	Kit	60
R2536	Kit	60
3310	Function	56
3310CS1	Function	56
3314	Function	56
3320	Function	56
3322	Function	56
3326	Function	56
3328	Function	57
3330	Function	57
3333EM	Function	57
3335	Function	57
3340	Function	57
3340⅝	Function	57
3340⅝CS1	Function	58
3342	Function	58
3346	Function	58
3352	Function	58
1-3649	Latch	60
1-3650	Latch	60
1-3651	Latch	60
1-3676	Latch	60
1-3796	Strike	60
1-3829	Latch	60
3-3832	Knob	53, 54, 55
1-3899	Latch	60
3932	Knob	55
3932¼	Knob	55
3932¾	Rose	55
3932⅞	Rose	55
3-4732	Knob	53
5731¾	Knob	54

"the Forum" is a trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

RUSSWIN



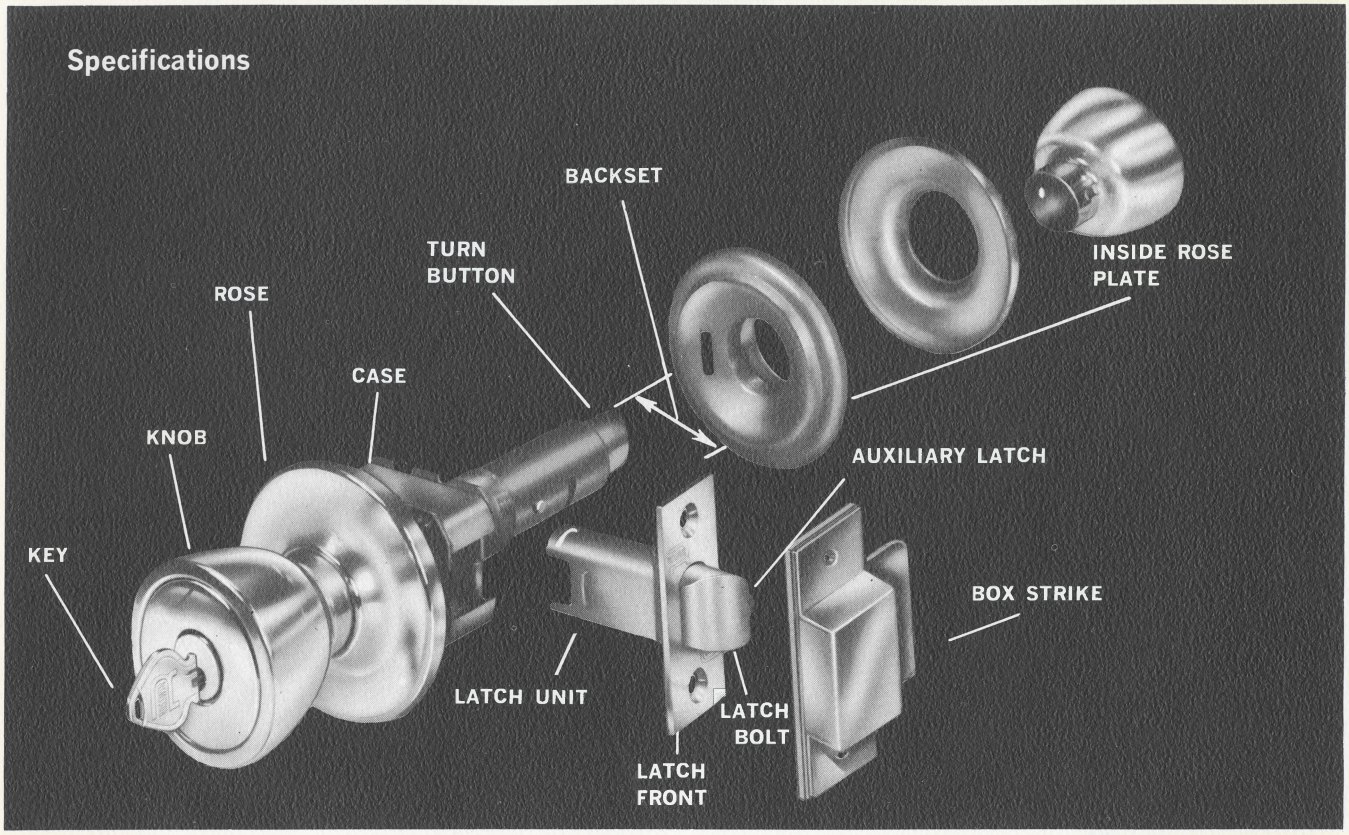
Four Moving Parts in RUSSWIN **Forum** Line Locksets Add Years of Long-Wearing, Dependable Performance

All new — all steel and brass, the Forum line locksets, made of the finest materials and workmanship are lock-perfect, boasting three essential qualities: advanced design . . . simplified construction . . . mechanical reliability. Besides having all its parts constructed from heavier duty steel and brass, Russwin's Forum line features a special bronze plating that reduces wear on all internal parts for extra long service.

The simplified mechanism **with only four moving parts** offers velvet-smooth operation while pin-tumbler locking affords every Forum lockset peace of mind security. **Full half-inch latch bolt,** permanently lubricated, compensates for shrinkage, gives smoother closing action. Durable finish maintains its beauty longer than ordinary finishes. And, too, Forum locksets feature a **cylinder that can be easily removed from the knob without removing the lock from the door** — a most significant advantage under conditions requiring interchange in locksets. Meets Federal Specification 160.

Perfect for Installations in Finer Homes, Apartments, Institutions and Light Commercial Buildings.

the Forum
CYLINDRICAL LOCKSETS



Case: Steel, special bronze plated (copper and tin alloy) rust resisting. For 2⅛ in. hole in door.

Backset: Regular 2⅜ in. Can be furnished with 2¾ in. backset or with extension unit for 5, 10, 18 or 24 in. backset (see page 60). 2¾ in. backset locks will have front 1⅛ in. wide.

Latch Unit: Reversible, see page 60 for types available.

Latch Case: Steel, special bronze plated (copper and tin alloy) rust resisting. For ⅞ in. hole in door.

Mechanism: Only 4 moving parts provide long life and smooth, easy, positive action.

Front: Wrought brass, bronze or aluminum. Size 2¼ x 1 in. with 2⅜ in. backset. 2¼ in. x 1⅛ in. with 2¾ in. backset. See page 60 for various types of fronts available.

Latch Bolt: Lubricated solid brass, ½ in. throw.

Auxiliary Latch: Auxiliary latch prevents manipulation of latch bolt when door is closed.

Strike: Wrought brass or bronze (finished to match aluminum when required). Size 2¾ x 1⅛ in., curved lip 1¼ in. to center. Can be furnished curved lip, 1, 1⅛, 1½, 1¾ or 2 in. to center when so ordered. Other strikes available, see page 60.

Cylinders: See page 59.

Keys And Master-Keying: Two nickel silver keys furnished with each set, key class 5D1. For construction master key see page 172.

Knobs And Roses: See pages 53 to 55.

Thickness Of Door: Adjustable for doors 1⅜ to 1¾ in. thick. Can also be furnished for doors over 1¾ to 2¼ in. thick when so ordered, in all designs except Sphere and Brunswick. In ordering, specify thickness of door, 1½ in. strike lip to center and prefix 2 to number, i.e., 23340, 2 in. door, 1½ in. lip to center.

Hand Of Doors: Reversible.

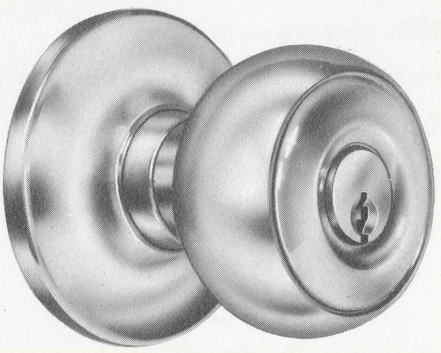
Packing: One set in a box with screws and instructions for applying. Twenty sets in a case.

Dummy And Working Trim: All designs can be ordered as dummy or working trim. For full dummy trim specify D3300 by design, i.e., D3300 Beacon. For half dummy trim specify ½D3300 by design, i.e., ½D3300 Beacon.

Metal Doors: For full working trim specify W3300 by design, i.e., W3300 Osmos. For half working trim specify ½W3300 by design, i.e., ½W3300 Osmos.

Wood Doors: For full working trim specify W3300W by design, i.e., W3300W Osmos. For half working trim specify ½W3300W by design, i.e., ½W3300W Osmos. SPECIFY DOOR THICKNESS.

For Auxiliary Roses, see pages 70-72.

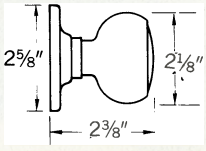


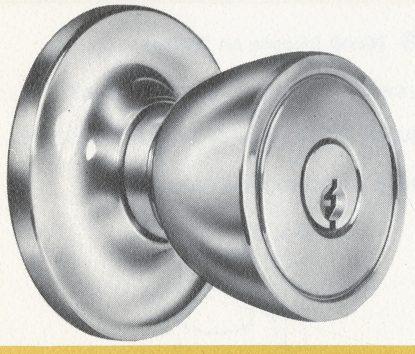
Beacon

wrought brass, bronze or aluminum

Knobs: No. 3-3832⅛ (2⅛″ dia. with cyls.)
No. 3-3832 (2″ dia. without cyls.)

Roses: No. 3-932⅝



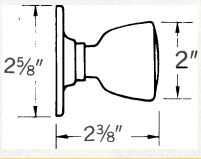


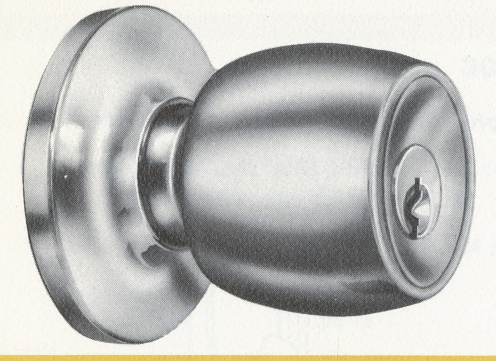
Osmos

wrought brass, bronze or aluminum

Knobs: No. 3-3832

Roses: No. 3-932⅝



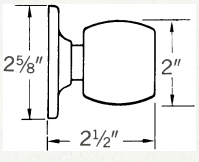


Ortem

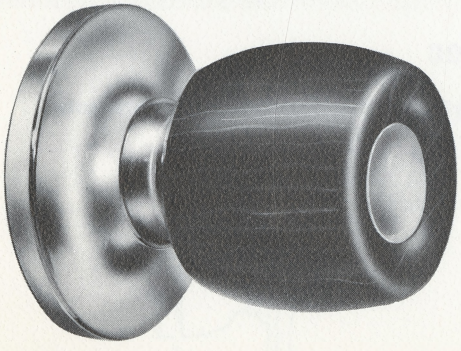
wrought brass, bronze or aluminum

Knobs: 3-3832

Roses: No. 3-932⅝



WOOD KNOBS

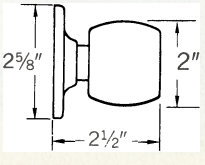


Rosewood

Knobs: Rosewood Wood, Buffed Finish, No. 3-4732.

Roses: Wrought brass, bronze or aluminum, No. 3-932⅝.

Available only in non-key knobs.

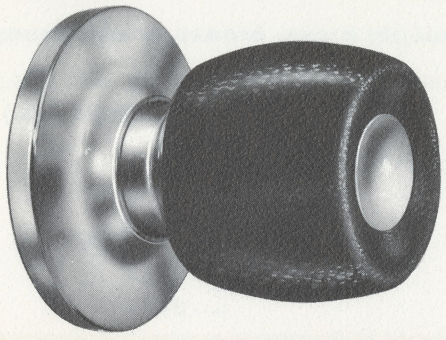


packing and weights (brass approx): 1 per box, 2 lb; 20 per case, 41 lb

Projection shown applies to 1¾″ doors. Add 3⁄16″ for 1⅜″ doors.

the Forum
CYLINDRICAL LOCKSETS

CERAMIC KNOBS

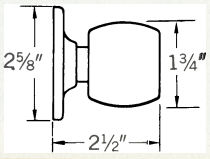


Princess (Gold Stipple on Black)

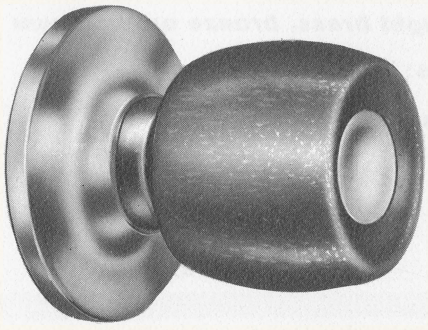
Knobs: Porcelain Material, Glazed Finish, No. 5731¾.

Roses: Wrought brass, bronze or aluminum, No. 3-932⅝.

Available only in non-key knobs.



CERAMIC KNOBS

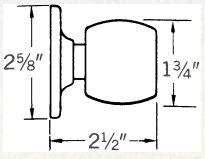


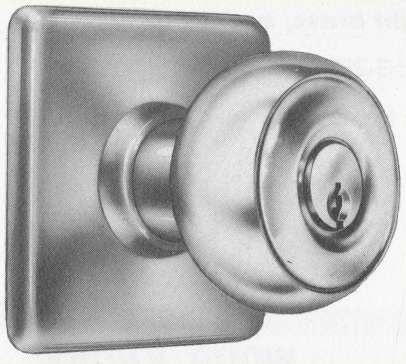
Duchess (Gold Stipple on White)

Knobs: Porcelain Material, Glazed Finish, No. 5731¾.

Roses: Wrought brass, bronze or aluminum, No. 3-932⅝.

Available only in non-key knobs.



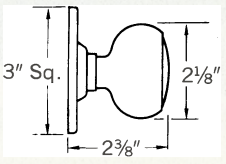


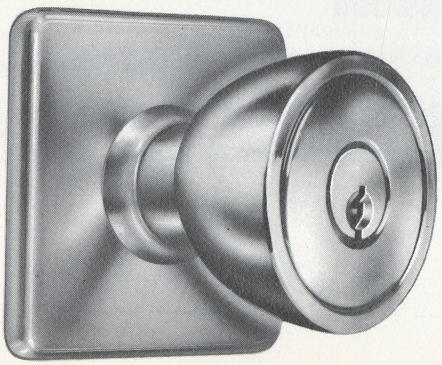
BeRoc

wrought brass, bronze or aluminum

Knobs: No. 3-3832⅛ (2⅛″ dia. with cyls.)
No. 3-3832 (2″ dia. without cyls.)

Roses: No. 953



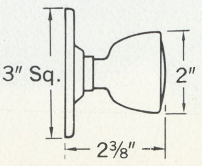


OsRoc

wrought brass, bronze or aluminum

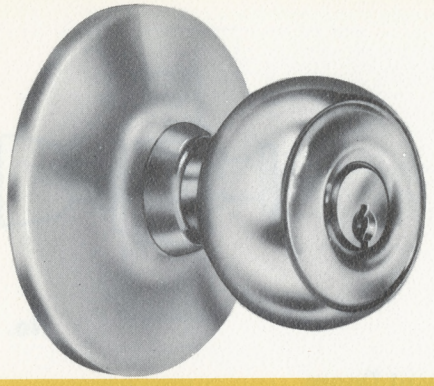
Knobs: No. 3-3832

Roses: No. 953



packing and weights (brass approx): 1 per box, 2 lb; 20 per case, 41 lb

Projection shown applies to 1¾″ doors. Add 3/16″ for 1⅜″ doors.

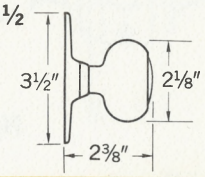


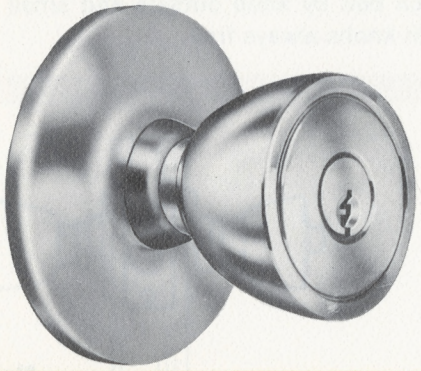
BeCo

wrought brass, bronze or aluminum

Knobs: No. 3-3832⅛ (2⅛″ dia. with cyls.)
No. 3-3832 (2″ dia. without cyls.)

Roses: No. 3-933½



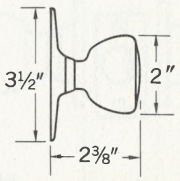


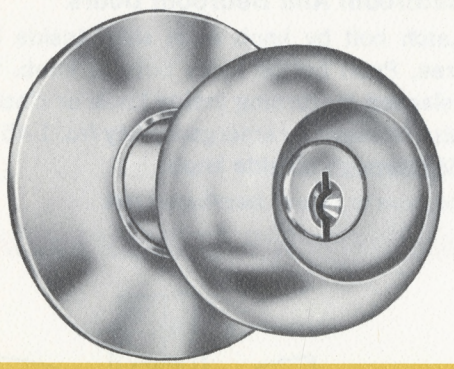
OsCo

wrought brass, bronze or aluminum

Knobs: No. 3-3832

Roses: No. 3-933½



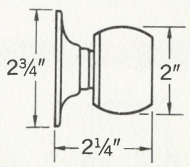


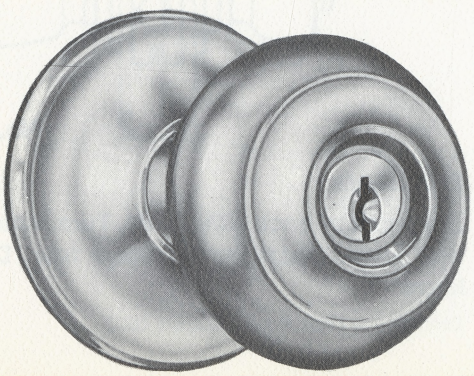
Sphere

cast brass, bronze or aluminum

Knobs: No. 3932

Roses: No. 3932¾



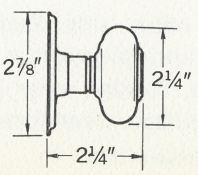


Brunswick

cast brass or bronze

Knobs: No. 3932¼

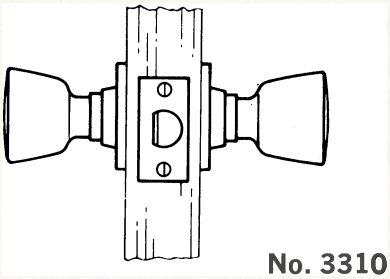
Roses: No. 3932⅞



packing and weight (brass approx): 1 per box, 3 lb; 20 per case, 60 lb

Projection shown applies to 1¾″ doors. Add 3/16″ for 1⅜″ doors.

the Forum
CYLINDRICAL LOCKSETS

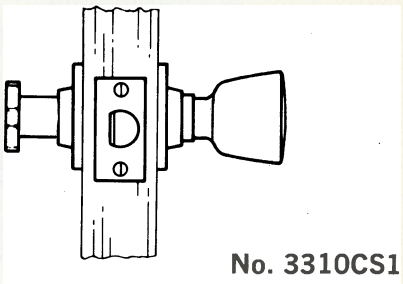


No. 3310

Passage And Closet Doors

Latch bolt by knob either side. Each knob always free.

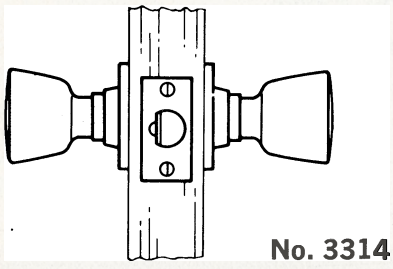
Conforms to Federal Specification 160N



No. 3310CS1

Closet Doors

Latch bolt by knob outside and small knob inside. Both knobs always free.



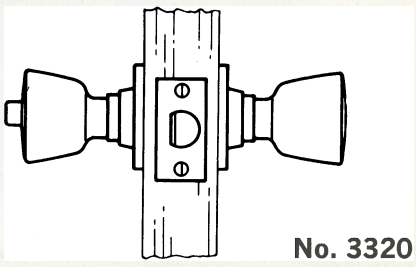
No. 3314

Exit Doors

Latch bolt by knob inside only. Inside knob always free. Outside knob always rigid. Dead locking latch.

Note: Should only be used on rooms with more than one entrance.

Conforms to Federal Specification 160NX

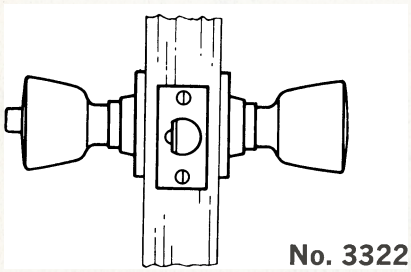


No. 3320

Bathroom And Bedroom Doors

Latch bolt by knob each side. Inside knob always free. Push button locks outside knob. Push button released by turning inside knob or closing door . . . also released by emergency key No. 1-4574 (see page 68) through outside knob.

Conforms to Federal Specification 160L

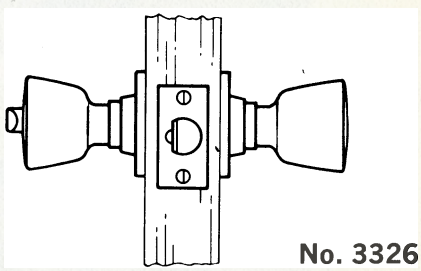


No. 3322

Residential Bedroom And Inner Office Door

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. No emergency release from outside. Turning inner knob or closing door releases push button. Dead locking latch.

Conforms to Federal Specification 160P



No. 3326

Exit Doors

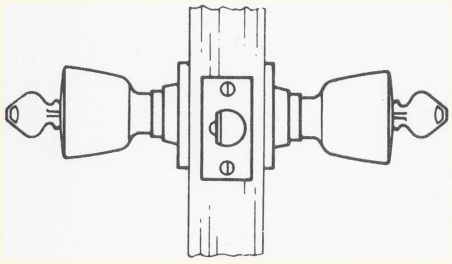
Latch bolt by knob either side. Turn button locks outside knob. Inside knob always free. Dead locking latch.

Conforms to Federal Specification 160Q

SPECIFY NUMBER (Pages 56-58) DESIGN, (Pages 53-55) HAND AND FINISH

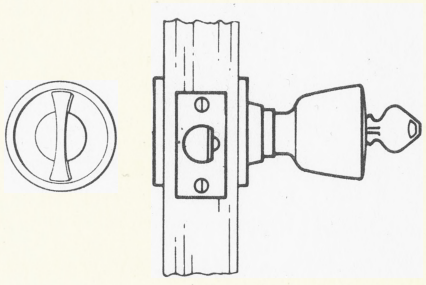
TEMPORARY CATALOG PAGE 56A

ADDITIONAL FORUM LOCKSET FUNCTIONS



No. 3351-1/2

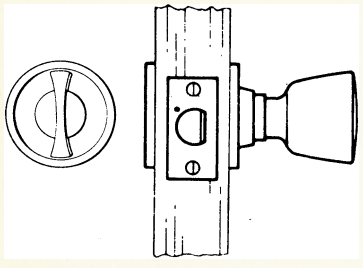
Institution doors - Latch bolt by key outside or knob inside. Outside knob rigid. Inside knob locked or unlocked by key in inside knob. Dead locking latch.



No. 3340-5/8FC1

Closet doors - Latch bolt by knob outside or flush cup turn inside. Inside turn always free. Outside knob locked or unlocked by key in outside knob. Dead locking latch.

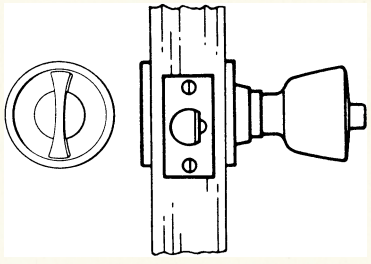
No. 3351-5/8: Same as above, except no inside operation -(blank rose inside) and outside knob is locked when key is removed.



No. 3310FC1

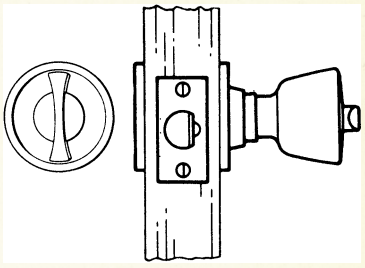
Closet or communicating doors - Latch bolt by knob outside and flush cup turn inside at all times.

No. 3316: Same as above except no inside operation - blank rose inside. Dead locking latch.



No. 3320FC1

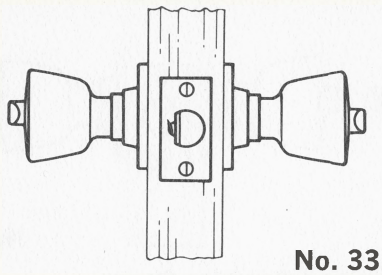
Communicating doors - Latch bolt by knob and flush cup turn except when flush cup turn is locked by push button in knob. Closing door or turning knob releases push button. Dead locking latch.



No. 3321FC1

Communicating doors - Latch bolt by knob and flush cup turn except when both are locked by turn button in knob. Dead locking latch.

7/65

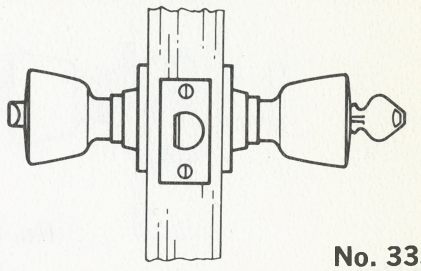


No. 3328

Communicating or Office Doors

Latch bolt by knob either side. Turn button in either knob locks both knobs. Door can be opened only when turn buttons on both sides are in unlocked position. Dead locking latch.

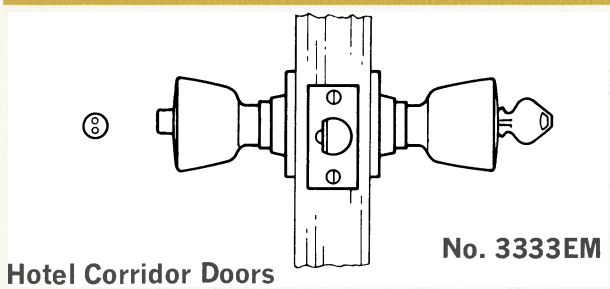
Conforms to Federal Specification 160M



No. 3330

Front, Rear And Office Doors

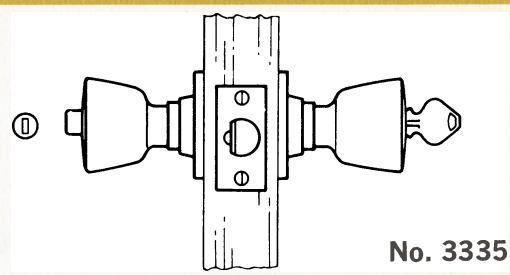
Latch bolt by knob either side. Inside knob always free. Turn button locks outside knob. Key retracts latch bolt when outside knob is locked.



No. 3333EM

Hotel Corridor Doors

Latch bolt by key only outside and knob inside. Outside knob always rigid. Inside knob always free. Push button shuts out all keys except emergency key and throws out visual occupancy indicator in face of cylinder. Either closing door or operating inside knob will release the shutout mechanism and retract the visual occupancy indicator unless button has been turned with spanner key, fixing it in locked position. Dead locking latch.

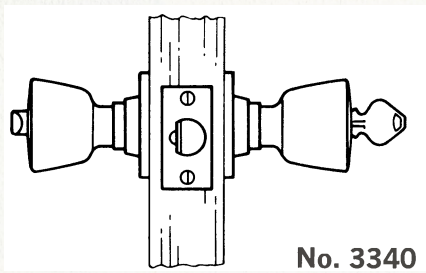


No. 3335

Rest Rooms And Public Service Station Doors

Latch bolt by knob either side. Push button locks outside knob. Latch bolt may be retracted by key in outside knob. Locking button released by turning inside knob, by key in outside knob or by closing door. Locking button has slot in head. Can be fixed in locked position by turning button with screw driver or coin. Dead locking latch.

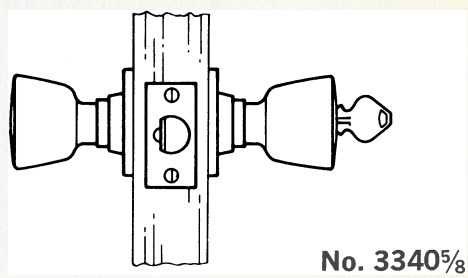
Conforms to Federal Specification 160E



No. 3340

Front, Rear And Office Doors

Latch bolt by knob either side. Inside knob always free. Turn button locks outside knob. Key retracts latch bolt when outside knob is locked. Dead locking latch. *Conforms to Federal Specification 160A*



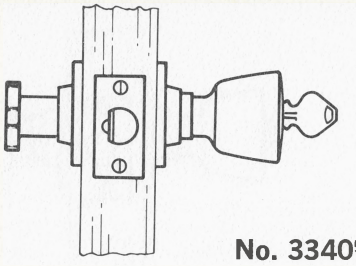
No. 3340⅝

Classroom, Vestibule And Utility Room Doors

Latch bolt by knob either side. Inside knob always free. Outside knob locked by key in outside knob. Dead locking latch.

Conforms to Federal Specification 160R

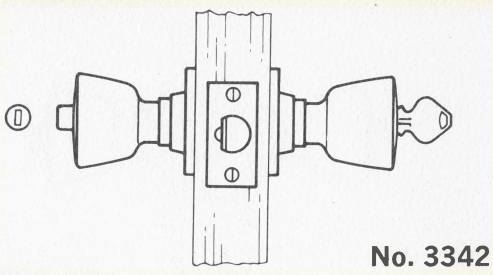
the Forum
CYLINDRICAL LOCKSETS



No. 3340 5/8 CS1

Closet Doors

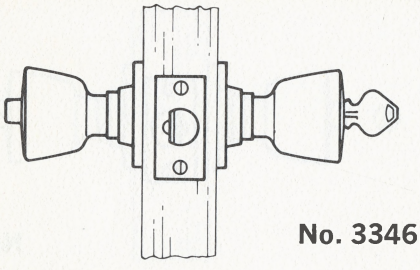
Latch bolt by knob outside and small knob inside. Inside knob always free. Outside knob locked or unlocked by key in outside knob. Dead locking latch.



No. 3342

Exterior And Corridor Doors

Latch bolt by knob either side. Push button locks outside knob. Turning key outside or knob inside releases locking button except when button is fixed in locked position by turning it with a coin or screwdriver. Closing door does not release locking button. Dead locking latch.

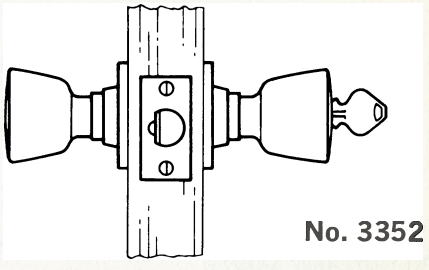


No. 3346

Exterior And Office Doors

Latch bolt by knob either side. Push button locks outside knob. Inside knob always free. Turning inside knob releases push button. Key retracts latch bolt and releases push button. Closing door does not release push button. Dead locking latch.

Conforms to Federal Specification 160B



No. 3352

Utility Room, Storeroom And Exit Doors

Latch bolt by inside knob only. Outside knob always rigid. Latch bolt may be retracted by key in outside knob. Dead locking latch.

Conforms to Federal Specification 160D

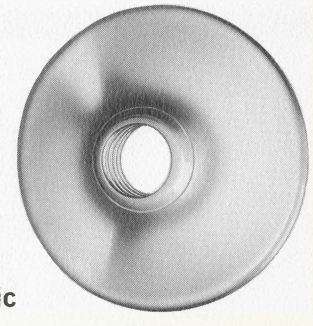
Special Roses



No. 953 Rockford

cold forged brass, bronze or aluminum

Can be used on the diamond. 3 x 3 in. square, may be used in place of regular rose when so ordered.



No. 3-933½ Cosmic

wrought brass, bronze or aluminum

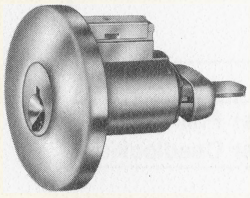
This 3½ in. diameter rose supplied in place of regular rose when so ordered.

Cylinders

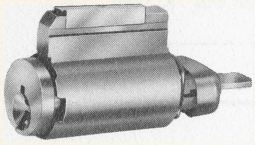
Specify Finish

Brass, 5-pin tumblers with key class 5D1.

All designs are also available with 6-pin tumblers, key class 6D1.



For use with Wrought designs.



For use with Cast designs.

Cylinder Number	Used With Design	For Use With Functions:
173F82	Ortem only	3330, 3340, 3335, 3346, 3352, 3342
173F83	All wrought designs except Ortem	
155F73	Sphere & Brunswick	
173F85	Ortem only	3340⅝, 3340⅝CSI
173F86	All wrought designs except Ortem	
155F74	Sphere & Brunswick	
186F79	Ortem only	3333EM
186F80	All wrought designs except Ortem	
186F78	Sphere & Brunswick	

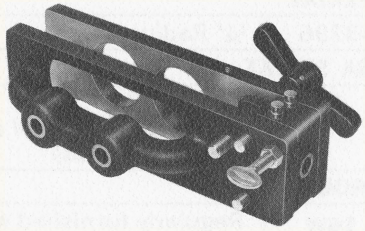
Keying Kit



No. B

All necessary pins and tools for keying of the Forum lockset cylinders are included in this kit. Container is of heavy metal with individual sections for each part and an itemized list of contents.

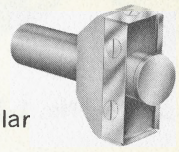
Boring Jigs



No. 1-2476

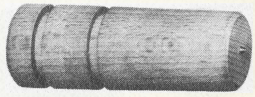
Easily adjusted to thickness of doors 1⅜ to 2 in. thick. For use in installing locksets for 2⅜, 2¾ or 5-in. backsets.

Latch Mortiser



For accurate mortising of regular 2¼ in. x 1 in. latch front.

No. 1-143

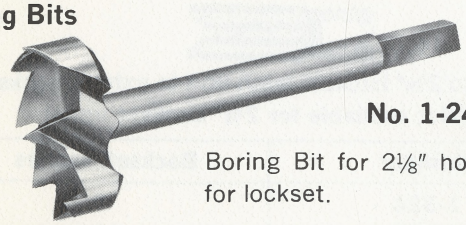


Strike Locator

Marks jamb for proper strike installation. Insert in latch hole with pointed tip outward; close door and force pointed tip against jamb to scribe center line of strike.

No. 1-149

Boring Bits



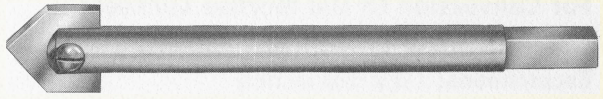
No. 1-2477

Boring Bit for 2⅛" hole in door for lockset.

Also available:

No. 1-2480 Replacement Blade

No. 1-2481 Driver ⅜" shaft



Boring Bit for 15/16" hole in door for latch unit.

No. 1-2478

15/16 x 6 in. Boring Bit

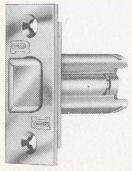
No. 1-2479

15/16 x 9 in. Boring Bit

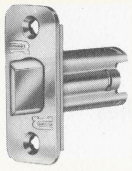
In addition to bits and jigs shown here, those shown on page 69 are also available for use with the Forum locksets.

the Forum
CYLINDRICAL LOCKSETS

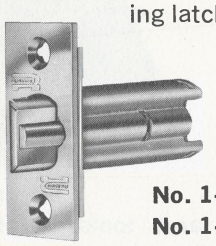
Reg. U.S. Pat. Off.
Marca Registrada



No. 1-3676 — 2⅜" b.s.
No. 1-3649 — 2¾" b.s.



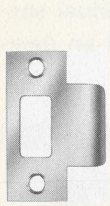
No. 1-3829 — 2⅜" b.s.
(No. 1-3899 with deadlocking latch — 2⅜" b.s.)



No. 1-3650 — 2⅜" b.s.
No. 1-3651 — 2¾" b.s.

LATCHES:

Number	Description
STANDARD 2⅜" BACKSET	
1-3676	Plain Latch
1-3650	Deadlocking
RADIUS 2⅜" BACKSET	
1-3829	¼" Round Corner Plain Latch
1-3899	¼" Round Corner Deadlocking
2¾" SPECIAL BACKSET	
1-3649	Plain Latch with 2¼" x 1⅛" Latch Face
1-3651	Deadlocking with 2¼" x 1⅛" Latch Face



No. 316



No. 1-3796



No. 16W

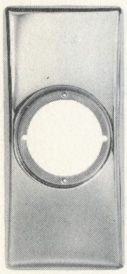


No. 317
A.S.A.

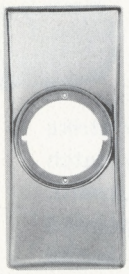
STRIKES:

Number	Description
REGULAR	
316	2¾" x 1⅛" Regularly furnished with 1¼" lip to center. 1", 1⅛", 1½", 1¾" and 2" lips available only when ordered.
SPECIAL	
1-3796	¼" Radius Corners
ASA STRIKE	
317	4⅞" x 1¼" (wrought box 16W available when ordered)
WROUGHT BOX	
16W	Regularly furnished with strike 316.

Modernization Kit No. R2535



OUTSIDE ESCUTCHEON



INSIDE ESCUTCHEON



LATCH PLATE



STRIKE

For Conversion Of Old Mortise Locksets

wrought brass or bronze

Escutcheons: 7¼ x 3⅜ inches

Strike: 1 x 5 inches, curved lip, 1¼ in. lip to center

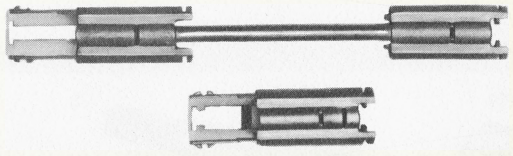
Latch Plate: 1 x 6 inches

Finishes: US3, US10, US26, US26D

packing and weight (approx): 1 to a box, 10 to a carton, 8 lbs per carton — instructions packed with each set

Also available: Kit No. R2536, Escutcheons 10½ x 3½ in., Latch Plate 8 x 1 1/16 in., Strike 5 x 1 in., Finish US3 only.

Extension Units



Attached to 2⅜" backset latch unit to extend backset as required. (Not available for 2¾" backset units)

Number	Backset, Inches
1-314	5
1-315	10
1-316	18
1-317	24

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



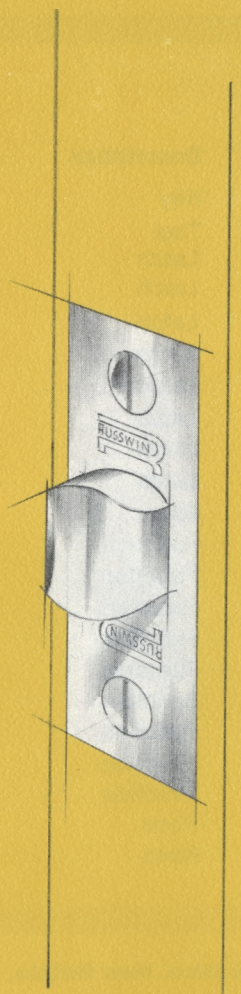
Ebbets Field Apartments
Brooklyn, New York

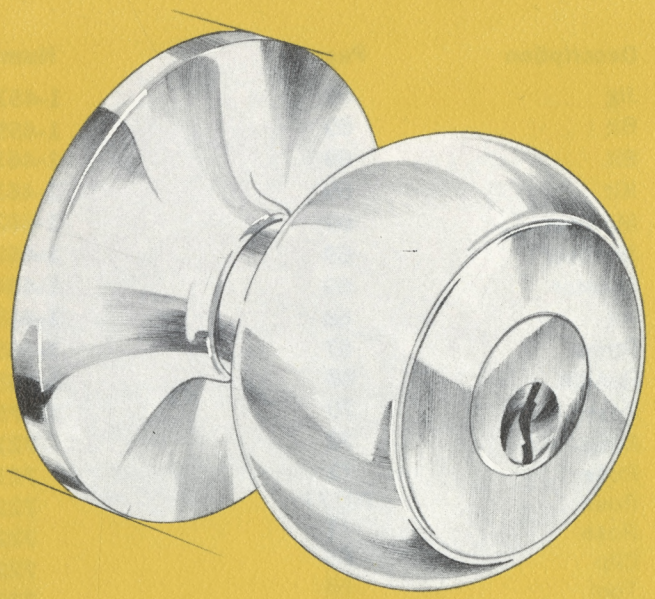
5 EXECUTIVE LOCKSETS—AUXILIARY ROSES

RUSSWIN®

the Executive
RESIDENTIAL LOCKSETS

AUXILIARY ROSES





the Executive
RESIDENTIAL LOCKSETS

Alphabetical Index

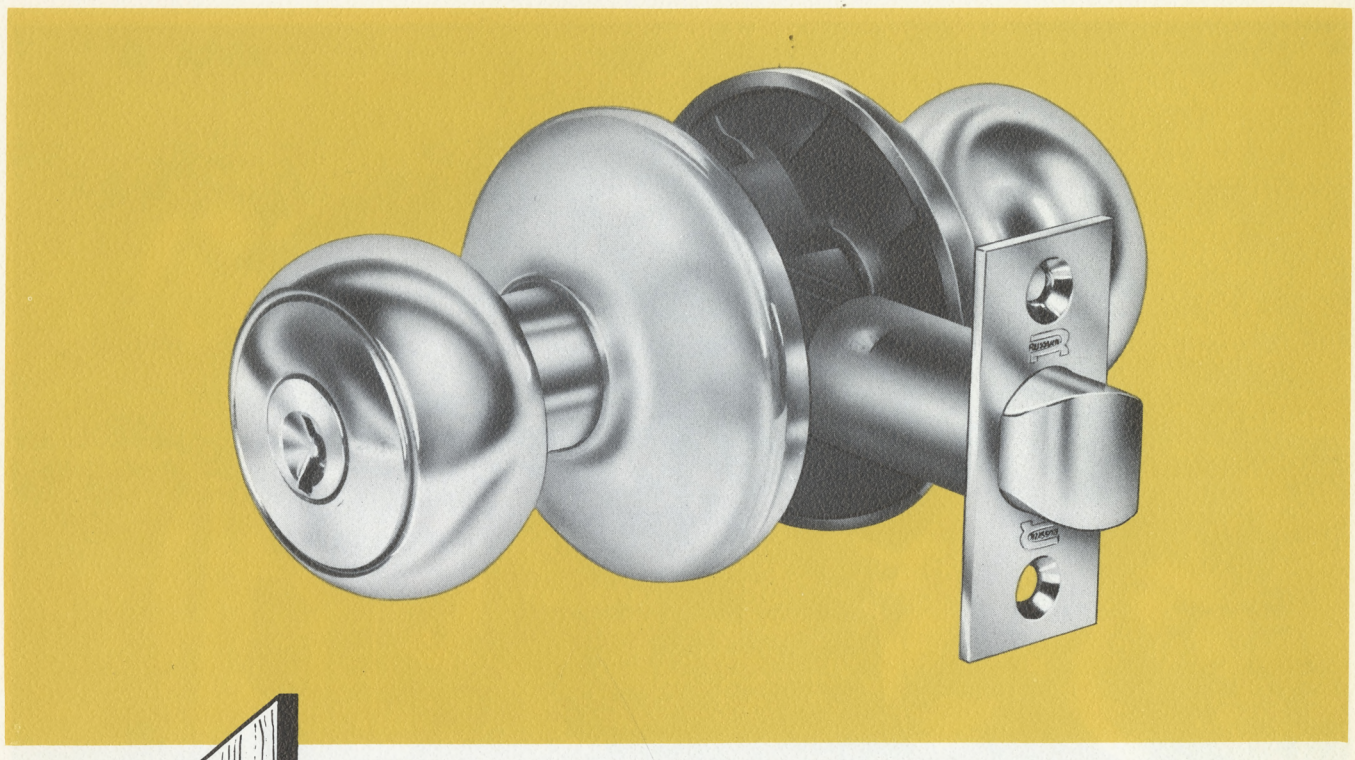
Description	Page
Aero Design	65
Aloha Auxiliary Rose	71
Apex Auxiliary Rose	72
Auxiliary Handle	68
Roses	70-72
Beacon design	65
Boring Bits	69
Jig	69
Brunswick Auxiliary Rose	70
Cosmic Auxiliary Rose	70
Cylinder Parts	68
Cylinders	68
Dallion Auxiliary Rose	71
Designs	65
Dummy Trim	64
Emergency Key	68
Faneuil Auxiliary Handle	68
Fantasy Auxiliary Rose	72
Functions	66
Installation Kit	69
Latch Mortiser	69
Units	67
Lee Auxiliary Rose	70
Modernization Kit	67
Mono Auxiliary Rose	70
Osmos design	65
Peacock Auxiliary Rose	72
Prisma Auxiliary Rose	71
Specifications	64
Strike Locator	69
Mortiser	69
Strikes	67
Working Trim	64

Numerical Index

Number	Description	Page
1-107	Jig	69
1-122	Bit	69
1-131	Bit	69
1-137-A	Kit	69
1-141	Mortiser	69
1-143	Mortiser	69
1-149	Locator	69
1-271-A	Kit	68
317	Strike	67
621	Handle	68
653¾	Rose	70
953¾	Rose	72
954	Rose	71
955½	Rose	70, 71
957½	Rose	71
1-1340	Clip	68
1-1467	Tool	68
1-1777	Spring	68
1-2437	Strike	67
R2535	Kit	67
R2536	Kit	67
1-2772	Tool	68
1-3796	Strike	67
1-4574	Key	68
1-4595	Tool	68
1-4614	Latch	67
1-4618	Latch	67
1-4624	Latch	67
1-4626	Latch	67
1-4648	Latch	67
1-4650	Latch	67
1-4656	Latch	67
1-4658	Latch	67
1-5757	Cover	68
7210	Function	66
7210C	Function	66
7223	Function	66
7226	Function	66
7227	Function	66
7230	Function	66
7230-5	Function	66
7240	Function	66
7240-5	Function	66
9510¾	Rose	72
9511	Rose	72

"the Executive" is a trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

RUSSWIN





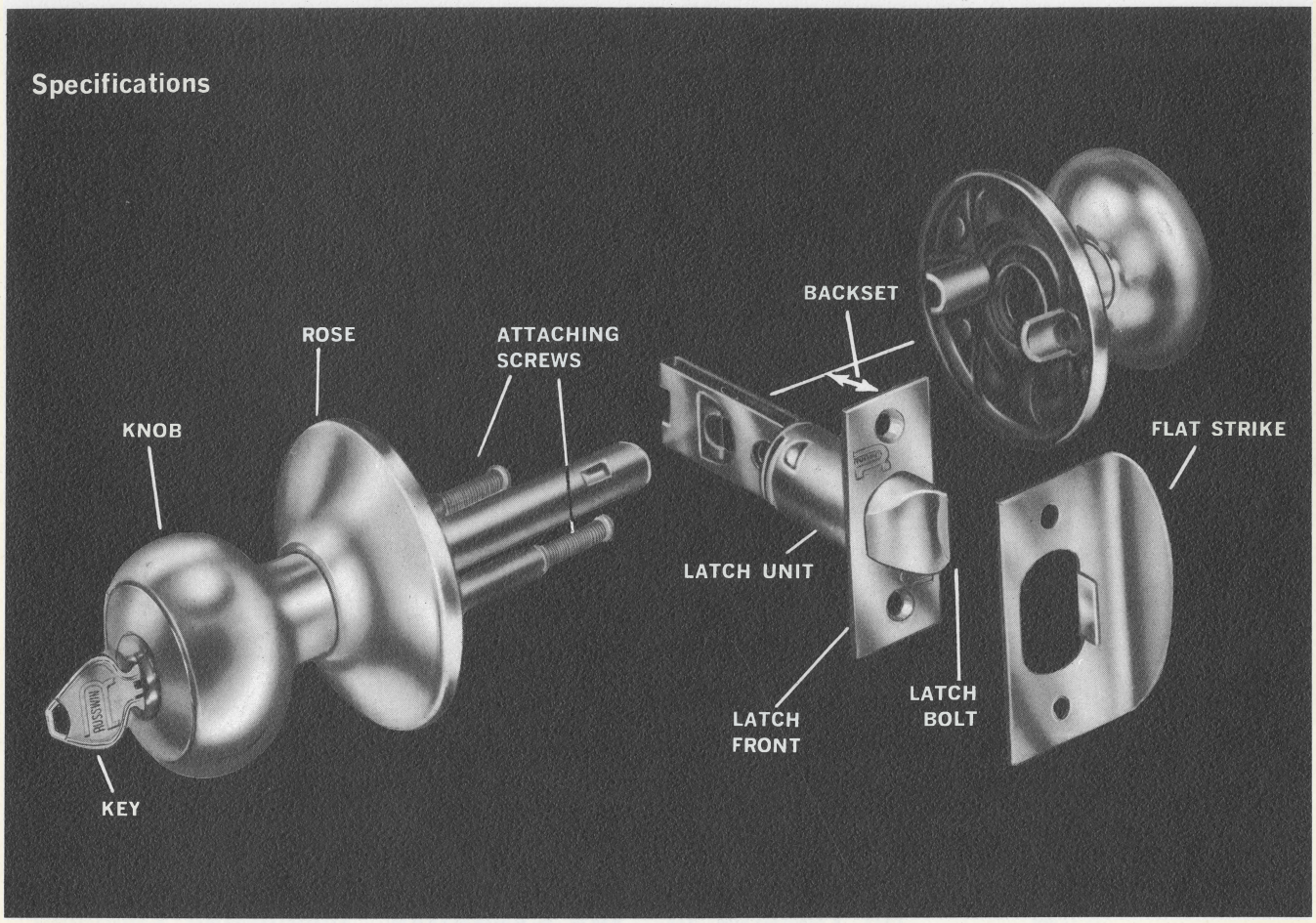
Smart to Look at . . . Fast to Install . . . Easy to Reverse All Featured in "the Executive" Residential Locksets by RUSSWIN

Everything good locksets *should* have "The Executive" line *has*—handsome styling, rugged construction, uncompromising security, top notch performance. This is a lockset engineered and designed for residential service and its many technical advantages confirm its wide-spread popularity. "The Executive" locksets enjoy both homeowner and builder acceptance alike because of their many intrinsic features that go along with their smart, decorative styling. They are installed in "no time" and can be easily reversed when required.

A one half-inch latch throw compensates for door shrinkage while tapered brass cylinder pins make for fast, easy key insertion. "The Executive" line of locksets by Russwin also features an all steel latch mechanism, an adjustable strike that eliminates door rattling and a durable finish which lasts. Complimenting "The Executive" line of locksets are a variety of roses.

"The EXECUTIVE" Locksets are the Discriminating Choice in Residential Installations.

the Executive
RESIDENTIAL LOCKSETS



Backset: 2⅜ in. regular. Functions 7230 and 7240 only can also be furnished with 5 in. backset. See page 66.

Latch Unit: Reversible, steel, 2¼ x 1 inch. See page 67 for types of latch units available.

Round Corners: Locksets available with ¼ in. radius round corners on Front and Strike. Prefix **RC** to number.

Front: Aluminum anodized (finished to match all standard finishes as required), size 2¼ x 1 in. See page 67 for various types of fronts available.

Latch Bolt: ½ in. throw.

Auxiliary Latch: Numbers 7226 and 7240 have auxiliary latch which deadlocks latch bolt preventing manipulation when door is closed.

Strikes: No. 1-3437, flat, regularly furnished, steel (finished to match all standard finishes as required), 2¼ x 1¾ in., curved lip 1¼ in. to center. Broad lip type for easy mortising. See page 67 for other strikes available.

Cylinder: See page 68.

Keys And Master-Keying: Two nickel-silver keys with each lockset, key class 751. For construction master key see page 172. Can be masterkeyed only with other locks having key class 751.

Knobs And Roses: Wrought brass, bronze or aluminum. See page 65.

Thickness Of Door: Adjustable for doors 1⅜ to 1¾ in. thick.

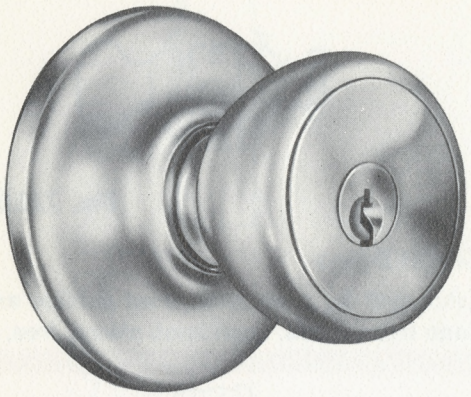
Hand Of Doors: Reversible.

Packing: One set per box with screws, flat strike, template and complete installation instructions.

Dummy And Working Trim: All designs available as half dummy trim. Specify ½D7200 x design, i.e., ½D7200 Beacon. Full dummy trim not available.

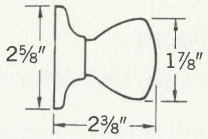
Half and full working trim is available in Osmos design only. For half working trim, specify ½W7200 Osmos. For full working trim, specify W7200 Osmos. SPECIFY DOOR THICKNESS.

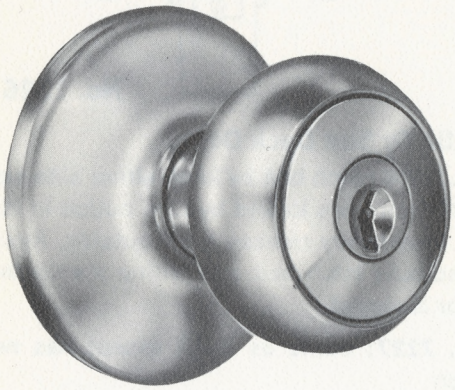
Designs



Aero

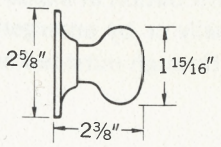
wrought brass, bronze or aluminum

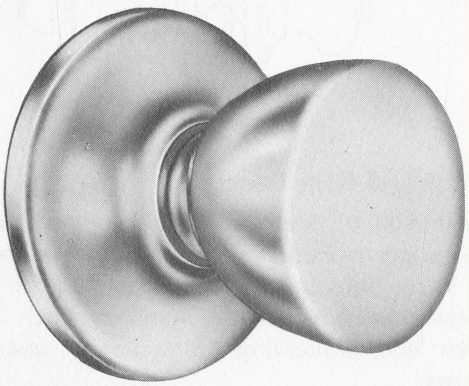




Beacon

wrought brass, bronze or aluminum

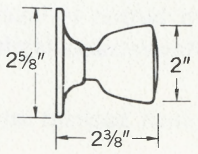




Osmos

wrought brass, bronze or aluminum

Available in non-key functions 7210 to 7227 only.

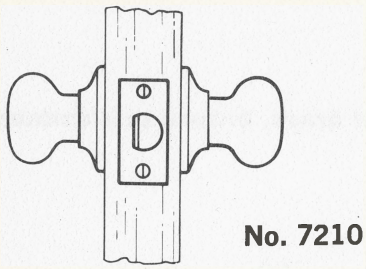


packing and weight (brass, approx):
1 per box, 1½ lb.; 30 per case, 45 lb.

For auxiliary roses, see pages 70-72.

SPECIFY NUMBER (PAGE 66), DESIGN, HAND AND FINISH

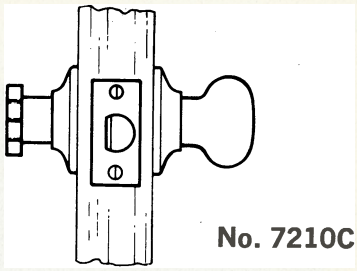
the Executive
RESIDENTIAL LOCKSETS



No. 7210

Passage And Closet Doors

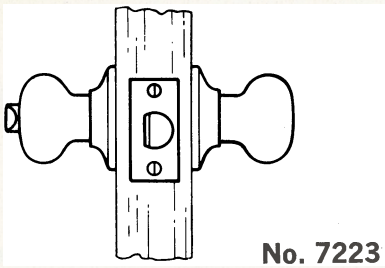
Latch bolt by knob either side. Each knob always free.



No. 7210C

Closet Doors

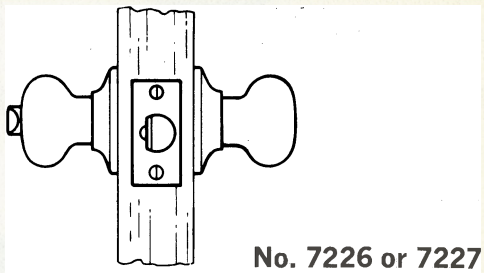
Latch bolt by plain knob from outside and knurled knob from inside. Each knob always free.



No. 7223

Bathroom Or Bedroom Doors

Latch bolt by knob either side except when both knobs are locked by turn button in inside knob. Turn button released manually or by emergency key No. 1-4574 (see page 68) through outside knob.

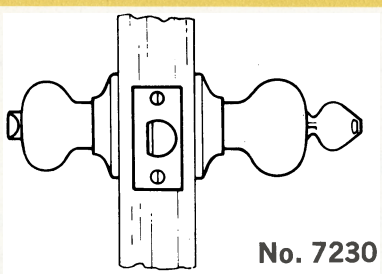


No. 7226 or 7227

Patio Or Sun Deck Doors

No. 7226 Latch bolt by knob either side except when both knobs are locked by turn button in inside knob. No emergency release from outside. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

No. 7227: Same as 7226 except has no auxiliary latch.

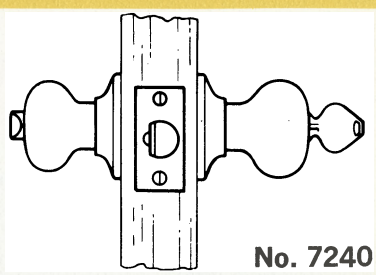


No. 7230

Front And Rear Doors

Latch bolt by knob either side except when both knobs are locked by turn button in inside knob or by key in outside knob. Key retracts latch bolt when outside knob is locked.

Can be furnished with 5 inch backset latch, specify No. 7230-5.



No. 7240

Front And Rear Doors

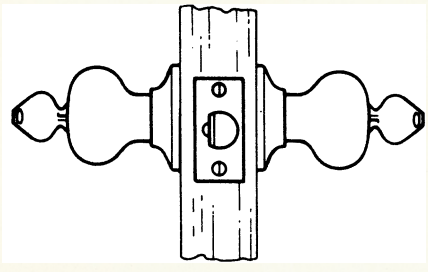
Latch bolt by knob either side except when both knobs are locked by turn button in inside knob or by key in outside knob. Key retracts latch bolt when outside knob is locked. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Can be furnished with 5 inch backset latch, specify No. 7240-5.

SPECIFY NUMBER, DESIGN (PAGE 65) HAND AND FINISH

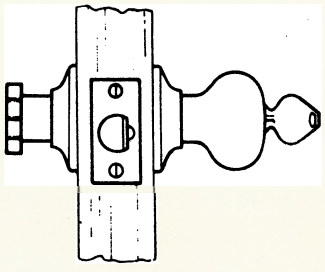
TEMPORARY CATALOG PAGE 66A

ADDITIONAL EXECUTIVE LOCKSET FUNCTIONS



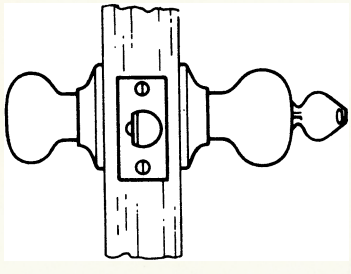
No. 7251-1/2

Institution doors - Latch bolt by key outside or knob inside. Outside knob rigid. Inside knob locked or unlocked by key in inside knob. Dead locking latch.



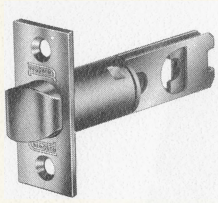
No. 7240-5/8CS

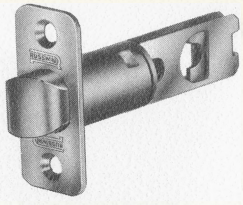
Closet doors - Latch bolt by knob outside and small knurled knob inside. Inside knob always free. Outside knob locked or unlocked by key in outside knob. Dead locking latch.



No. 7252

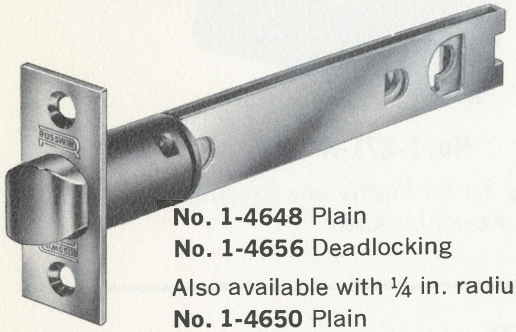
Exit doors - Latch bolt by key outside and knob inside at all times. Outside knob rigid. Dead locking latch.





No. 1-4614 Plain
No. 1-4624 Deadlocking

No. 1-4618 Plain
No. 1-4626 Deadlocking

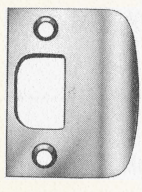


No. 1-4648 Plain
No. 1-4656 Deadlocking

Also available with ¼ in. radius corners:
No. 1-4650 Plain
No. 1-4658 Deadlocking

LATCHES:

Number	Description
2⅜" BACKSET	
1-4614	Standard Latch
1-4624	Standard Deadlocking Latch
1-4618	Round Corner ¼" Rad. Latch
1-4626	Round Corner ¼" Rad. Deadlocking Latch
5" BACKSET	
1-4648	Standard Latch
1-4656	Standard Deadlocking Latch
1-4650	Round Corner ¼" Rad. Latch
1-4658	Round Corner ¼" Rad. Deadlocking Latch







No. 1-3437 **No. 1-3796** **No. 317 A.S.A.**

STRIKES:

Number	Description
1-3437	Standard Strike
1-3796	¼" Radius Strike
317	Metal Jamb Strike (ASA-A115.1) (Packaged with machine & wood screws) 4⅞" x 1¼"

Modernization Kit No. R2535

For Conversion Of Old Mortise Locksets

wrought brass or bronze

Escutcheons: 7¼ x 3⅜ inches

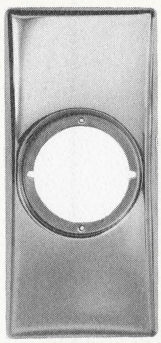
Strike: 1 x 5 inches, curved lip, 1¼ in. lip to center

Latch Plate: 1 x 6 inches

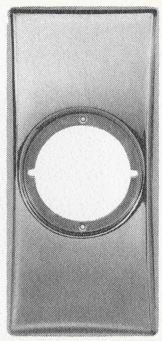
Finishes: US3, US10, US26, US26D

packing and weight (approx): 1 to a box, 10 to a carton, 8 lbs per carton — instructions packed with each set

Also available: Kit No. R2536, Escutcheons 10½ x 3½ in., Latch Plate 8 x 1 1/16 in., Strike 5 x 1 in., Finish US3 only.



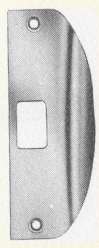
OUTSIDE ESCUTCHEON



INSIDE ESCUTCHEON



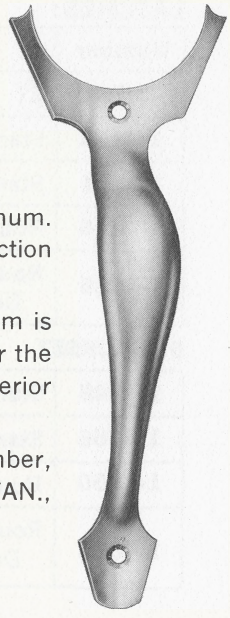
LATCH PLATE



STRIKE

the Executive
RESIDENTIAL LOCKSETS

Faneuil Auxiliary Handle
USED AS PULL ONLY



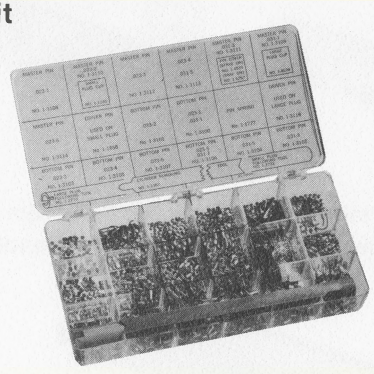
No. 621

Cast brass, bronze or aluminum. Handle size 9⅛ x 2⅝ in. Projection 2⅛ in.

When entrance handle type trim is desired, handle is placed under the outside rose of entrance or exterior door lock sets.

When ordering specify number, design and finish, i.e., 621 FAN., US10.

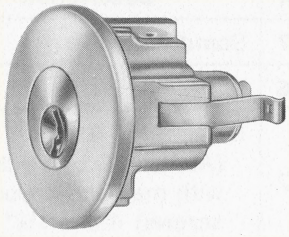
Keying Kit



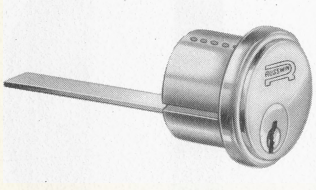
No. 1-271-A

Keying Kit for keying any Executive series Keyed Lockset.

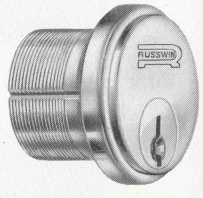
Cylinders



For use with keysets. 5 pin tumbler, key class 751. Specify finish.

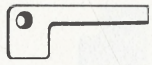
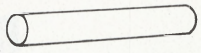
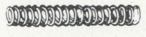
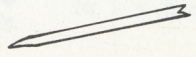


Rim type for night latches to be keyed in with Executive locksets.

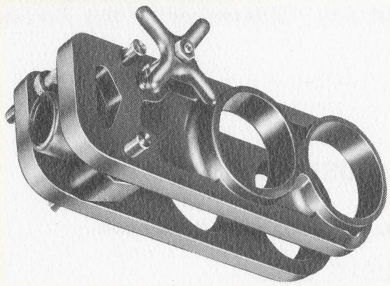


Mortise type for mortise locks to be keyed in with Executive locksets.

KEYING PARTS

	Part No.	
	1-4574	Emergency Key (for No. 7223)
	1-4595	Cylinder Retaining Spring
	1-1340	Small Diameter Plug Clip
	1-2772	Small Diameter Plug Following Tool
	1-5757	Tumbler Pin Cover Plate snap-on type
	1-1777	Tumbler Spring
	1-1467	Cylinder Removing Tool

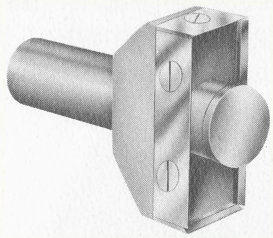
INSTALLATION AIDS



No. 1-107

Combination Jig

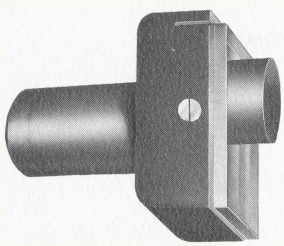
For 2⅜", 2¾" (Forum locksets only) and 5" backset installations. Assures accurate right angle holes for perfect lock fit. Individually packaged weight 3½ lbs.



No. 1-143

Latch Mortiser

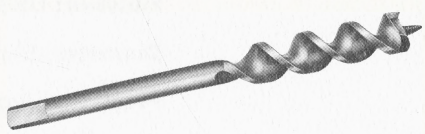
For cutting proper depth of latch face. Packaged weight (10 per box) 1½ lbs.



No. 1-141

Full Lip Strike Mortiser

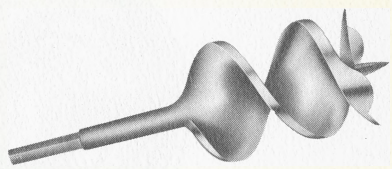
For cutting proper depth for full lip strike. Individually packaged wgt. ½ lb.



No. 1-122

15/16" Boring Bit

For ½" power drill. Packaged weight (6 per box) 3½ lbs.



No. 1-131

2⅛" Auger Bit

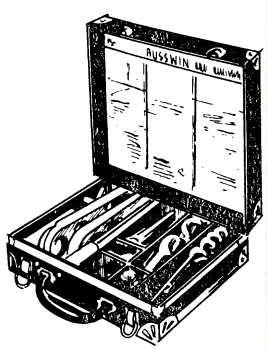
For ½" power drill. Packaged weight (2 per box) 2 lbs.



No. 1-149

Strike Locator

Marks jamb for proper strike installation. Insert in latch hole with pointed tip outward; close door and force pointed tip against jamb to scribe center line of strike.



No. 1-137

Installation Kit

No. 1-107	Two-hole jig
No. 1-131	Auger bit
No. 1-122	15/16" Boring Bit
No. 1-143	Latch Mortiser
No. 1-141	Strike mortiser
No. 1-1467	Cylinder removing tool
No. 1-149	Strike Locator

Individually packaged weight 10 lbs.

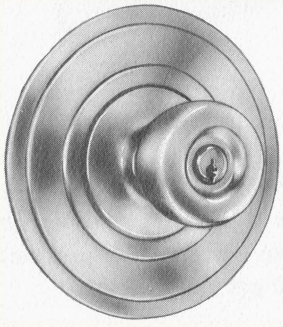
In addition to the bits and jigs shown here, those shown on page 59 are also available for use with the Executive locksets.

Auxiliary Roses

knobs shown for illustration purposes only

All roses shown here are designed for use under regular 2⅝ in. roses only of any "Stilemaker", "the Forum" or "the Executive" lockset equipped with a 5-inch backset.

Available in materials and finishes as listed



No. 955½ Cosmic (flat)

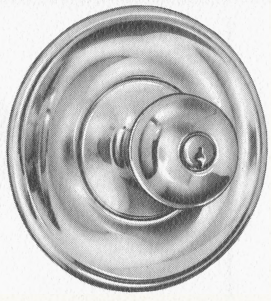
wrought brass, bronze or aluminum

Finishes: US3, US10, US28

Diameter: 5½ in.

Projection From Door: ¼ in.

packing and weight (approx): 10 per box, 2¼ lb per box



No. 955½ Brunswick (slightly concave)

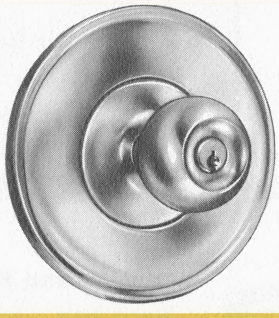
wrought brass or bronze

Finishes: US3, US10

Diameter: 5½ in.

Projection From Door: ¼ in.

packing and weight (approx): 10 per box, 2¼ lb per box



No. 955½ Mono (flat)

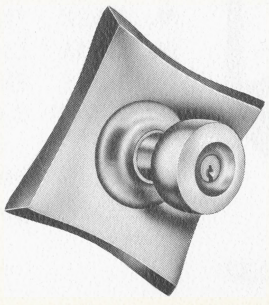
wrought brass, bronze or aluminum

Finishes: US3, US10, US28

Diameter: 5½ in.

Projection From Door: ¼ in.

packing and weight (approx): 10 per box, 2¼ lb per box



No. 653¾ Lee (slightly concave)

wrought brass

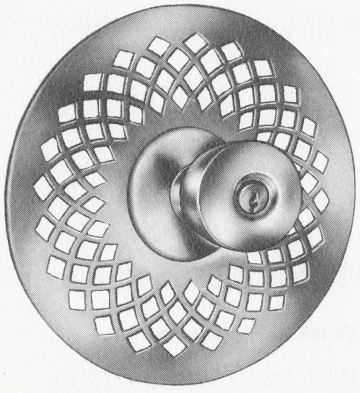
Finish: US3

Dimensions: 3¾ in. diameter

Projection From Door: ⅜ in.

packing and weight (approx): 1 per box, ¼ lb

SPECIFY NUMBER, DESIGN AND FINISH



No. 957½ Aloha (flat)

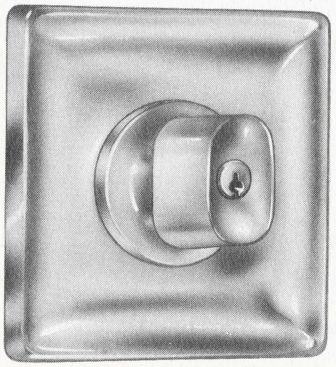
wrought brass or bronze

Finishes: US3, US10, US26, US26D

Diameter: 7½ in.

Projection From Door: ⅛ in.

packing and weight (approx): 1 per box, ⅓ lb



No. 955½ Prisma (slightly concave)

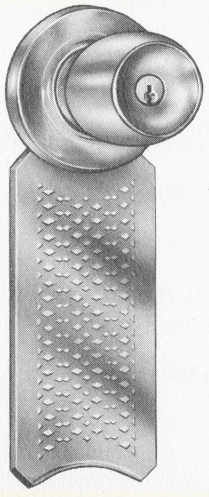
wrought brass, bronze or aluminum

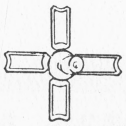
Finishes: US3, US10, US26D, US28

Dimensions: 5½ in. on the square

Projection From Door: ½ in.

packing and weight (approx): 1 per box, ½ lb







No. 954 Dallion (flat)

wrought brass or bronze

Finishes: US3, US10, US26, US26D

Dimensions: 5⅝ x 2¼ in.

Projection From Door: ⅛ in.

packing and weight (approx): 4 per box ⅛ lb each

May be used in various positions and combinations as shown.

SPECIFY NUMBER, DESIGN AND FINISH

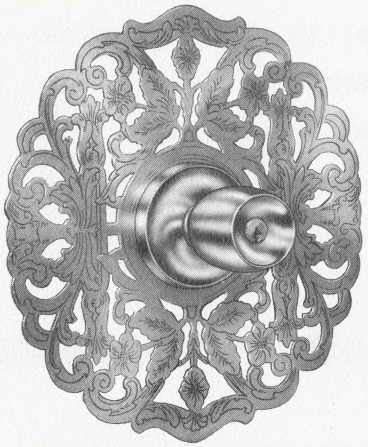
Auxiliary Roses

Reg. U.S. Pat. Off.
Marca Registrada

knobs shown for illustration purposes only

All roses shown here are designed for use under regular 2⅝ in. roses only of any "Stilemaker", "the Forum" or "the Executive" lockset equipped with a 5-inch backset.

Available in materials and finishes as listed.



No. 9510¾ Peacock (flat)

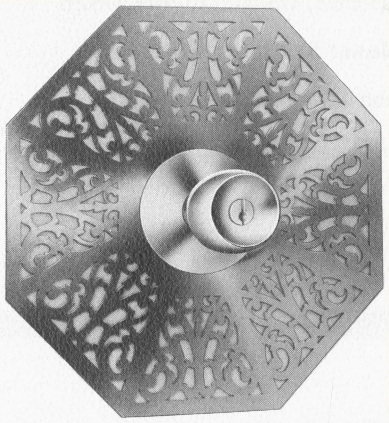
wrought brass or bronze

Finishes: US3, US10, US26, US26D

Dimensions: 10¾ x 10 in.

Projection From Door: ⅛ in.

packing and weight (approx): 1 per box, 1 lb



No. 9511 Fantasy (flat)

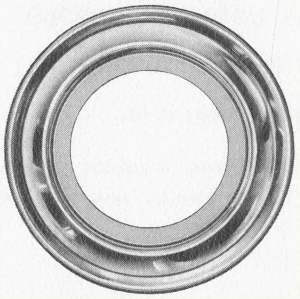
wrought brass or bronze

Finishes: US3, US10, US26D

Dimensions: 10¼ x 10¼ in.

Projection From Door: ⅛ in.

packing and weight (approx): 1 per box, ½ lb



No. 953¾ Apex (flat)

wrought brass, bronze or aluminum

For use under regular 2⅝ inch roses of "Executive" locksets with 2⅜ inch or 5 inch backset.

Finishes: US3, US10, US26D, US28

Diameter: 3¾ in.

SPECIFY NUMBER, DESIGN AND FINISH

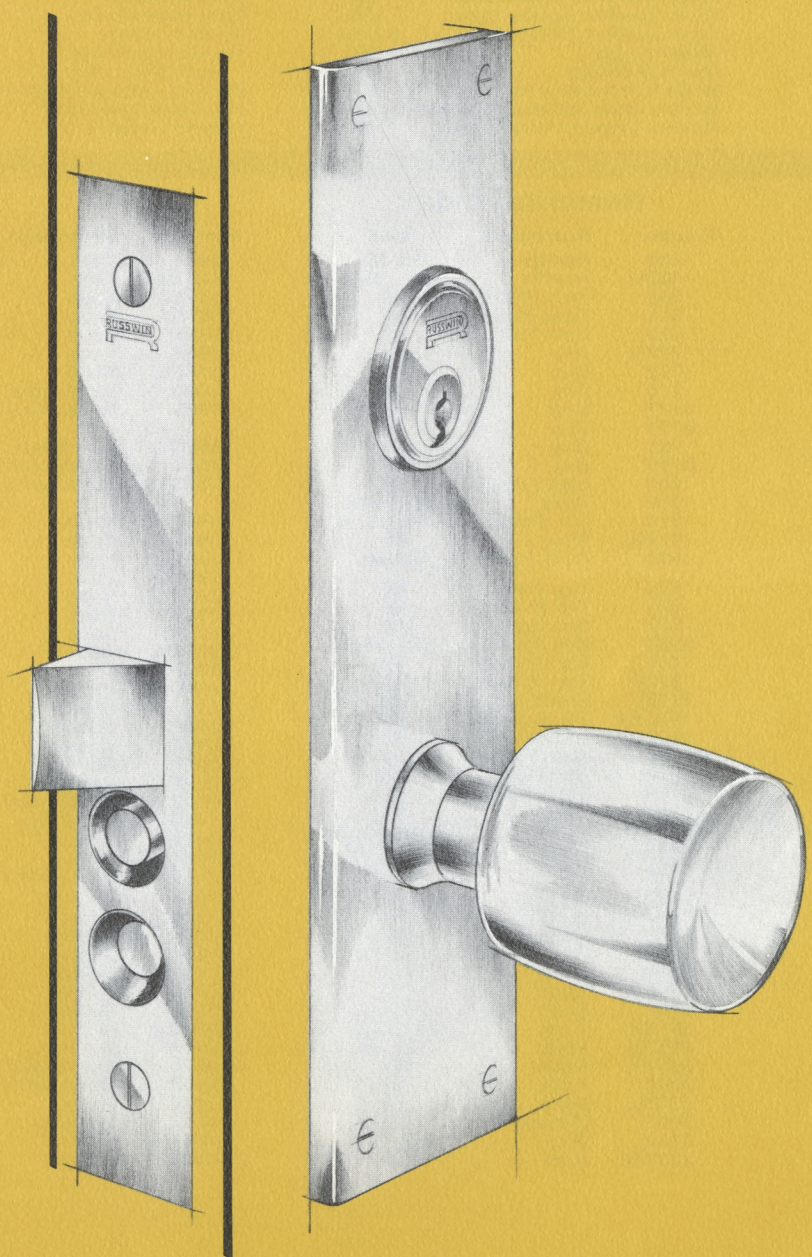
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



University of Illinois
Staff and Administration Offices
Chicago, Illinois

RUSSWIN®

MORTISE DESIGNS — ACCESSORY LOCK TRIM



MORTISE DESIGNS and ACCESSORY LOCK TRIM

Alphabetical Index

Description	Page
Accessory lock trim	99-104
Auxiliary Spring	104
Berkeley design, knob and escutcheon sets	92
Berkeley design, store door sets	98
Brewster design	96
BriCo Stilemaker trim	95
BriRoc Stilemaker trim	95
Bristol design, sectional trim	85
Bristol design, Stilemaker trim	95
BriTem Stilemaker trim	95
Bromley design	79
Brunswick design, sectional trim	85
Circe design	80
Citation design	82
CitRoc design	83
ComCo Stilemaker trim	94
Comet Stilemaker trim	94
ComTem Stilemaker trim	94
Conair design	90
CosCo Stilemaker trim	94
Cosmic Stilemaker trim	94
CosMo design	89
CosRoc Stilemaker trim	94
Drop Handles	103
Enfield design	78
Entrance Handle Sets	96-98
Era Stilemaker trim	94
Exbrook design	98
Falmouth design	96
FlaCo Stilemaker trim	94
Flanders design	79
Flare Stilemaker trim	94
HadCo Stilemaker trim	95
Haddam design, sectional trim	92
Haddam design, Stilemaker trim	95
HadMo design	89
HadRoc Stilemaker trim	95
HadTem Stilemaker trim	95
Hale design	91
Hull design	98
Jet design	94
Kent design	97
Key Plates	99
Knob Screws	104
Knob Shanks	75
Knob Spindle Holders	104
Knob Spindles	100-102
Knob Symbols	75
Lenox knob and escutcheon sets	78
Lenox entrance handle sets	98
Lever handles, access. trim	100
Lever handles, designs	82, 83
Manor design	80
Medford design	86
MoCo Stilemaker trim	95
Modera knob and escutcheon sets	81
Modera entrance handle sets	96
Mono Stilemaker trim	95
MoTem Stilemaker trim	95
Oglethorpe design	87
Richmond design	93
Rockford design	90
Ronde designs, standard & deluxe	84
Royale design	82
RoyRoc design	83
Screws, knob	104
Sliding Door Escutcheons	102
Spear design	96
Spindle Holder	104
Spindles, knob	100-102
TeCo Stilemaker trim	94
TeMo design	88
Tempo Stilemaker trim	94
TeRoc Stilemaker trim	94
Tornay design	82
TorRoc design	83
Tower design	96
Turn Pieces	99
Tuscon design	91
Type knob shanks	75
Warden design	97
Warwick knob and escutcheon sets	81
Warwick entrance handle sets	98
Williamsburg design	86
Woburn design	93

Numerical Index

Number	Description	Page
B	Cyl. Collar	85, 92, 93
5	Spindle	100
10	Spindle	100
11	Spindle	100
12	Spindle	100
13	Spindle	100
15	Spindle	100
20	Holder	104
20	Spindle	101
20½	Spindle	101
21	Spindle	101
21½	Spindle	101
22	Spindle	101
30	Spindle	101
30	Spring	104
030	Key Plate	99
31	Spindle	101
031	Key Plate	99
031¼	Key Plate	99
32	Spindle	101
G40	Spindle	101
M40	Spindle	101
45	Spindle	101
052	Handle	103
053	Handle	103
053¾	Handle	103
056	Handle	103
66	Key Plate	85, 99
066	Turn Piece	85
66½	Key Plate	92, 93, 99
066½	Turn Piece	92, 93, 96-99
68	Key Plate	99
69	Key Plate	93, 99
069	Turn Piece	93, 99
070	Turn Piece	99
071	Turn Piece	99
074	Turn Piece	84, 99
80	Knob Screw	104
81	Knob Screw	104
83	Knob Screw	104
84	Knob Screw	104
95	Knob Screw	104
123	Handle	103
124	Handle	103
125	Handle	103
410	Handle	98
412	Handle	98
420	Handle	96, 98
420½	Handle	96, 98
568	Turn Piece	99
615	Push Plate	81
625	Door Pull	81
772½	Grip	98
773	Grip	96
775	Grip	96
0777	Grip	98
0779	Grip	98
781	Grip	98
0799	Grip	98
901	Escutcheon	92
902	Rose	92, 96-98
910	Cyl. Collar	84-86, 96, 98
911⅝	Rose	93
920	Turn Piece	85, 86
925	Key Plate	86
926	Key Plate	99
927	Key Plate	99
A930	Key Plate	84, 85
935	Escutcheon	92
972F	Escutcheon	102
T972F	Escutcheon	102
972½F	Escutcheon	102
T972½F	Escutcheon	102
1294	Turn Piece	99
2062	Handle	100
2148	Turn Piece	99
2372	Knob	85
F2376	Knob	78, 81, 85, 90
2383	Knob	92, 96-98
F2387	Knob	90, 92
2772	Handle	100
2773	Handle	100
2784	Handle	100
2784B	Rose	100
2852	Knob	93
2951¾	Knob	86
2952	Knob	86
2952¼	Knob	81, 85-87
2952½	Knob	85, 86
2952¾	Knob	87
2953	Knob	85
2953¼	Knob	87
3062	Handle	100
3112	Rose	85, 100
3112¼	Rose	85
3181	Rose	100
3181⅜B	Rose	100
3372	Knob	85
F3376	Knob	78, 81, 85, 90
F3387	Knob	90, 92
3842	Knob	88, 91
3842¼	Knob	89, 90, 91
3900	Escutcheon	81
3901	Escutcheon	79, 80, 81, 88, 89
3902½	Escutcheon	78
3903	Escutcheon	81, 90, 91
3935	Escutcheon	78-81, 88, 89, 90, 91
3942	Knob	80
3942¼	Knob	79, 80
3951¾	Rose	86
3951⅞	Rose	86, 87
3952	Knob	84
3952	Rose	85
3952¼	Knob	81
3952¼	Rose	84, 87
3952½	Rose	85
3986	Handle	82
3987	Handle	82
3988	Handle	82
3996	Handles	83
3997	Handles	83
3998	Handles	83
4903	Escutcheon	83
5410	Cyl. Collar	97
5420	Handle	97
5452	Knob	97
5490	Escutcheon	97
T7035	Spindle	102
T7039	Spindle	102
T7055	Spindle	102
T7059	Spindle	102
7238	Spindle	101
7240	Spindle	101
10013	Lockset	96, 98
10098½	Lockset	96, 98
13013	Lockset	96, 98
T15440	Escutcheon	97
21458	Knob Screw	104
21482	Knob	93
54013	Lockset	97
54098½	Lockset	97
54148	Lockset	97

Knob Symbols

We have endeavored to establish a system of knob symbols that will be simplified in form and easy to remember. For that reason knob symbols represent the types of material used in the knobs. The base symbols are **BK** for brass, bronze aluminum and stainless steel knobs.

In certain designs, however, there are more than one size knob although the knobs are of the same design. To distinguish between the sizes, numerals ranging from 1 to 7 have been inserted between initial and end letters of a symbol as **B1K, B2K** etc. Listed below are the various combinations with the size of knob listed for each numerical symbol.

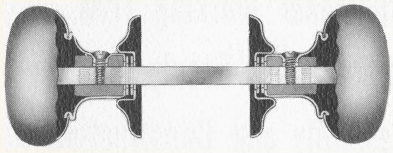
Where only one size knob is shown in a design the symbol **BK** may indicate any size knob, the dimension of which may be found in the design.

Knob Symbol	Description	Example
BK	Knob threaded — used where only one size knob occurs in any one design	1038 BK Berkeley
BKC	Knob, cast shank	1038 BKC Berkeley
B1K	1¾″ knob	
B2K	2″ knob	
B3K	2¼″ knob	1038 B3K Bristol
B4K	2½″ knob	
B5K	2¾″ knob	
B6K	3″ knob	
B7K	3¼″ knob	

(**B1K** – **B7K**: used where more than one size knob occurs in any one design)

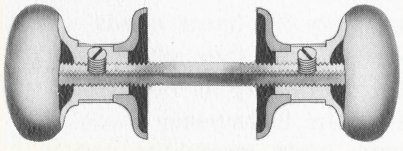
Methods of Mounting Knobs and Lever Handles and various types of Shanks

Plain Shank



Knobs with plain shanks are fastened to each end of spindle by screws in side of knob shank. The spindles have three threaded holes in each end to allow adjustment to various door thicknesses. The shanks fit into the cups or thimbles of the rose or escutcheon which permits a little loose play. Knob washers may be added to obtain proper adjustment. Used with wrought knobs and cast lever handles as noted in this section.

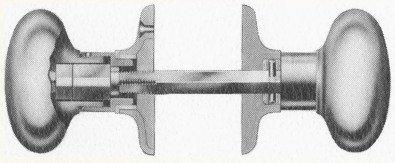
Simplex Shank



Knobs with simplex shanks are fastened to spindle by screwing knob shanks to each end of threaded spindle which allows a close adjustment. After adjustment on the spindle, knobs are held in place by set screws. This type of knob permits a close fit with entire freedom of action, the shank resting on the thimble rather than fitting loosely. Used with wrought or cast knobs and cast lever handles as noted in this section.

Can be furnished with outside knob pinned to spindle when so ordered.

Screwless Shank



Outside knob fastened to spindle by pin which is concealed by rose or escutcheon. Inside knob fastened by means of adjustable nut and spacer threaded to spindle. The adjustable nut and spacer are concealed by sleeve threaded to shank; wrench is used to tighten sleeve to shank.

This type of mounting affords the most accurate and closest possible adjustment. Used with cast shank knobs, cast knobs and cast lever handles in this section only as listed and with Stilemaker Working trim.

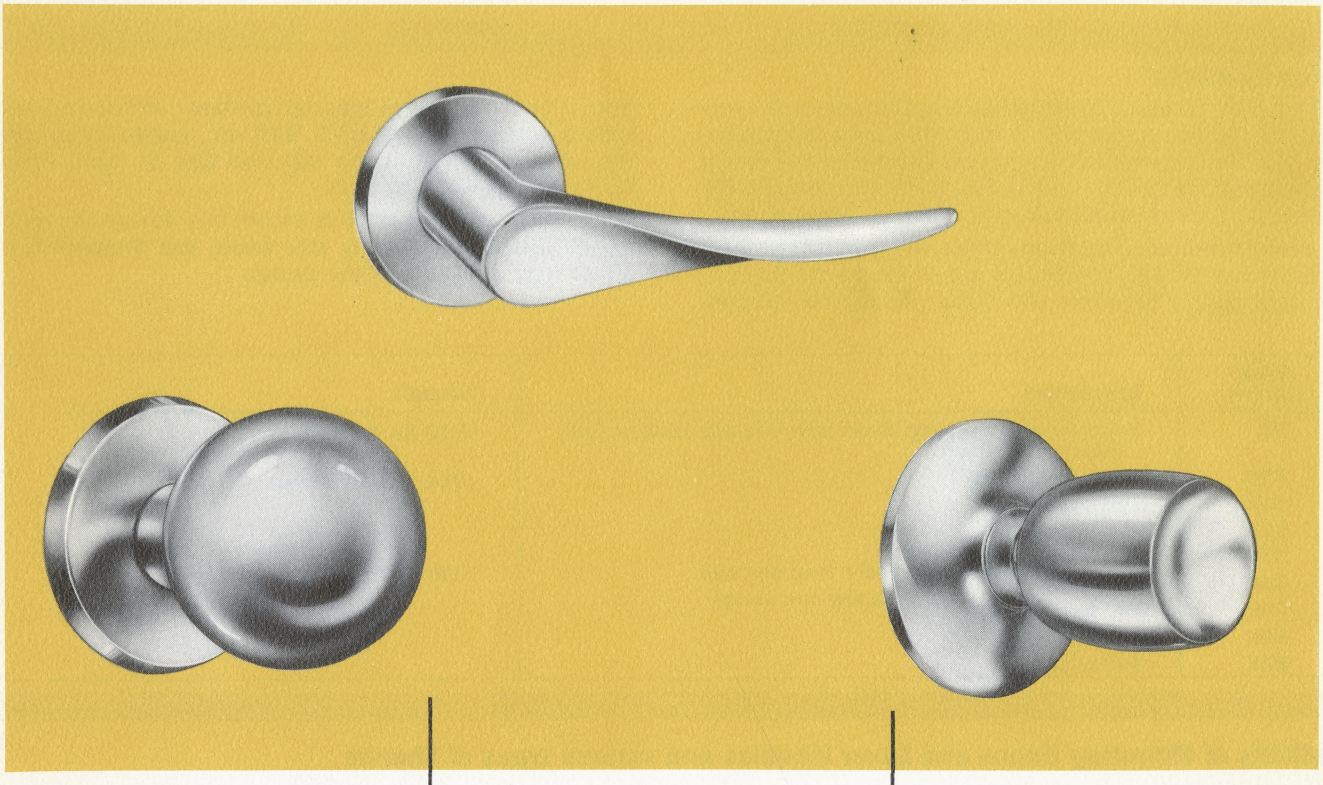
Regular Shank Diameter — ¾ inch

Knobs and lever handles listed with regular shank diameter can be used with any roses with the same type of shank diameter.

Special Shank Diameter

Knobs or lever handles listed with special shank diameter can be used with roses only with the corresponding special shank diameter.

MORTISE DESIGNS
and ACCESSORY LOCK TRIM



Cast and Wrought Designs to "Harmonize" with Every Style of Architecture

From authentic period to the latest in contemporary — the sharp, graceful lines and durable finishes of Russwin cast and wrought designs are the hallmark of beauty, security and utility. Balanced proportions in knobs, roses and escutcheons reflect the careful construction of superior craftsmanship and assure firm, smooth operation for years on end.

A variety of Matching Door Pulls and Push Plates in Catalog Section 11.

See Pages 78-93

New Designs in Lever Handles are Both Functional and Aesthetic

Striking new contours built into Russwin's new Lever Handles give them a smart "Continental Look". A spring in the lever handle provides positive return action and prevents sag while extra long and strong bearing insures added strength. Exclusive torque release feature prevents damage to lock while adding years of trouble-free service.

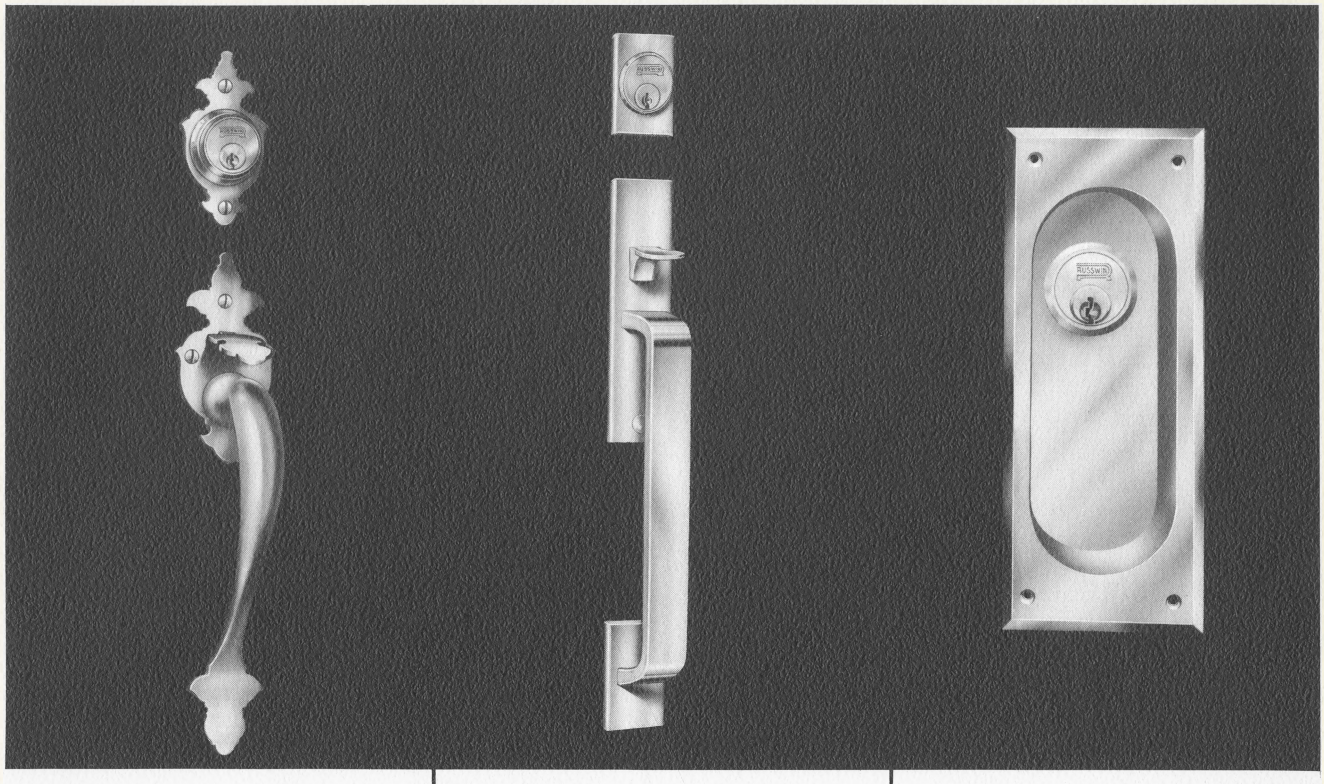
See Pages 82-83

Stilemaker Working Trim... Dedicated to Beauty, Flexibility and Construction

Beauty that captures the imagination in doorware design — smart, decorative, different — and made from only the finest woods and metals. And, they offer broad design flexibility as well as wide selections. Extra-heavy precision-made parts guarantee velvet-smooth action.

See Pages 94-95

For types of knob shanks see page 75; spindles, page 101.



Residential Entrance Handle Sets — A Lifetime of Beauty and Service

By incorporating sturdy, precise construction into its Exterior Door Locksets, Russwin has combined enduring security and service with a "master's touch" of beauty and charm that is a pleasure to see and touch. There's a Russwin handle set for every style of architecture and a standard of craftsmanship that keeps its promise of long-life and lasting beauty.

See Pages 96-97

RUSSWIN Store Door Handle Sets Combine High Styling with High Frequency Service

The entrance Door Handle Set to a building is the first detail to reflect the owner's taste and judgement of doorware values. The bold beauty of these modern sets commands instant customer attention. The quality craftsmanship inherent in their rugged, precision-made parts earns the respect of every proprietor. For real economy and genuine satisfaction, choose Russwin Store Door Handle sets.

See Pages 96-98

Accessory Lock Trim — Lever Handles — Turn Pieces, etc. in a Wide Variety of Designs, Sizes and Finishes

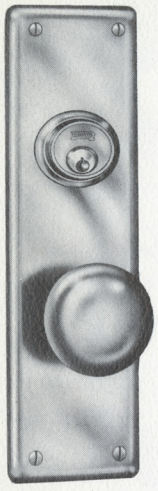
You can select from a complete line of Doorware Accessories Russwin-designed and engineered to compliment every taste, every budget. Every part has been created to provide long wear and lasting beauty.

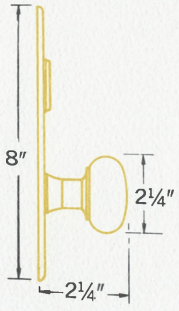
- Lever Handles
- Escutcheons
- Knob Spindles
- Turn Pieces
- Key Plates

See Pages 99-104

MORTISE DESIGNS

Cast Escutcheons — Cast or Heavy Cold Forged Knobs





Enfield design

Commercial . . . Symbol: Enf

brass, bronze or aluminum

Cast escutcheons. Heavy cold forged (.080 thick) knobs.

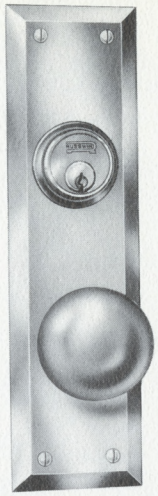
Knobs and Escutcheons

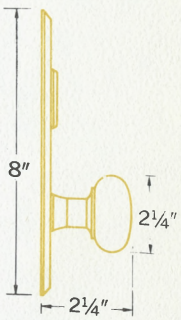
Number	Knob Symbol	Description
F2376	BK	Knob, Simplex shank, 5/16 in. spindle
F3376	BKS	Knob, screwless shank, 5/16 in. spindle
3902½	....	esc. for cylinder locks, 8 x 2½ in.
3935	....	esc. for bit key locks, 8 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BK Enf. US10. This set consists of the following:

Lock		Knob	Escutcheons		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	F2376	3902½	B3902½	6





Lenox design

Commercial . . . Symbol: Lnx

brass, bronze or aluminum

Cast escutcheons. Heavy cold forged (.080 thick) knobs.

Knobs and Escutcheons

Number	Knob Symbol	Description
F2376	BK	Knob, Simplex shank, 5/16 in. spindle
F3376	BKS	Knob, screwless shank, 5/16 in. spindle
3902½	....	esc. for cylinder locks, 8 x 2½ in.
3935	....	esc. for bit key locks, 8 x 2½ in.
926	....	See page 99
927	....	See page 99

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BK Lnx. US10. This set consists of the following:

Lock		Knob	Escutcheons		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	F2376	3902½	B3902½	6

When ordering escutcheons only, specify lock with which they are to be used. For escutcheons with turn pieces, prefix **T1** to number; for blank escutcheons, prefix **B;** for emergency key escutcheons, prefix **A**.

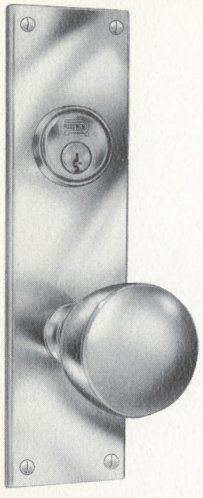
Escutcheons can be furnished with lugs and through bolts for use on kalamein doors, prefix **L** to number.

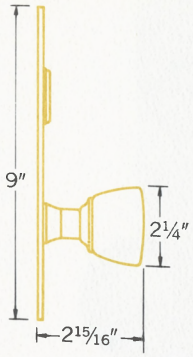
For locksets with screwless shank knobs, change **BK** to **BKS,** i.e., 1038BKS.

For unit locks, see page 4. See Section 11 for matching Pulls and Push Plates.

Any design Stilemaker Knob (Section 3) may be furnished in place of regular knob when ordered.

Suggested Finishes: US3 polished brass; **US4** satin brass; **US10** satin bronze; **US26** polished chrome; **US26D** satin chrome; **US28** satin aluminum anodized.





Flanders design

Modern Period . . . Symbol: Fla

cast brass, bronze or aluminum

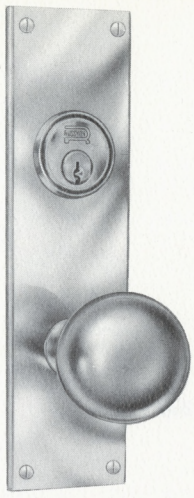
Knobs and Escutcheons

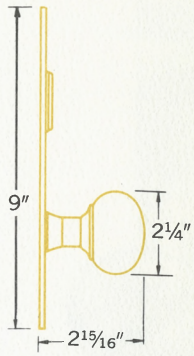
Number	Knob Symbol	Description
3942¼	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Fla. US10. This set consists of the following:

Lock			Escutcheon		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3942¼	3901	B3901	6





Bromley design

Modern Period . . . Symbol: Bro

cast brass, bronze or aluminum

Knobs and Escutcheons

Number	Knob Symbol	Description
3942¼	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Bro. US10. This set consists of the following:

Lock			Escutcheon		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3942¼	3901	B3901	6

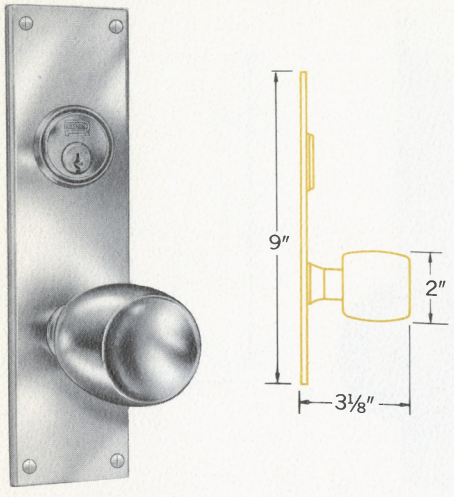
When ordering escutcheons only, see page 78 for ordering information.

Escutcheons in BRASS OR BRONZE ONLY can be furnished with lugs and through bolts: prefix **L** to number. All others can be furnished with sex nuts and bolts.

Suggested Finishes: US10, satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized.

MORTISE DESIGNS

Cast Escutcheons — Cast or Heavy Cold Forged Knobs



Circe design

Modern Period . . . Symbol: Cir

cast brass, bronze or aluminum

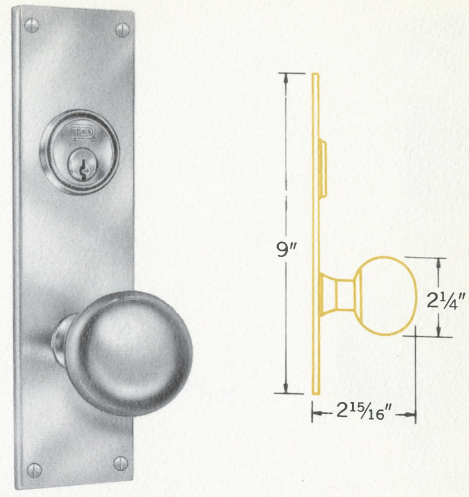
Knobs and Escutcheons

Number	Knob Symbol	Description
3942	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Cir. US10. This set consists of the following:

Lock			Escutcheon		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3942	3901	B3901	6



Manor design

Modern Period . . . Symbol: Man

cast brass, bronze or aluminum

Knobs and Escutcheons

Number	Knob Symbol	Description
3942¼	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

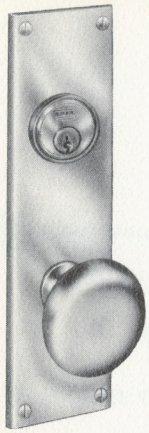
Ordering Information

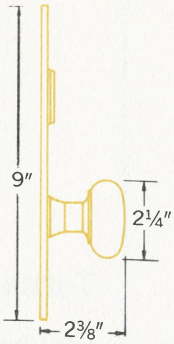
Specify lock number, knob symbol, design and finish, i.e., 1038WE Man. US10. This set consists of the following:

Lock			Escutcheon		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3942¼	3901	B3901	6

When ordering escutcheons only, see page 78 for ordering information.
See page 79 for information on escutcheons with lugs and through bolts.

Suggested Finish: US10 satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized.





Modera design

Modern Period . . . Symbol: Modera

brass, bronze, aluminum or stainless steel

Cast escutcheons,* heavy cold forged (.080 thick) knobs.

Knobs and Escutcheons

Number	Knob Symbol	Description
F2376	BK	Knob, Simplex shank, 5/16 in. spindle
F3376	BKS	Knob, screwless shank, 5/16 in. spindle
3901	....	For cylinder locks, 9 x 2½ in.
3935	....	For bit key locks, 9 x 2½ in.

*Cast in brass and bronze, extruded in aluminum and stainless steel.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BK Modera US10. This set consists of the following:

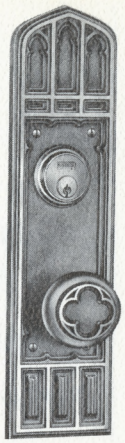
Lock			Escutcheons		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	F2376	3901	B3901	6

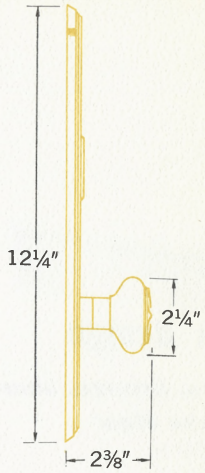
Knobs listed here are not available in stainless steel. When stainless steel knobs are desired, specify either No. 3842¼ Cosmic or 3842¼ Haddam. See page 34.

For unit locks, see page 4.

See page 79 for information on escutcheons with lugs and through bolts.

Suggested Finish: US10 satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized, **US32D** satin stainless steel.





Warwick design

Gothic Period . . . Symbol: War

cast brass or bronze

This design not available in bitted key locks.

Knobs and Escutcheons

Number	Knob Symbol	Description
2952¼	BK	Knob, Simplex shank, 5/16 in. spindle
3952¼	BKS	Knob, screwless shank, 5/16 in. spindle
3900	....	For cylinder locks; outside, 12¼ x 3¼ in.
3903*	....	For cylinder locks; inside, 9¼ x 2¾ in.

*When two-cylinder locks are specified, inside escutcheon will be same size as outside escutcheon.

Related Trim

615	Push plate, 15 x 3½ in.
625	Door pull, 15 x 3½ in., 2¼ in. projection

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BK War. US10. This set consists of the following:

Lock			Escutcheons		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	2952¼	3900	B3903	7

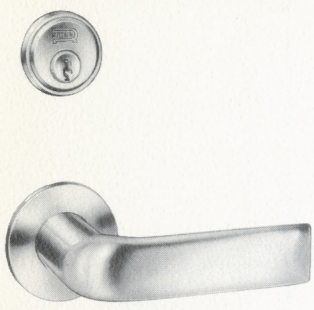
Suggested Finish: US10 satin bronze.

For locksets with screwless shank knobs, change symbol **BK** to **BKS,** i.e., 1038BKS.

When ordering escutcheons only, see page 78 for ordering information.

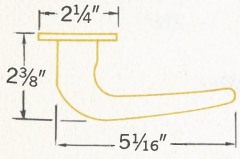
MORTISE DESIGNS

Cast Roses — Cast Levers

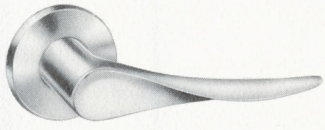


Citation design

cast brass, bronze, aluminum or stainless steel

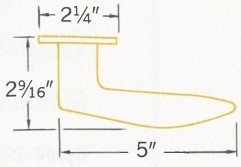




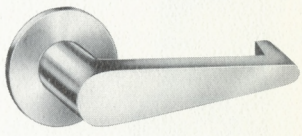


Royale design

cast brass, bronze or aluminum

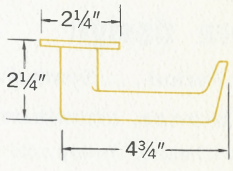






Tornay design

cast brass, bronze or aluminum



Pairs of lever handles are reversible (except when furnished with torque release feature). Lever handle x knob sets are not reversible, specify hand.

For use with Ten Strike and 3000 series mortise locks. Other locks available on application.

Door Thickness: for 1¾, 2, 2¼, 2½, 2¾ and 3 inch doors only.

Torque Release feature: When subjected to undue pressure the lever will release without unlocking the lock and return to normal position. With this feature, possibility of damage to lock is minimized. **NOTE: Available on outside handle only and on split hub locks only (locks with stop works or outside knob rigid).** When locksets are ordered, this feature will be furnished regularly with locks to which it applies. When ordering Pairs of Levers only (or Lever x Knob only — when lever is on outside) prefix **T** to number, i.e., T3986W Citation, etc.

Levers and Knobs

Number	Lever Symbol	Door Material	Description
3986W x design	L	Wood	Pair lever handles and roses, for both sides of door
3987W x design	....	Wood	One lever handle and rose, for one side of door
3988W x design	LK	Wood	One lever handle and rose x knob* one side of door
3986M x design	L	Metal	Pair lever handles and roses, for both sides of door
3987M x design	....	Metal	One lever handle and rose, for one side of door
3988M x design	LK	Metal	One lever handle and rose x knob* one side of door

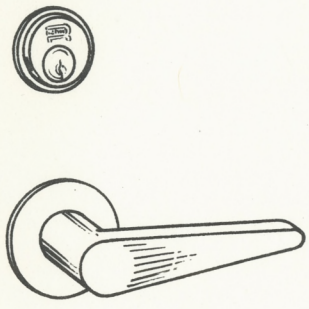
*Flare knob and rose. If other knob and rose required specify single lever handle (3987W or 3987M) x knob and rose required.

Ordering Information

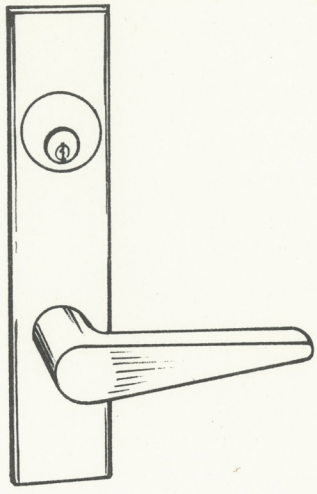
Specify lock number, lever symbol, design, hand, door thickness and finish; i.e., 1038L Tornay, RH, 1¾ dr., US10. (Note that this example is for lever handles both sides, for Flare knob one side change lever symbol to LK, i.e., 1038LK Torney, etc.)

Suggested Finishes: US10 satin bronze, **US26** polished chrome, **US26D** satin chrome, **US28** satin aluminum, anodized (also available for Citation design only: **US32** polished stainless steel, **US32D** satin stainless steel).

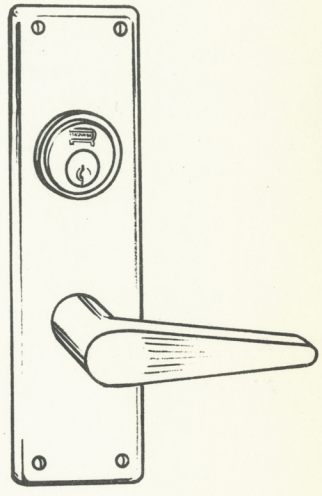
TEMPORARY CATALOG PAGE 82C



Darcy Design



DarMo II Design



DarRoc Design

Cast brass, bronze, aluminum or stainless steel *

Darcy Design

Rose: 2-1/4 in. diameter.

Door Thickness: For 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4 and 3 inch doors only.

Ordering Information: See page 82 for complete ordering information.

DarMo II Design

Escutcheons: 8-1/2 x 1-3/4 inches, .281 thickness.
No. 4901-3/4 on inside, No. L4901-3/4 on outside.
Outside escutcheon has lugs for fastening through inside escutcheon.

Door Thickness: For 1-3/4 and 2-1/4 inch doors only.

Ordering Information: See page 82B for complete ordering information.

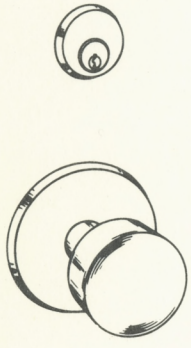
DarRoc Design

Escutcheon: No. 4903, 7-1/2 x 2-1/4 inches, .050 thickness.

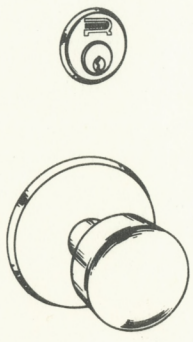
Door Thickness: For 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4 and 3 inch doors only.

Ordering Information: See page 83 for complete ordering information.

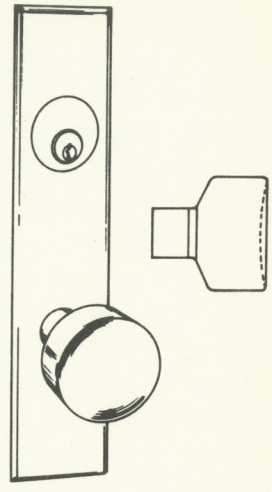
*Except that Escutcheon only in DarRoc Design is Cold Forged metal.



Vance-Deluxe Design



Vance-Standard Design



VaMo II Design

Cast brass, bronze or aluminum

Vance-Deluxe Design

Knob: No. 3952, 2 1/16 in. dia., recessed front, screwless shank, symbol BKS

Rose: No. 3952¼M for Metal and 3952¼W for Wood Doors, 2 1/4" dia., concealed screws.

Cylinder: Regularly furnished with flexible head cylinder.

Turn Piece: No. 074 Emergency Key Plate: No. A70 (with drop)

Vance-Standard Design

Same as Vance-Deluxe above except takes Regular Cylinder, 910 (Ronde) cylinder collar and 089 Turn Piece.

VaMo II Design

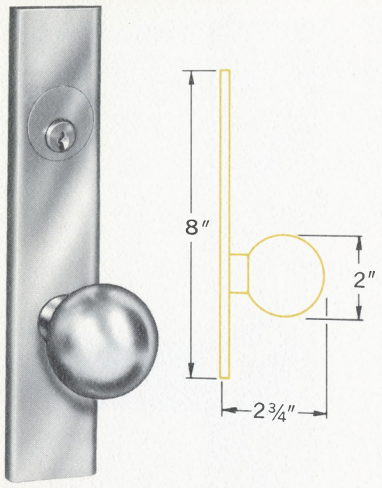
Knob: Same as Vance-Deluxe above.

Escutcheons: No. L5901 7/8 outside, No. 5901 7/8 inside, 8 1/2 x 1 7/8", .281 thickness. Outside escutcheon has lugs for fastening through inside escutcheon. (When ordering escutcheons only, prefix B for Blank, T1 for Turnpiece and A for Emergency Key. Also specify lock with which they will be used).

For use with Ten Strike and 3000 series Mortise Locks.

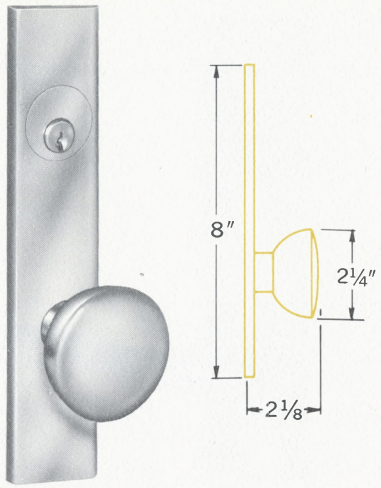
COMPLETE LOCKSETS: When ordering specify lock number, knob symbol, design, finish and whether for wood or metal doors, i.e., 1038BKS VaMo II, US10, Wood Door, etc.

DUMMY TRIM: Prefix D to knob number, suffix M for Metal or W for Wood doors and specify design, i.e., D3952W VaMo II, design, etc. Available as full dummy trim only.



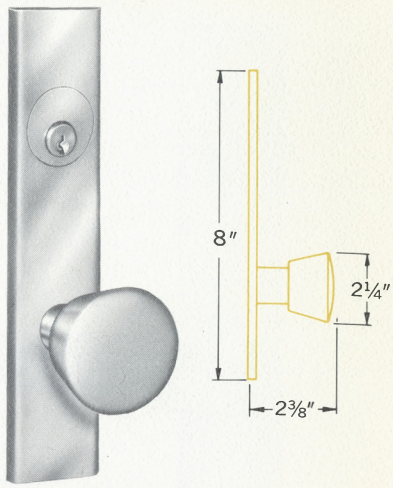
RonMo II design

brass, bronze or aluminum



DaMo II design

brass, bronze or aluminum



LaMo II design

brass, bronze or aluminum

For use with Ten Strike series mortise locks.

Door Thickness: For 1¾ and 2¼ inch doors only.

Cylinder: Flush with escutcheon when furnished single-cylinder locks on 1¾" doors and all locks on 2¼" doors. Projects from face of both escutcheons when used with two-cylinder locks on 1¾" doors and will be furnished with 910 Ronde cylinder collars. Not available with master ring cylinders.

Number* and Design	Knob Symbol	Description
3952 RonMo II	B2KS	Knob, 2" diam., screwless shank
3952-3/16 RonMo II	B3KS	Knob, 2-3/16" diam., screwless shank
3952-1/4 RonMo II	BKS	Knob, 2-1/4" diam., screwless shank
3952-1/4 RonMo II	BKS	Knob, 2-1/4" diam., screwless shank
5901-3/4	. .	Inside Escutcheon, 8-1/2 x 1-3/4 in., .281 thickness.
L5901-3/4	. .	Outside Escutcheon, 8-1/2" x 1-3/4" in., .281 thickness. Outside escutcheons have two lugs for fastening through inside escutcheons. When order escutcheons only, specify lock with which they will be used. For escutcheons with turn pieces, prefix T1 to number. For blank escutcheons, prefix B to number. For emergency key escutcheons, prefix A to number.

* Available in full dummy trim only, prefix D to knob number and specify design, i.e., D3952 RonMo II, etc.

Ordering Information

Specify lock number, knob symbol, design, hand, door thickness and finish when ordering locksets, i.e., 1038B2KS RonMo II, RH, 1-3/4" dr., US10, etc.

Suggested Finishes: **US10** satin bronze, **US26** polished chrome, **US26D** satin chrome, **US28** satin aluminum.

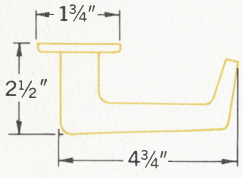
MORTISE DESIGNS

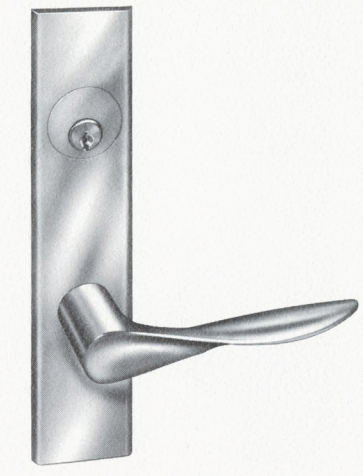
Cast Levers — Cast Escutcheons



TorMo II design

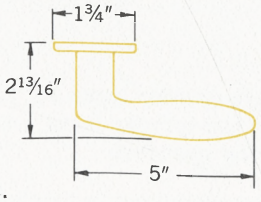
brass, bronze or aluminum





RoyMo II design

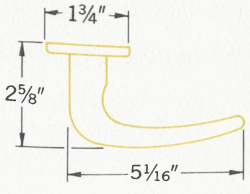
brass, bronze or aluminum





CitMo II design

brass, bronze or aluminum



For use with Ten Strike series mortise locks.

Door Thickness: For 1¾ and 2¼ inch doors only.

Torque Release feature: See page 82.

Cylinder: Flush with escutcheon when furnished single-cylinder locks on 1¾" doors and all locks on 2¼" doors. Projects from face of both escutcheons when used with two-cylinder locks on 1¾" doors and will be furnished with 910 Ronde cylinder collars. Not available with master ring cylinders.

Number*	Lever Symbol	Door Material	Description
3976W x design	LE	Wood	Pair lever hdles. x escutcheons.
3977W x design	. .	Wood	One lever hdle. x escutcheon.
3976M x design	LE	Metal	Pair lever hdles. x escutcheons.
3977M x design	. .	Metal	One lever hdle. x escutcheon.
4901 ¾	. .	. .	Inside Escutcheon, 8½ x 1¾ in., .281 thickness.
L4901 ¾	. .	. .	Outside Escutcheons, 8½ x 1¾ in., .281 thickness. Outside escutcheons have two lugs for fastening through inside escutcheons. When ordering escutcheons only, specify lock with which they will be used. For escutcheons with turn pieces, prefix T1 to number. For blank escutcheons, prefix B to number. For emergency key escutcheons, prefix A to number.

* Available in full dummy trim only, prefix D to lever number and specify design, i.e., D3976W TorMo II, etc.

Ordering Information

Specify lock number, lever symbol, design, hand, door thickness and finish when ordering locksets, i.e., 1038LE TorMo II, RH, 1¾" dr., US10. (Note that this example is for lever handles both sides. For knob one side, change lever symbol to LKE, i.e., 1038LKE TorMo II, etc. — 3952 Ronde knob will be regularly furnished for inside unless otherwise ordered.)

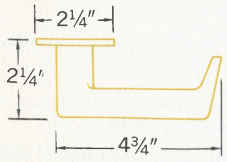
Suggested Finishes: US10 satin bronze, **US26** polished chrome, **US26D** satin chrome, **US28** satin aluminum,



TorRoc design

brass, bronze or aluminum

Cold forged (.050 thickness) escutcheons, cast levers

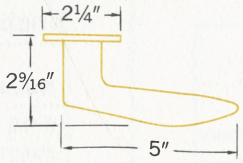


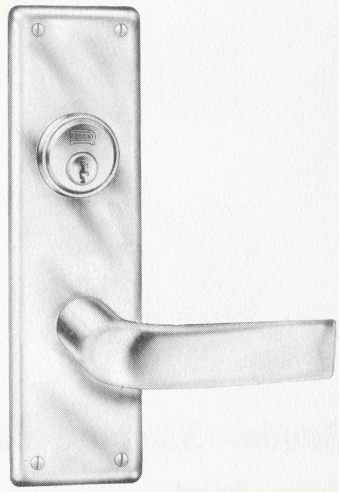


RoyRoc design

brass, bronze or aluminum

Cold forged (.050 thickness) escutcheons, cast levers

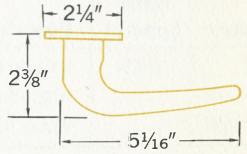




CitRoc design

brass, bronze, aluminum or stainless steel

Cold forged (.050 thickness) escutcheons, cast levers



For use with Ten Strike and 3000 series mortise locks.

Door Thickness: For 1¾, 2, 2¼, 2½, 2¾ and 3 inch doors only.

See page 82 for additional information.

Levers, Knobs and Escutcheons

Number	Lever Symbol	Door Material	Description
3996W x design	LE	Wood	Pair lever handles, for both sides of door
3997W x design	....	Wood	One lever handle, for one side of door
3998W x design	LKE	Wood	One lever handle x knob* one side of door
3996M x design	LE	Metal	Pair lever handles, for both sides of door
3997M x design	....	Metal	One lever handle, for one side of door
3998M x design	LKE	Metal	One lever handle x knob* one side of door
4903	....	....	Escutcheon for lever handles, 7½ x 2¼ in.
3903	....	....	Escutcheon for knobs, 7½ x 2¼ in.

* F2387 knob and 3903 escutcheon. If screwless shank required, specify F3387 knob.

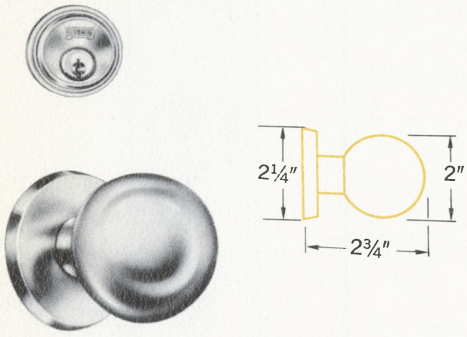
Ordering Information

Specify lock number, lever symbol, design, hand, door thickness and finish; i.e., 1038LE TorRoc, RH, 1¾″ dr., US10. (Note that this example is for lever handles both sides, for knob one side change lever symbol to LKE, i.e., 1038LKE TorRoc, etc.)

Suggested Finishes: US10 satin bronze, **US26** polished chrome, **US26D** satin chrome, **US28** satin aluminum, anodized. (Also available for CitRoc design only: **US32** polished stainless steel, **US32D** satin stainless steel.)

MORTISE DESIGNS

Cast Roses—Cast or Heavy Cold Forged Knobs



Ronde—Standard design

Modern Period

cast brass, bronze or aluminum

With standard cylinder.

Knobs and Roses

Number	Knob Symbol	Description
3952	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

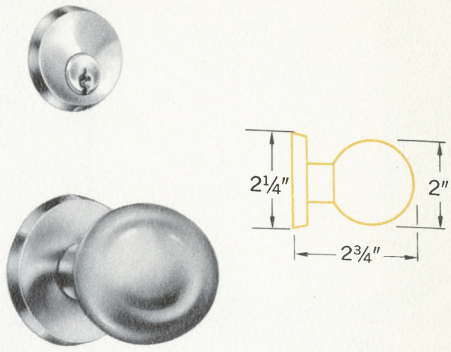
Number	Size, Inches	Description
910	1½	Cylinder collar
070	1⅜	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BKS Ronde-Standard US10. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	3952	3952¼	910	5

Specify "wood" or "metal" doors.



Ronde—Deluxe design

Modern Period

cast brass, bronze or aluminum

With flexible head cylinder. (Patent Pending)
See page 172 for description.

Knobs and Roses

Number	Knob Symbol	Description
3952	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

Number	Size, Inches	Description
074	1⅝	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

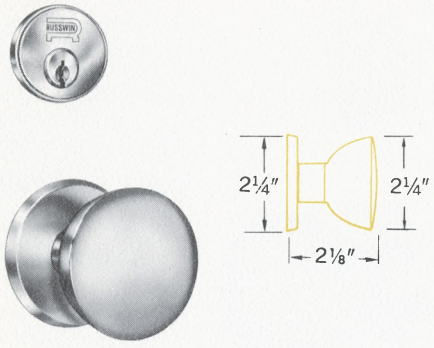
Specify lock number, knob symbol, design and finish, i.e., 1038BKS Ronde-Deluxe US10. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	3952	3952¼	None	5

Specify "wood" or "metal" doors.

Dummy Trim: Available as half or full dummy trim. Prefix **"½D"** for half trim or **"D"** for full trim to knob number and suffix **"M"** for metal door, **"W"** for wood door, i.e., ½D 3952M.

Suggested Finishes: US3 polished brass, **US10** satin bronze, **US26** polished chrome, **US26D** satin chrome and **US28** satin aluminum.



Dade — Standard design

Modern Period

cast brass, bronze or aluminum

With standard cylinder.

Knobs and Roses

Number	Knob Symbol	Description
3952¼	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

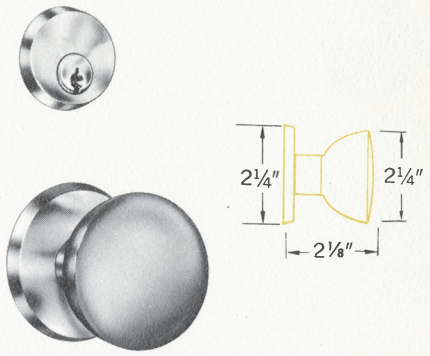
Number	Size, Inches	Description
910	1½	Cylinder collar
089	1⅜	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BKS Dade - Standard US10. This set consists of the following:

Lock					
No.	Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	3952¼	3952¼	910	5

Specify "wood" or "metal" doors.



Dade — Deluxe design

Modern Period

cast brass, bronze or aluminum

With flexible head cylinder. (Patent Pending)

See page 172 for description.

Knobs and Roses

Number	Knob Symbol	Description
3952¼	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

Number	Size, Inches	Description
074	1⅝	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BKS Dade - Deluxe US10. This set consists of the following:

Lock					
No.	Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	3952¼	3952¼	None	5

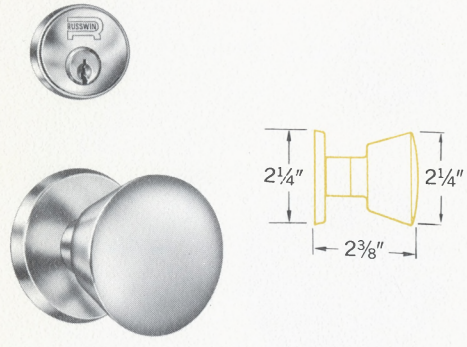
Specify "wood" or "metal" doors.

Dummy Trim: Available as half or full dummy trim. Prefix **"½D"** for half trim or **"D"** for full trim to knob number, specify design and suffix **"M"** for metal door, **"W"** for wood door, i.e., ½D 3952¼M Dade.

Suggested Finishes: US3 polished brass, **US10** satin bronze, **US26** polished chrome, **US26D** satin chrome and **US28** satin aluminum.

MORTISE DESIGNS

Cast Roses — Cast Knobs



La Salle — Standard design

Modern Period

cast brass, bronze or aluminum

With standard cylinder.

Knobs and Roses

Number	Knob Symbol	Description
3952¼	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

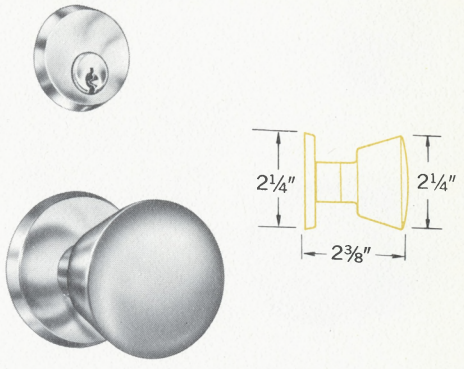
Number	Size, Inches	Description
910	1½	Cylinder collar
089	1⅜	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BKS La Salle-Standard US10. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	3952¼	3952¼	910	5

Specify "wood" or "metal" doors.



La Salle — Deluxe design

Modern Period

cast brass, bronze or aluminum

With flexible head cylinder. (Patent Pending)
See page 172 for description.

Knobs and Roses

Number	Knob Symbol	Description
3952¼	BKS	Knob, screwless shank
3952¼M	....	Rose for metal drs., concealed screws
3952¼W	....	Rose for wood drs., concealed screws

Related Trim

Number	Size, Inches	Description
074	1⅝	Turn piece
A930	1¼	Emergency key plate with drop

Ordering Information

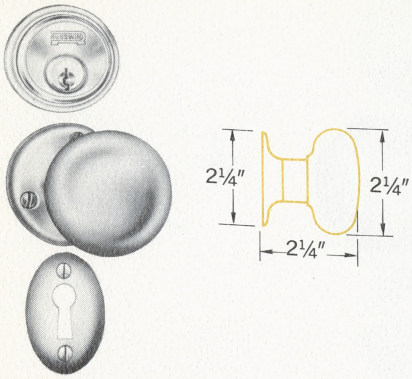
Specify lock number, knob symbol, design and finish, i.e., 1038BKS La Salle-Deluxe US10. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	3952¼	3952¼	None	5

Specify "wood" or "metal" doors.

Dummy Trim: Available as half or full dummy trim. Prefix **"½D"** for half trim or **"D"** for full trim to knob number, specify design and suffix **"M"** for metal door, **"W"** for wood door, i.e., ½D 3952¼M La Salle.

Suggested Finishes: US3 polished brass, **US10** satin bronze, **US26** polished chrome, **US26D** satin chrome and **US28** satin aluminum.



Bristol design

Colonial Period . . . Symbol: Bris

brass, bronze, or aluminum

Cast roses. Heavy cold forged (.080 thickness) knobs.

Knobs and Roses

Number	Knob Symbol	Size, Inches	Description
2372	B2K	2	Knob, Simplex shank, 5/16 in. spindle
3372	B2KS	2	Knob, screwless shank, 5/16 in. spindle
F2376	B3K	2¼	Knob, Simplex shank, 5/16 in. spindle
F3376	B3KS	2¼	Knob, screwless shank, 5/16 in. spindle
3112	....	2	Rose
3112¼	....	2¼	Rose

Related Trim

Number	Size, Inches	Description
B	1¾	Wrought adjustable cylinder collar
066	1⅝ x 1⅛	Turn piece
66	1⅝ x 1⅛	Key plate
A66	1⅝ x 1⅛	Emergency key plate

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038B3K Bris. US10. This set consists of the following:

Lock No.	Lock Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	F2376	3112¼	B	5½

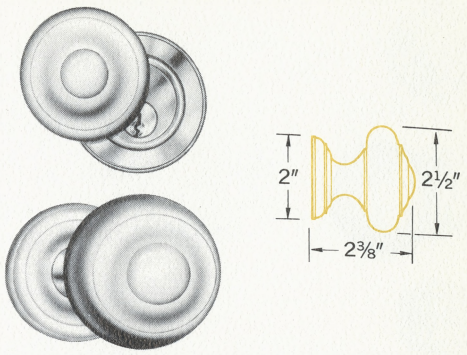
B2K knobs packed with 2 in. roses.

B3K knobs packed with 2¼ in. roses.

For locksets with screwless shank knobs, change symbol **B3K** to **B3KS,** i.e., 1038B3KS.

To substitute knob **B2K** change knob symbol, i.e., 1038B2K.

Suggested Finishes: US4 satin brass, **US3** polished brass, **US10** satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized.



Brunswick design

Georgian Period . . . Symbol: Bruns

cast brass only

This design not available in bitted key locks.

Knobs and Roses

Number	Knob Symbol	Size, Inches	Projection	Description
2952¼	B3K	2¼	2¼	Knob, Simplex shank, 5/16 in. spindle
2952½	B4K	2½	2⅜	Knob, Simplex shank, 5/16 in. spindle
2953	B6K	3	2⅝	Knob, Simplex shank, 5/16, in. spindle
3952	....	2	....	Rose (concealed screws)
3952½	....	2½	....	Rose (concealed screws)

Related Trim

Number	Size, Inches	Description
910	2⅛	Cylinder collar with drop
920	1⅜	Turn piece
A930	1½	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038B4K Bruns. US10. This set consists of the following:

Lock No.	Lock Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	2952½	3952	910	5½

B3K knobs packed with 2 in. roses.

B4K knobs packed with 2 in. roses.

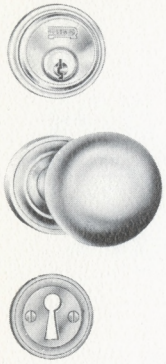
B6K knobs packed with 2½ in. roses.

To substitute knob **B4K, B6K,** change knob symbol, i.e., 1038B4K, etc.

Suggested Finish: US3 polished brass.

MORTISE DESIGNS

Cast Roses — Cast Knobs



Medford design

Colonial Period . . . Symbol: Med

cast brass only

Knobs and Roses

Number	Knob Symbol	Size, Inches	Project. Inches	Description
2951¾	B1K	1¾	2⅛	Knob, plain shank, special, 5/16 in. spindle
2952	B2K	2	2¼	Knob, plain shank, special, 5/16 in. spindle
2952¼	B3K	2¼	2⅜	Knob, plain shank, special, 5/16 in. spindle
2952½	B4K	2½	2½	Knob, plain shank, special, 5/16 in. spindle
3951⅞	....	1⅞	....	Rose (concealed screws)

Related Trim

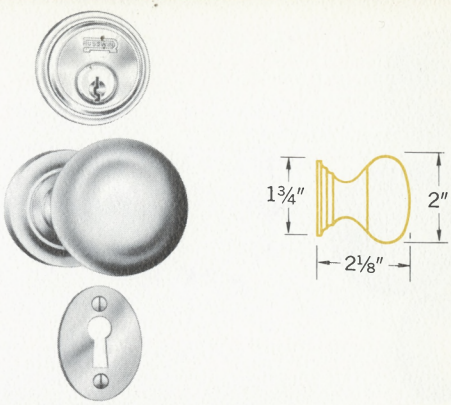
Number	Size, Inches	Description
910	2⅜	Cylinder collar
920	1⅝	Turn piece
925	1⅝	Key plate
A925	1⅝	Emergency key plate

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038B1K Med. US3. This set consists of the following:

Lock No.	Lock Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	2951¾	3951⅞	910	5½

To substitute knob **B2K, B3K, B4K,** change knob symbol, i.e., 1038B2K, etc.



Williamsburg design

Colonial Period . . . Symbol: Will

cast brass only

Knobs and Roses

Number	Knob Symbol	Description
2952	BK	Knob, Simplex shank, special, 5/16 in. spindle
3951¾	....	Rose (concealed screws)

Related Trim

Number	Size, Inches	Description
910	1¾	Cylinder collar
920	1⅝ x 1⅛	Turn piece
925	1⅝ x 1⅛	Key plate
A925	1⅝ x 1⅛	Emergency key plate

Ordering Information

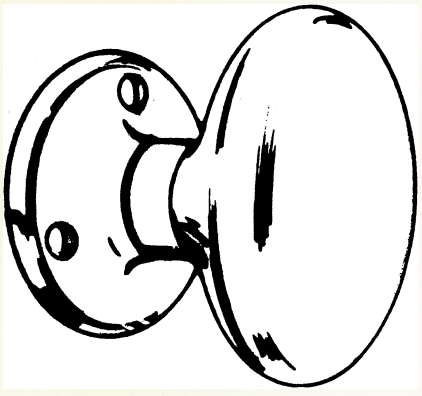
Specify lock number, knob symbol, design and finish, i.e., 1038BK Will. US3. This set consists of the following:

Lock No.	Lock Page	Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
1038	120	2952	3951¾	910	5½

Suggested finishes: US3 polished brass, **US26** polished chrome

TEMPORARY CATALOG PAGE 86A

MORTISE DESIGNS - Cast bronze or aluminum

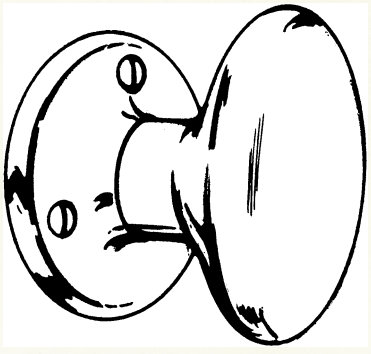


Sen Cit 1

Knob: 2-5/8 x 1-5/8", oval, no. 3390 with screwless shank, no. 2390 with simplex shank. - 2-7/16" projection.

Rose: no. 3112, 2"

Symbol: BK for 2390 knob, BKS for 3390.

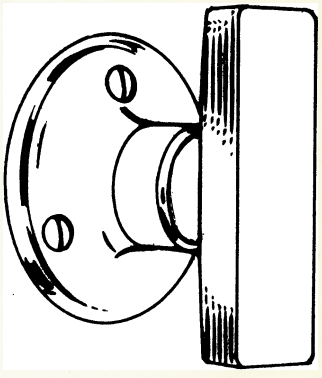


Sen Cit 2

Knob: 2-3/8 x 1-3/8", oval, no. 3391, with screwless shank. 2-1/8" projection.

Rose: no. 3112, 2"

Symbol: BKS



Sen Turn

T Handle: 2-1/2 x 7/8", 3/8" depth, no. 4633. - 1-11/16" projection.

Rose: no. 3112, 2"

Symbol: TH

Suffix symbol to lock number when ordering locksets.

RELATED TRIM for locksets: Turn Piece - no. 066, 1-5/8 x 1-1/8".
Key Plate - no. A66, 1-5/8 x 1-1/8".
Cylinder - no. 110½, key class 5D1.

BASIC LOCKS: A2048 Entrance Lock, see catalog page 121.

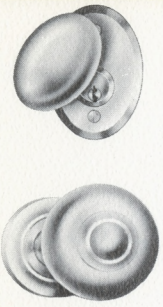
A2038 Vestibule Lock, see catalog page 120.

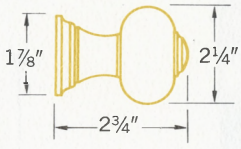
229 Bathroom or bedroom, see catalog page 149.

039 Passage door, see catalog page 152.

025 Passage door, see catalog page 152.

WHEN ORDERING LOCKSETS, SPECIFY LOCK (suffix symbol to lock number), DESIGN AND FINISH, i.e., A2048BK Sen Cit 1 - US10.







Oglethorpe design

Georgian Period . . . Symbol: Ogle

cast brass only

Knobs and Roses

Number	Knob Symbol	Size, Inches	Project. Inches	Description
2952¼	B3K	2¼	2¾	Knob, Simplex shank, special, 5/16 in. spindle
2952¾	B5K	2¾	2⅞	Knob, Simplex shank, special, 5/16 in. spindle
2953¼	B7K	3¼	2⅞	Knob, Simplex shank, special, 5/16 in. spindle
3951⅞	....	1⅞	....	Rose (concealed screws)
3952¼	....	2¼	....	Rose (concealed screws)

Related Trim

Number	Size, Inches	Description
910	2⅜ x 1⅝	Cylinder collar with drop
920	1⅞ x ⅞	Turn piece
930	1⅞ x ⅞	Key plate with drop
A930	1⅞ x ⅞	Emergency key plate with drop

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038B3K Ogle. US3. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	2952¼	3951⅞	910	5½

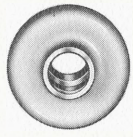
B3K knobs packed with 1⅞ in. roses.

B5K and **B7K** knobs packed with 2¼ in. roses.

To substitute knobs **B5K** or **B7K**, change knob symbol, i.e., 1038B5K.

Suggested Finish: US3 polished brass.

Optional Knob Rose



No. 3113W
(Concealed Screws)

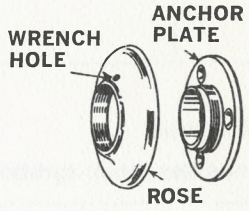
No. 3113M
(Concealed Screws)

For knobs and lever handles with regular and special shank diameters.

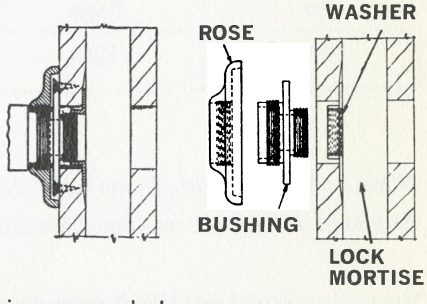
Number	Size, Inches	Shank Diam., In.	Description
3113W For wood doors — specify thickness of door	2	Reg., ¾	Cast brass or bronze; polished*
3113M For metal doors (bronze bushing, cadmium plated)	2	Reg., ¾	Cast brass or bronze; polished*

*Finished to match aluminum trim when required.

Rose No. 3113M



Rose No. 3113W



Method of attaching concealed screw roses.

Note: Roses have a wrench hole at the side so that thimble wrench can be used to tighten roses to door.

MORTISE DESIGNS

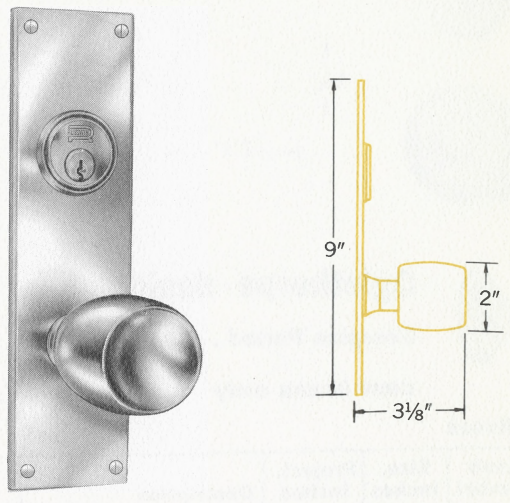
Cast Escutcheons — Heavy Cold Forged Knobs

TeMo design

Modern Period . . . Symbol: TeMo

brass, bronze, aluminum or stainless steel

Cast escutcheons, Heavy cold forged reinforced (.080 thickness) knobs.



Knobs and Escutcheons

Number	Knob Symbol	Description
3842	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½
3935	....	Escutcheon, for bit key locks, 9 x 2½

Ordering Information

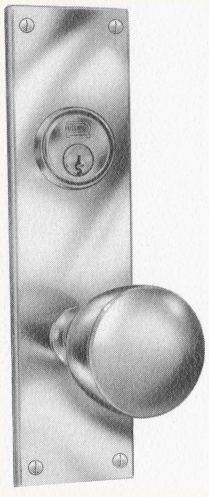
Specify lock number, knob symbol, design and finish, i.e., 1038WE TeMo US10. This set consists of the following:

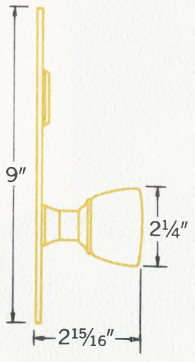
Lock		Knob	Escutcheon		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	3842	3901	B3901	5½

When ordering escutcheons only, see page 78 for ordering information.

See page 79 for information on escutcheons with lugs and through bolts.

Suggested Finishes: US10 satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized; **US32D** satin stainless steel.





CosMo design

Modern Period . . . Symbol: CosMo

brass, bronze, aluminum or stainless steel

Cast escutcheons. Heavy cold forged reinforced (.080 thickness) knobs.

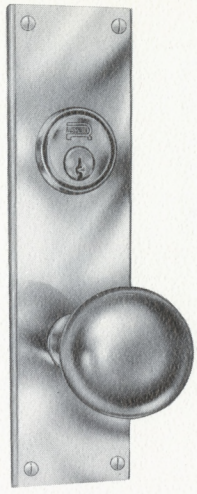
Knobs and Escutcheons

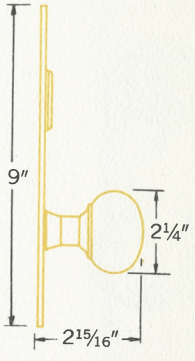
Number	Knob Symbol	Description
3842¼	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE CosMo US10. This set consists of the following:

Lock		Knob	Escutcheon		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	3842¼	3901	B3901	6





HadMo design

Modern Period . . . Symbol: HadMo

brass, bronze, aluminum or stainless steel

Cast escutcheons. Heavy cold forged reinforced (.080 thickness) knobs.

Knobs and Escutcheons

Number	Knob Symbol	Description
3842¼	WE	Knob, screwless shank
3901	....	Escutcheon, for cylinder locks, 9 x 2½ in.
3935	....	Escutcheon, for bit key locks, 9 x 2½ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE HadMo US10. This set consists of the following:

Lock		Knob	Escutcheon		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	3842¼	3901	B3901	6

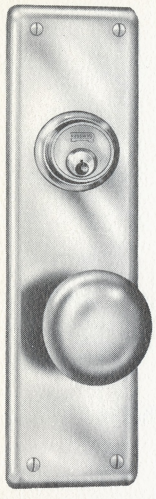
When ordering escutcheons only, see page 78 for ordering information.

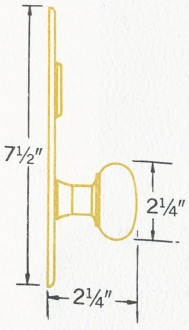
See page 79 for information on escutcheons with lugs and through bolts.

Suggested Finishes: US10 satin bronze, **US26D** satin chrome, **US28** satin aluminum, anodized; **US32D** satin stainless steel.

MORTISE DESIGNS

Cold Forged Escutcheons — Heavy Cold Forged Knobs





Rockford design

Commercial . . . Symbol: Rock

cold forged brass, bronze, aluminum or stainless steel

Knobs and Escutcheons

Number	Symbol	Gauge	Description*
F2387	BKC	.050	Knob, wrought top, cast Simplex shank
F2376	BK	.080	Knob, Simplex shank
F3387	BKCS	.050	Knob, wrought top, cast screwless shank
F3376	BKS	.080	Knob, screwless shank
3903	....	.050	Esc., cylinder locks, 7½ x 2¼ in.
3935	....	.050	Esc., bit key locks 7½ x 2¼ in.

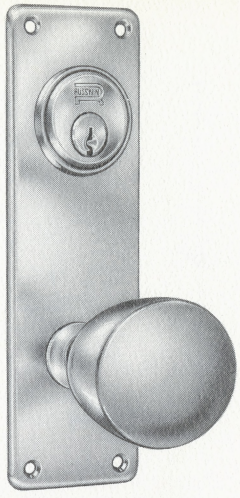
*5⁄16 in. spindle.

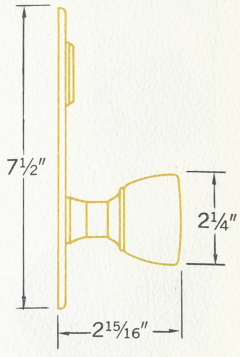
Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BKC Rock. US10. This set consists of the following:

Lock			Escutcheons		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	F2387	3903	B3903	5¼

For locksets with screwless shank knobs, change symbol **BKC** to **BKCS** and **BK** to **BKS** i.e., 1038BKCS.





Conair design

Commercial . . . Symbol: Con

brass, bronze, aluminum or stainless steel

Escutcheons, cold forged (.050 thickness); knobs, heavy cold forged reinforced (.080 thickness)

Knobs and Escutcheons

Number	Knob Symbol	Description
3842¼	WE	Knob, screwless shank
3903	....	Escutcheon, for cylinder locks, 7½ x 2¼ in.
3935	....	Escutcheon, for bit key locks, 7½ x 2¼

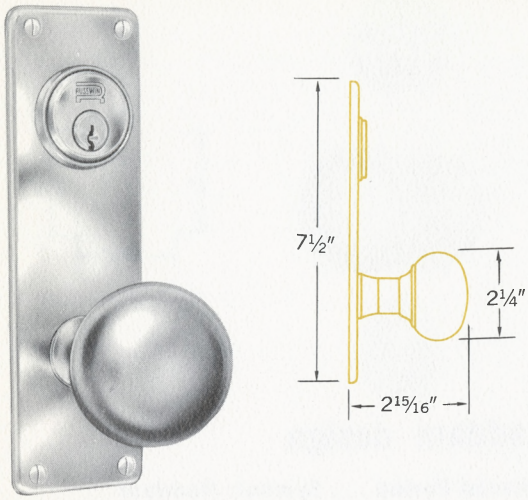
Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Con. US10. This set consists of the following:

Lock			Escutcheon		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3842¼	3903	B3903	5¼

When ordering escutcheons only, specify lock with which they are to be used. For escutcheons with turn pieces, prefix **T1** to escutcheon number; for blank escutcheons, prefix **B;** for emergency key escutcheons, prefix **A.**

Suggested Finishes: US3 polished brass, **US4** satin brass, **US10** satin bronze, **US26D** satin chrome, **US26** polished chrome, **US28** satin aluminum, anodized, **US32D** satin stainless steel.



Hale design

Commercial . . . Symbol: Hale

brass, bronze, aluminum or stainless steel

Escutcheons, cold forged (.050 thickness); knobs, heavy cold forged reinforced (.080 thickness)

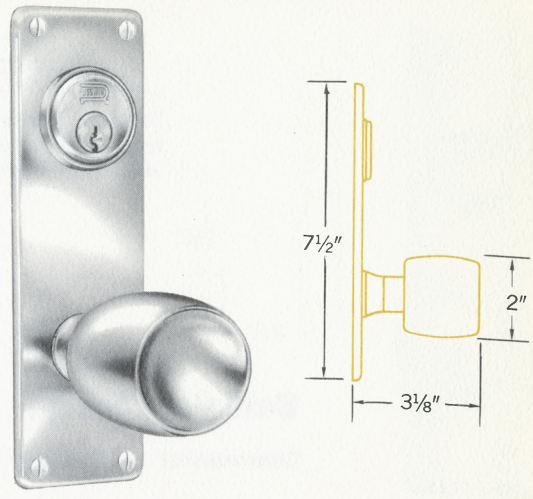
Knobs and Escutcheons

Number	Knob Symbol	Description
3842¼	WE	Knob, screwless shank
3903	....	Escutcheon, for cylinder locks, 7½ x 2¼ in.
3935	....	Escutcheon, for bit key locks, 7½ x 2¼ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Hale US10. This set consists of the following:

Lock			Escutcheons		Weight Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3842¼	3903	B3903	5¼



Tuscon design

Commercial . . . Symbol: Tus

brass, bronze, aluminum or stainless steel

Escutcheons, cold forged (.050 thickness); knobs, heavy cold forged reinforced (.080 thickness)

Knobs and Escutcheons

Number	Knob Symbol	Description
3842	WE	Knob, screwless shank
3903	....	Escutcheon, for cylinder locks, 7½ x 2¼ in.
3935	....	Escutcheon, for bit key locks, 7½ x 2¼ in.

Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038WE Tus. US10. This set consists of the following:

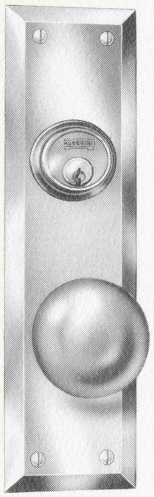
Lock			Escutcheons		Weight, Lbs.
No.	Page	Knob	Outside	Inside	(Brass, Approx.)
1038	120	3842	3903	B3903	5¼

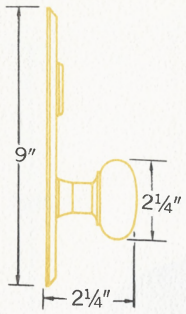
When ordering escutcheons only, see page 90 for ordering information.

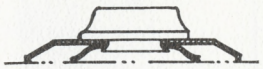
Suggested Finish: US3 polished brass, **US10** satin bronze, **US26D** satin chrome, **US28** satin aluminum, **US32D** satin stainless steel

MORTISE DESIGNS

Wrought Escutcheons or Roses — Wrought Knobs







Steel reinforcement regularly furnished with bushings on escutcheons.

Berkeley design

Commercial . . . Symbol: Berk

wrought brass, bronze or aluminum

Knobs and Escutcheons

Number	Symbol	Gauge	Description
2383	BK	.040	Knob, wrought top, wrought Simplex shank, 5/16 in. spindle
F2387	BKC	.050	Knob, wrought top, cast Simplex shank, 5/16 in. spindle
F3387	BKCS	.050	Knob, wrought top, cast screwless shank, 5/16 in. spindle
901	....	.035	Escutcheon for cylinder locks, 9 x 2½ in.
935	....	.028	Escutcheon for bit key locks, 7 x 2¼ in.

Ordering Information

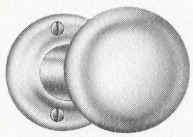
Specify lock number, knob symbol, design and finish, i.e., 1038BK Berk. US10. This set consists of the following:

Lock		Knob	Escutcheon		Weight, Lbs. (Brass, Approx.)
No.	Page		Outside	Inside	
1038	120	2383	901	B901	5

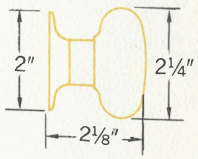
For locksets with screwless shank knobs, change symbol **BKC** to **BKCS** i.e., 1038BKCS.

When ordering escutcheons only, see page 90 for ordering information.









Haddam design

Colonial Period . . . Symbol: Haddam

wrought brass, bronze or aluminum

Knobs and Escutcheons

Number	Symbol	Gauge	Description
2383	BK	.040	Knob, wrought top, wrought Simplex shank, 5/16 in. spindle
F2387	BKC	.050	Knob, wrought top, cast Simplex shank, 5/16 in. spindle
F3387	BKCS	.050	Knob, wrought top, cast screwless shank, 5/16 in. spindle

Related Trim

Number	Description
902	Rose
066½	Turn piece, $1^{11}/_{16}$ x $1^{3}/_{16}$
66½	Key plate, $1^{11}/_{16}$ x $1^{3}/_{16}$
B	Wrought adjustable cylinder collar 1¾ in.

Ordering Information

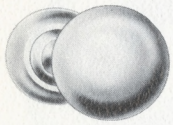
Specify lock number, knob symbol, design and finish, i.e., 1038BK Haddam. US10. This set consists of the following:

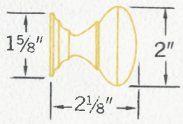
Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	2383	902	B	4½

For locksets with screwless shank knobs, change symbol **BKC** to **BKCS,** i.e., 1038BKCS.

Suggested Finishes: US3 polished brass, **US4** satin brass, **US10** satin bronze, **US26** polished chrome, **US26D** satin chrome, **US28** satin aluminum, anodized.









Richmond design

Colonial Period . . . Symbol: Rich

wrought brass

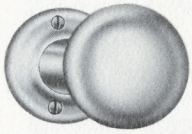
Number	Symbol	Description
2852	BK	Knob, wrought top, cast Simplex shank, 5/16 in. spindle, special
911⅝	....	Rose, concealed screws
069	....	Turn piece, 1⅝ x 1⅛
69	....	Key plate, 1⅝ x 1⅛
B	....	Wrought adjustable cylinder collar, 1¾ in.

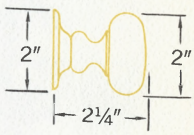
Ordering Information

Specify lock number, knob symbol, design and finish, i.e., 1038BK Rich. US3. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	2852	911⅝	B	4½









Woburn design

Colonial Period . . . Symbol: Wob

wrought brass only

Number	Symbol	Description
21482	BK	Knob, wrought top, cast Simplex shank, 5/16 in. spindle
902	....	Rose
066½	....	Turn piece, 1 11/16 x 1 3/16
66½	....	Key plate, 1 11/16 x 1 3/16
B	....	Wrought adjustable cylinder collar, 1¾ in.

Ordering Information

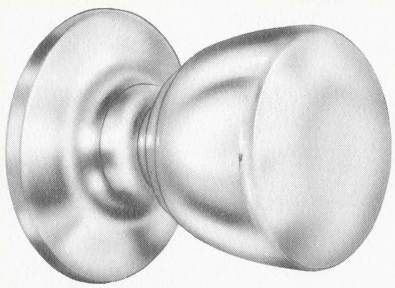
Specify lock number, knob symbol, design and finish i.e., 1038BK Wob. US3. This set consists of the following:

Lock		Knob	Rose	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
No.	Page				
1038	120	21482	902	B	4½

Suggested Finishes: US3 polished brass, **US4** satin brass, **US26** polished chrome, **US26D** satin chrome.

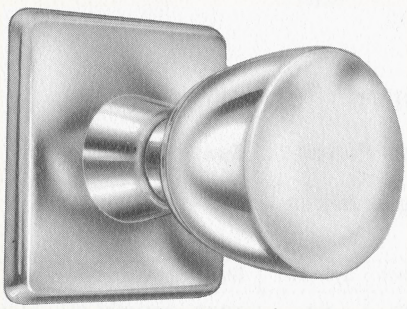
"Stilemaker" Working Trim

All Stilemaker designs, as shown on these two pages, are available as Mortise Lock Working Trim. When trim only is required, specify "W400 x design" for full working trim and "½W400 x design" for half working trim. When complete lockset is required specify lock number, suffix **W4** and specify design; i.e., 1038W4 Haddam, etc.
Available in brass, bronze or aluminum: Flare, FlaCo, Comet, ComTem, Jet, Era
Available in brass, bronze, aluminum or stainless steel: Cosmic, CosCo, CosRoc, Tempo, TeCo, TeRoc

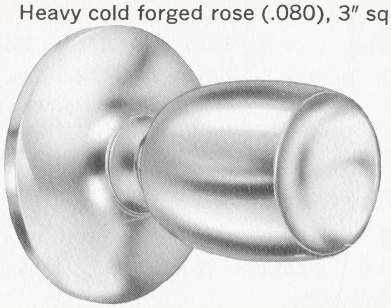


Cosmic Design: Heavy cold forged reinforced knob (.080), 2¼" diam.
Wrought reinforced rose (.070), 2⅝" diam.

Flare Design: Cast knob, 2¼" diam. Cast rose, 2⅝" diam.

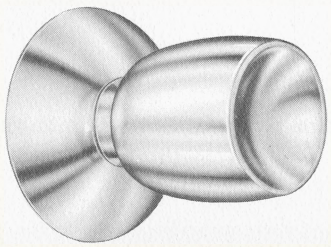


CosRoc Design: Heavy cold forged reinforced knob (.080), 2¼" diam.
Heavy cold forged rose (.080), 3" square

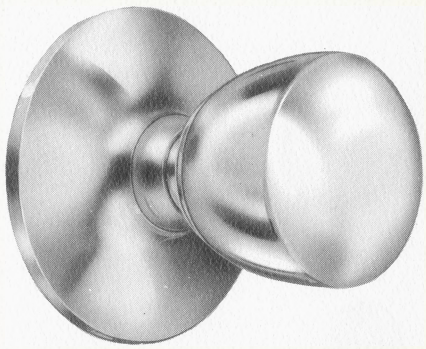


TeCo Design: Heavy cold forged reinforced knob (.080), 2" diam.
Wrought rose (.080), 3½" diam.

ComCo Design: Cast knob, 2" diam.
Wrought rose (.080), 3½" diam.

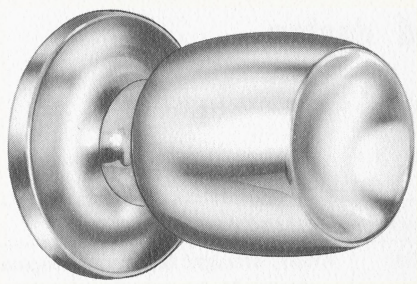


Jet Design: Heavy cold forged reinforced knob (.080), 2" diam.
Cast rose, 3⅛" diam.



CosCo Design: Heavy cold forged reinforced knob (.080), 2¼" diam. Wrought rose (.080), 3½" diam.

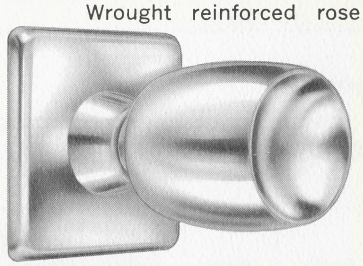
FlaCo Design: Cast knob, 2¼" diam.
Wrought rose (.080), 3½" diam.



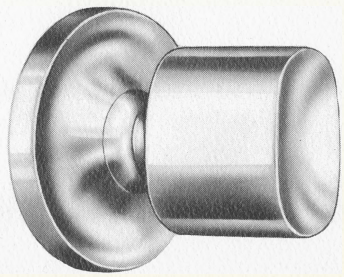
Tempo Design: Heavy cold forged reinforced knob (.080), 2" diam.
Wrought reinforced rose (.070), 2⅝" diam.

Comet Design: Cast knob, 2" diam. Cast rose, 3⅛" diam.

ComTem Design: Cast knob, 2" diam.
Wrought reinforced rose (.070), 2⅝" diam.

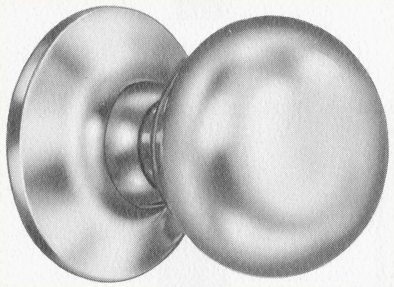


TeRoc Design: Heavy cold forged reinforced knob (.080), 2" diam.
Heavy cold forged rose (.080), 3" square



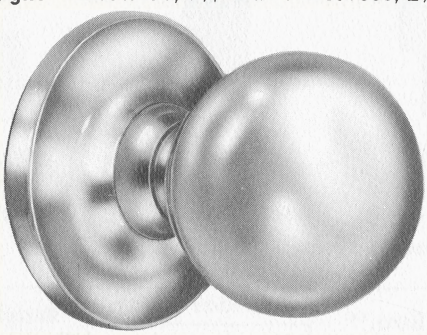
Era Design: Cast knob, 2⅛" x 1⅛" Cast rose, 3⅛" diam.

Available in brass, bronze or aluminum: Bristol, BriCo, BriTem, BriRoc, Mono, MoCo, MoTem
Available in brass, bronze, aluminum or stainless steel: Haddam, HadCo, HadTem, HadRoc



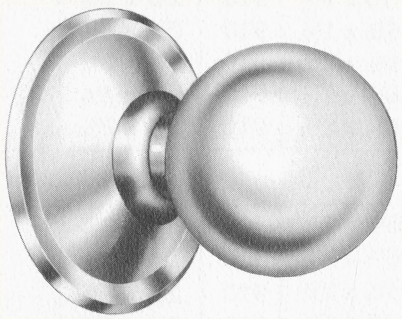
Haddam Design: Heavy cold forged reinforced knob (.080), 2¼″ diam.
Wrought reinforced rose (.070), 2⅝″

Bristol Design: Cast knob, 2¼″ diam. Cast rose, 2⅝″ diam.

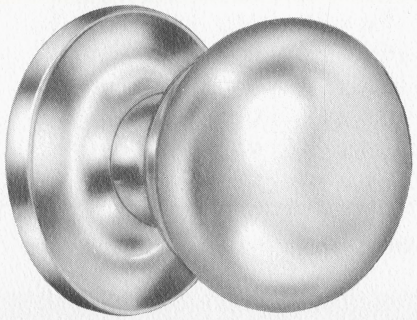


HadTem Design: Heavy cold forged reinforced knob (.080), 2¼″ diam.
Wrought reinforced rose (.070), 2⅝″

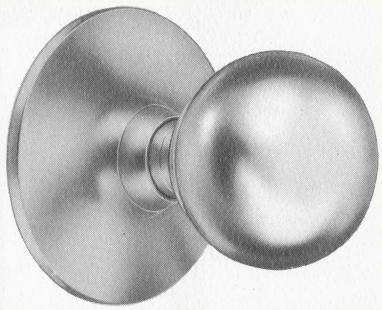
BriTem Design: Cast knob, 2¼″ diam.
Wrought reinforced rose (.070), 2⅝″



Mono Design: Cast knob, 2¼″ diam.
Cast rose, 2⅞″ diam.

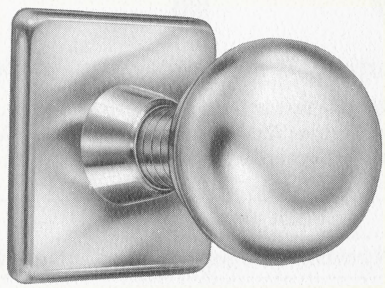


MoTem Design: Cast knob, 2¼″ diam.
Wrought reinforced rose (.070), 2⅝″ diam.



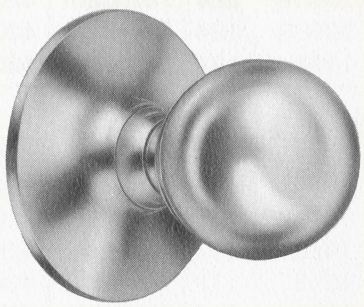
HadCo Design: Heavy cold forged reinforced knob (.080), 2¼″ diam.
Wrought rose (.080), 3½″ diam.

BriCo Design: Cast knob, 2¼″ diam.
Wrought rose (.080), 3½″ diam.



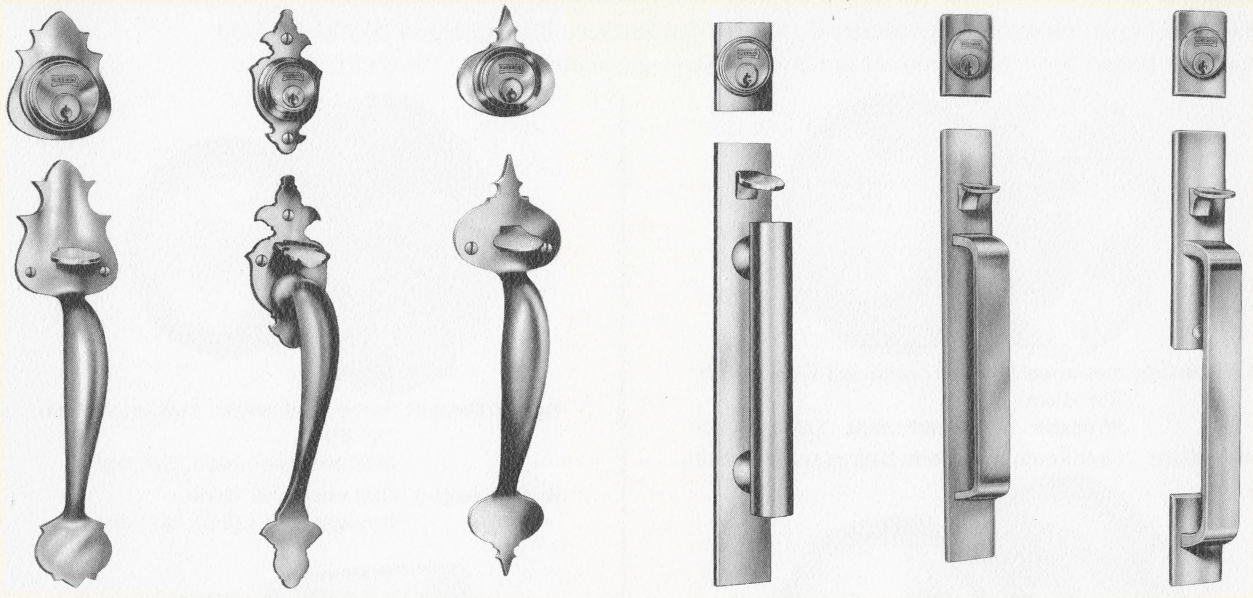
HadRoc Design: Heavy cold forged reinforced knob (.080), 2¼″ diam.
Heavy cold forged rose (.080), 3″ square

BriRoc Design: Cast knob, 2¼″ diam.
Heavy cold forged rose (.080), 3″ squares



MoCo Design: Cast knob, 2¼″ diam.
Wrought rose (.080), 3½″ diam.

MORTISE DESIGNS —
Entrance Handle Sets



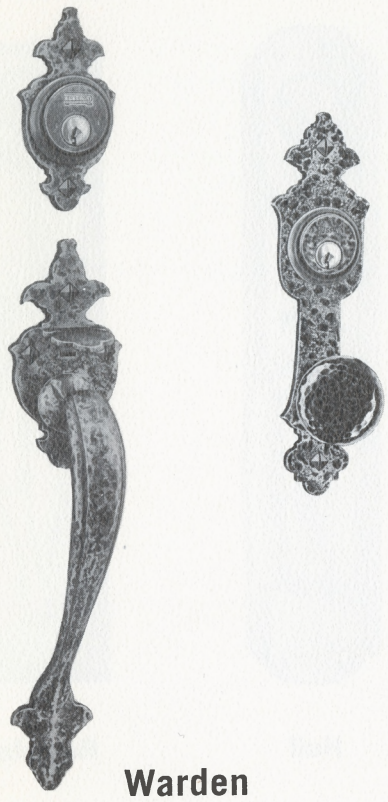
Falmouth **Brewster** **Spear** **Tower** **Modera** With (430 Handle) **Modera** With (420 Handle)

Falmouth and Spear Designs: Forged Brass . . . Colonial Period
Brewster Design: Cast Brass or Bronze . . . Colonial Period
Tower and Modera Designs: Extruded Brass, Bronze or Aluminum . . . Modern Period

Set Number	Lock Number	Lock Page	Design	Handle	Grip	Project. Inches	Size,** Inches	Cylinder Collar No.	Cylinder Collar Inches	Weight, Lbs. (Brass, Approx.)
Store Door *										
10198½	1098½	124	Modera	430½	773	1⅞	15 x 1½	910	2¼ x 1½	8
10098½	1098½	124	Tower	420½	775	2¼	15 x 1½	910	2¼ x 1½	9
10098½	1098½	124	Modera	420½	773	1⅞	15¾ x 1½	910	2¼ x 1½	8
10098½	1098½	124	Falmouth	420½	Falmouth	1⅞	15¼ x 2¾	910	2¾ x 2⅛	8½
10098½	1098½	124	Brewster	420½	Brewster	2⅜	16½ x 2½	910	4⅛ x 2⅛	8½
10098½	1098½	124	Spear	420½	Spear	1⅞	15¾ x 2⅞	910	2⅞ x 2⅝	8½
Residential †										
10013	1013	117	Falmouth	420	Falmouth	1⅞	15¼ x 2¾	910	2¾ x 2⅛	5
10013	1013	117	Brewster	420	Brewster	2⅜	16½ x 2½	910	4⅛ x 2⅛	5½
10013	1013	117	Spear	420	Spear	1⅞	15¾ x 2⅞	910	2⅞ x 2⅝	5
10113	1013	117	Modera	430	773	1⅞	15 x 1½	910	2¼ x 1½	4½
10013	1013	117	Tower	420	775	2¼	15 x 1½	910	2¼ x 1½	5½
10013	1013	117	Modera	420	773	1⅞	15¾ x 1½	910	2¼ x 1½	4½
13013	11213	142	Falmouth	420	Falmouth	1⅞	15¼ x 2¾	910	2¾ x 2⅛	5
13013	11213	142	Brewster	420	Brewster	2⅜	16½ x 2½	910	4⅛ x 2⅛	5½
13013	11213	142	Spear	420	Spear	1⅞	15¾ x 2⅞	910	2⅞ x 2⅝	5
13113	11213	142	Modera	430	773	1⅞	15 x 1½	910	2¼ x 1½	4
13013	11213	142	Tower	420	775	2¼	15 x 1½	910	2¼ x 1½	5
13013	11213	142	Modera	420	773	1⅞	15¾ x 1½	910	2¼ x 1½	4

*Furnished with handles both sides.
†Furnished with one handle outside, ½ pair knobs 2383, rose 902 and turn piece 066½ inside.
**Size includes cylinder collar.

SPECIFY NUMBER, DESIGN AND FINISH



Warden

Cast Brass and Cast RUSSWIN Metal . . . Colonial Period

Furnished Only in Finishes:

90E satin antique brass for hammered surfaces.

US17A copper nickel alloy, hammered half-polished iron.

Number	Size, Inches	Projection, Inches	Description
5410	4⅛ x 2⅛	....	Cylinder collar
5420	16½ x 2½*	2⅜	Entrance door handle
5452BK	2	2	Knob, Simplex shank, 5/16 in. spindle
T15440	6½ x 2	....	Inside escutcheon for cylinder key lock
5490	8¾ x 2½	....	Outside escutcheon for cylinder lock

*Size includes cylinder collar.

Front Door Locksets

Set Number	Lock		Knob	Handle	Cylinder Collar	Escutcheons		Wgt., Lbs. (App.)
	No.	Page				Out-Side	Inside	
Front Door Handle Cylinder Locksets								
54013†	11213	142	....	5420	5410	....	....	5½
54098½*	1098½	124	....	5420½	5410	....	....	6½
Front Door Knob Cylinder Locksets								
59148	1048	121	5452	....	....	5490	T15440	4½

†Complete with inside trim: ½ pair knobs 2383, rose 902, turn piece 066½.
*Furnished with handles both sides.



Kent

Cast Brass and Cast RUSSWIN Metal . . . Colonial Period

Outside Trim Furnished Only in Finishes:

90E satin antique brass for hammered surfaces.

US17A copper nickel alloy, hammered half-polished iron.
(specify finish desired for inside trim)

Number	Size, Inches	Project. Inches	Description
5410	3⅛ x 2⅛	....	Cylinder collar
5420	16⅞ x 2⅜*	2⅛	Entrance door handle

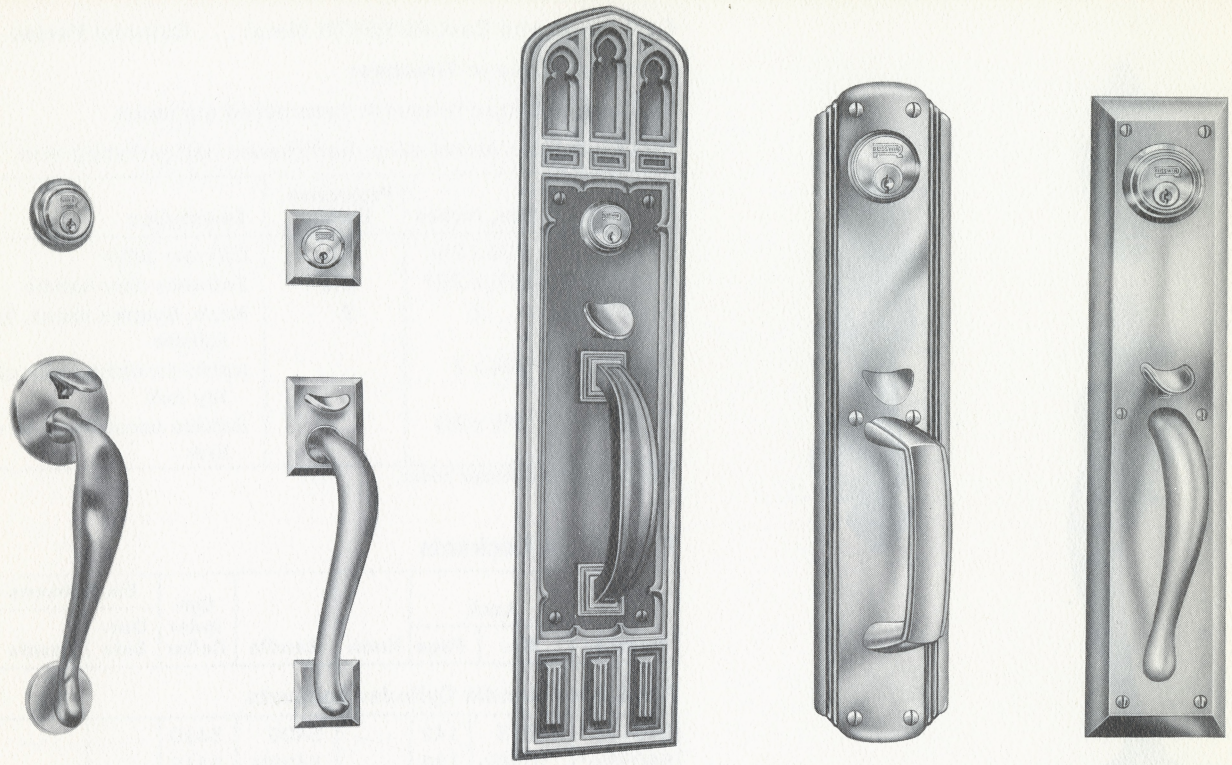
*Size includes cylinder collar.

Front Door Locksets

Set Number	Lock		Handle	Cylinder Collar	Weight, Lbs. (Brass, Approx.)
	Number	Page			
54013†	11213	142	5420	5410	4¾
54098½*	1098½	124	5420½	5410	7

†Complete with inside trim: ½ pair knobs 2383, rose 902, turn piece 066½.
*Furnished with handles both sides.

MORTISE DESIGNS —
Entrance Handle Sets



Exbrook | Lenox | Warwick | Hull | Berkeley

Lenox Design: Cast Brass, Bronze or Aluminum . . . Commercial
Exbrook Design: Cast Brass, Bronze or Aluminum . . . Colonial Period
Warwick Design: Cast Brass or Bronze . . . Gothic Period
Hull Design: Wrought Brass or Bronze . . . Modern Period
Berkeley Design: Wrought Brass or Bronze . . . Commercial

Set Number	Lock Number	Lock Page	Design	Handle	Grip	Project. Inches	Size,** Inches	Cylinder Collar No.	Cylinder Collar Inches	Weight, Lbs. (Brass, Approx.)
Residential †										
10013	1013	117	Lenox	420	0799	2⅝	13¾ x 2¼	910	2¼ x 2¼	4
10013	1013	117	Exbrook	420	0779	2¾	15 x 3	910	2	4
13013	11213	142	Lenox	420	0799	2⅝	13¾ x 2¼	910	2¼ x 2¼	3½
13013	11213	142	Exbrook	420	0779	2¾	15 x 3	910	2	3½
Store Door *										
10098½	1098½	124	Lenox	420½	0799	2⅝	13¾ x 2¼	910	2¼ x 2¼	7
10098½	1098½	124	Exbrook	420½	0779	2¾	15 x 3	910	2	7
104098½	1098½	124	Hull	410	772½	2⅛	14 x 2⅞	....	....	6¾
104298½	1098½	124	Berkeley	412	0777	2⅜	14 x 3	....	....	7
104098½	1098½	124	Warwick	410	781	2¼	22 x 4	....	....	10

*Furnished with handles both sides.
†Furnished with one handle outside, ½ pair knobs 2383, rose 902 and turn piece 066½ inside.
**Size includes cylinder collar.

SPECIFY NUMBER, LOCK AND FINISH

This page lists Turn Pieces and Key Plates currently available from Russwin. Any items now shown on catalog page 99 THAT ARE NOT LISTED ON THIS PAGE are no longer available Please insert this page into your Volume 20 catalog immediately following page 98.

TURN PIECES

Number	For description see
064	At right
066½	Catalog page 99
074	Catalog page 99
089	At right
090	At right
1294	Catalog page 99
1295	Same as 1294 except has 3/16" spindle



No. 064, 1 7/8 x 7/8 in.
Cast brass or bronze
3/16 in. spindle



No. 089, 1 3/8 in. dia.
Cast brass, bronze, aluminum or stainless steel, 3/16 in. spindle



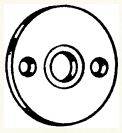
No. 090, 1 5/8 x 1 5/8 in.
Cast brass, bronze, aluminum or stainless steel, 3/16 in.

KEY PLATES

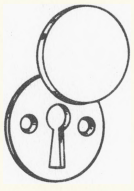
Number *	For description see
030	Catalog page 99
031	Catalog page 99
64	At right
66½	Catalog page 99
A70	At right
71D	At right
927 Enf.	At right



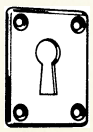
No. 64, 1 7/8 x 7/8 in.
Cast brass or bronze



No. A70, 1 3/8 in. dia.
Cast brass or bronze
For emergency key only



No. 71D, 1 5/16 in. dia.
Cast brass, bronze, aluminum



No. 927 Enfield, 2 x 1½ in.
Cast brass or bronze

* Prefix A to number when Emergency Key operation is required, i.e., A66½, etc.

ACCESSORY LOCK TRIM

Turn Pieces


No. 066, 066½


No. 568


No. 069


No. 070


No. 071


No. 074


No. 1294


No. 2148

All turn pieces are surface screw mounted.
Finished to match aluminum trim when required.

packed: 5 per box

Number	Size, Inches		Plate	Description
	Turn	Spindle		
066	1¼	3/16	1⅝ x 1⅛	Cast brass or bronze; polished or aluminum
066½	1¼	3/16	1 11/16 x 1 3/16	Wrought brass or bronze; polished or aluminum
568	1¼	5/16	1⅞ x ⅞	Cast brass or bronze; polished
069	1¼	3/16	1⅝ x 1⅛	Wrought brass or bronze; polished
070	1¼	3/16	1⅜	Cast brass or bronze; polished
071	1¼	3/16	1¼	Cast brass or bronze; polished
074	1½	3/16	1⅝	Cast brass or bronze; polished
1294	1¾ x 1⅛	5/16	1⅞ x 1¼	Cast brass or bronze; polished
2148	1⅛ x ⅝	3/16	2 x ¾	Cast brass or bronze; polished

Key Plates


No. 030


No. 031, 031¼


No. 66


No. 66½


No. 68


No. 69

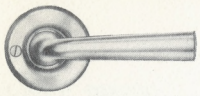

No. 926, 927 Lenox

packed: 20 per box

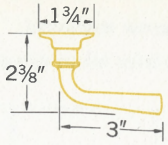
Number	Size, Inches	Description
030	2 x ⅞	Cast brass or bronze; polished
031	2⅜ x ¾	Cast brass or bronze; polished
031¼	2⅜ x ¾	Same as 031 cut for locks 268 and 568
66	1⅝ x 1⅛	Cast brass or bronze; polished or aluminum
66½	1 11/16 x 1 3/16	Wrought brass or bronze; polished or aluminum
68	1⅞ x ⅞	Cast brass; polished
69	1⅝ x 1⅛	Wrought brass or bronze; polished
926 Lenox	2 x 1½	Standard keyhole — cast brass or bronze; polished
927 Lenox	2 x 1½	For use with lock 0756 — cast brass or bronze; polished

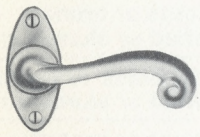
When ordering for use with locks having emergency key operation, prefix **A** to number.

ACCESSORY LOCK TRIM

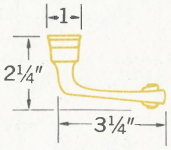


No. 2062, 3062



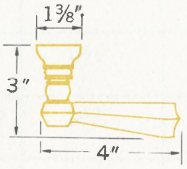


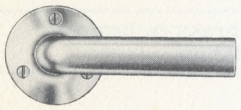
No. 2772



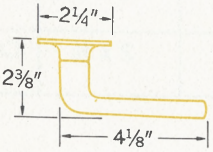


No. 2773





No. 2784



Lever Handles

For 5/16 in. spindle (regular shank diameter, ¾ in.)

Lever handles should be used only with locks and latches having type **F** (French) or type **G** (gun) springs to prevent lever handles from sagging. For other locks and latches, specify auxiliary springs No. 30 (page 104).

packed: 3 pairs per box

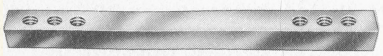
No. For Type Of Shank		Rose		
Simplex	Screwless	No.	Size, In.	Description
2062	3062	3112	1¾	Cast brass or bronze; polished
2772**	....	3181	2½ x 1	Cast brass or bronze; polished
2773**	....	3181⅜B	2½ x 1⅝	Cast brass or bronze; polished
2784	....	2784B	2¼	Cast brass, bronze or aluminum polished*

*Rose not available in aluminum — finished to match aluminum trim when required.
**Not reversible; specify hand.

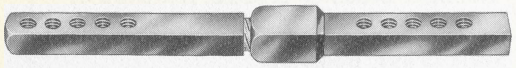
SPECIFY NUMBER, THICKNESS OF DOOR AND FINISH



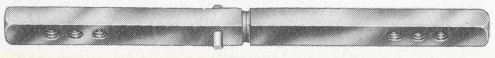
No. 5



Nos. 10. 13



No. 12



No. 11



No. 15

Knob Spindles For Plain Knob Shanks

steel

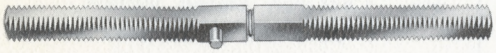
packed: 10 per box

Number	Size, Inches	Standard Length, Inches	Type
5	5/16	5	Steel, straight
10	5/16	4	Steel, straight
11	5/16	5	Steel, swivel
12	5/16 x ⅜	5	Steel, swivel
13	⅜	4⅝	Steel, straight
15	5/16	3½	Steel, straight

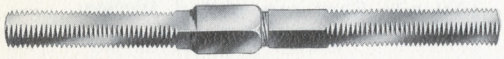
Knob Spindles, *steel*



No. 20



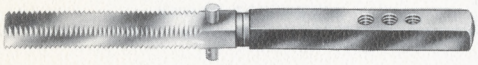
No. 21



No. 22



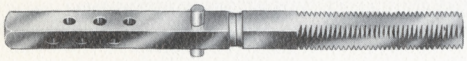
No. 20½



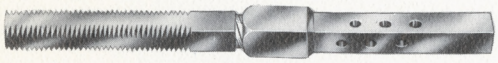
No. 21½



No. 30



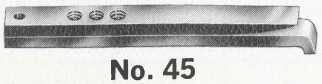
No. 31



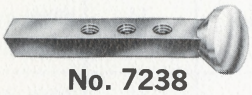
No. 32



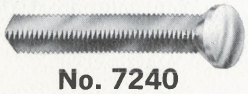
Nos. G40, M40



No. 45



No. 7238



No. 7240

packed: 10 per box

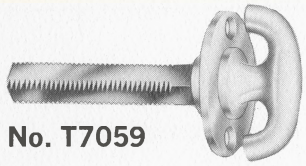
Number	Size, Inches	Standard Length, Inches	Type
Simplex Shank Knobs			
20	5/16	4¼	Steel, straight
21	5/16 x 5/16	5	Steel, swivel
22	5/16 x 3/8	5	Steel, swivel
Simplex x Plain Shank Knobs			
20½	5/16	4	Steel, straight
21½	5/16 x 5/16	5	Steel, swivel
Screwless Shank Knobs			
30	5/16	5	Steel, straight
31	5/16 x 5/16	5	Steel, swivel
32	5/16 x 3/8	5	Steel, swivel
Locks To Operate By Knob From One Side			
G40	5/16	2⅝	Steel, Simplex or screwless
M40	5/16	3¼	Steel, Simplex or screwless
45	5/16	3	Steel, plain
Rigid Knobs Used As Door Pulls			
7238	5/16	3	Steel, plain; bronze plated
7240	5/16	3	Steel, Simplex or screwless; bronze plated

Spindles for use with cylindrical lockset working trim:

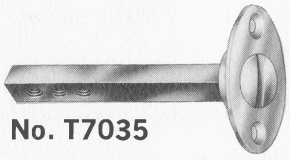
A variety of spindles are available for use with Stilemaker lockset designs when ordered as working trim. When ordering, specify thickness of door, design and number of mortise lock.

ACCESSORY LOCK TRIM

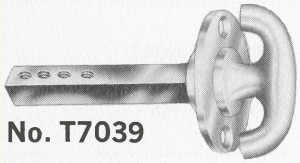
Closet Spindles, *cast iron*



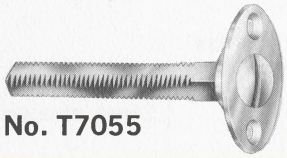
No. T7059



No. T7035



No. T7039



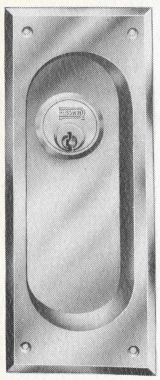
No. T7055

packed: 30 per box

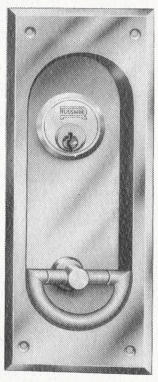
Number	Spindle Size, Inches	Standard Length, Inches	Size of Rose, Inches	Description
T7059*	5/16	3	1½	Cast iron, plated, friction polished, for Simplex or screwless shank
T7035	5/16	3	1½ x ¾	Cast iron, plated, friction polished, for plain shank
T7039	5/16	3	1½	Cast iron, plated, friction polished, for plain shank
T7055	5/16	3	1½ x ¾	Cast iron, plated, friction polished, for Simplex or screwless shank

*When ordering for use with Stilemaker working trim, suffix thickness of door to number, i.e., T7059-1¾, etc.

Escutcheons For Sliding Doors



No. 972F
Type of
T972F



No. 972½F
Type of
T972½F

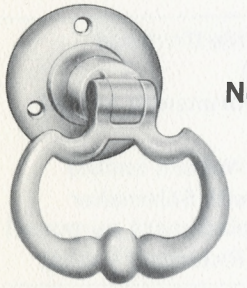
cast brass or bronze, polished

packed: 2 per box

Number	Size, Inches	Cup, Inches	Depth of Mortise, Inches	Thick. of Escutch. Inches	Escutcheon
972F	8 x 3	6⅛ x 2¼	¼	¼	With cylinder
T972F	8 x 3	6⅛ x 2¼	¼	¼	With turn piece
972½F	8 x 3	6⅛ x 2¼	¼	¼	With cylinder and drop handle
T972½F	8 x 3	6⅛ x 2¼	¼	¼	With drop handle and turn piece

SPECIFY NUMBER, LOCK WITH WHICH ESCUTCHEONS ARE USED AND FINISH

Drop Handles



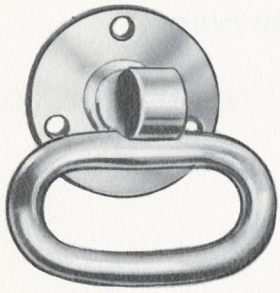
No. 123, 124

cast brass or bronze, polished

All drop handles are pinned to spindle and cannot be spindled in pairs. Not recommended on inside when used with locks that have split hubs. Recommended with rose for rim locks.

packed: 5 per box

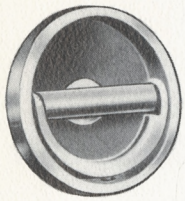
Number	Size, Inches	Projection, Inches	Rose	
			Number	Size, Inches
123	2½ x 3	2	3112¼	2¼
124	1⅞ x 2⅜	1¼	124	1⅝
125	1⅝ x 2⅜	1	125	1⅝



No. 125

SPECIFY NUMBER, THICKNESS OF DOOR, SPINDLE NUMBER AND FINISH

Drop Handles — Flush Cup



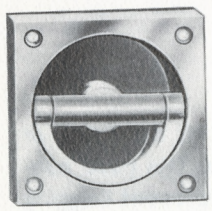
No. 053, 053¾

cast brass or bronze, polished and aluminum

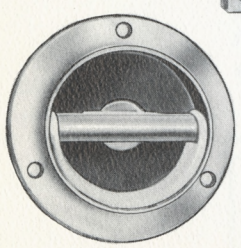
These handles cannot be spindled in pairs. Furnished with 5/16 in. spindles (except 053¾) and fitted with knobs or lever handles. Specify thickness of door and type of spindle. Drop handles not recommended on inside when used with locks that have split hubs.

packed: 5 per box

Number	Size, Inches	Spindle, Inches	Overall Depth Of Cup Mortise, Inches	Projection, Inches
052	2¼ x 2¼	5/16	½	⅛
053	2	5/16	½	1/16
053¾	2	3/16	½	1/16
056	3	5/16	No Mortise	½



No. 052



No. 056

SPECIFY NUMBER, THICKNESS OF DOOR, SPINDLE NUMBER AND FINISH

ACCESSORY LOCK TRIM

Reg. U.S. Pat. Off.
Marca Registrada

Knob Screws, *steel*

packed: 100 per box



No. 83, 84 type of 80, 81, 21458



No. 95 dowel set screw

Number	Length, Inches	Diameter, Inches	Thread	Description
80	7/32	1/4	32	Steel, plated (used in Medford and Williamsburg knobs)
81	9/32	1/4	32	Steel, plated (used in Brunswick knobs)
83	21/64	5/16	32	Steel, plated
84	11/32	1/4	32	Steel, plated (used in Woburn knobs)
95	5/8	1/4 x 1/8	24	Steel, plated; for use with Stilemaker working trim (for replacement purposes)
21458	5/32	1/4	32	Steel, plated (used in Richmond knobs)

Can be furnished Cadmium Plated under finish for salt atmospheres when so ordered.

SPECIFY NUMBER AND FINISH

Knob Spindle Holders



No. 20

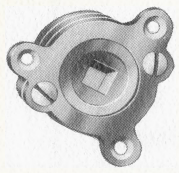
wrought steel

To be applied to door under rose or escutcheon to make knob rigid, particularly when knobs are used as dummy trim.

packed: 10 per box

Number	Size, Inches	Spindle Size, Inches
20	1 1/8 x 1 1/8	5/16

Auxiliary Springs



No. 30

cast bronze, unpolished

For use with rose not less than 2 1/4 in. diameter or escutcheons not less than 2 1/4 in. wide. The case contains a coiled steel spring designed to prevent sagging of heavy lever handles, and also to relieve the latch spring in locks from excessive wear. Mortised into door between lock hub and rose or escutcheon.

packed: 10 per box

Number	Size, Inches	Spindle Size, Inches
30	2 3/8	5/16

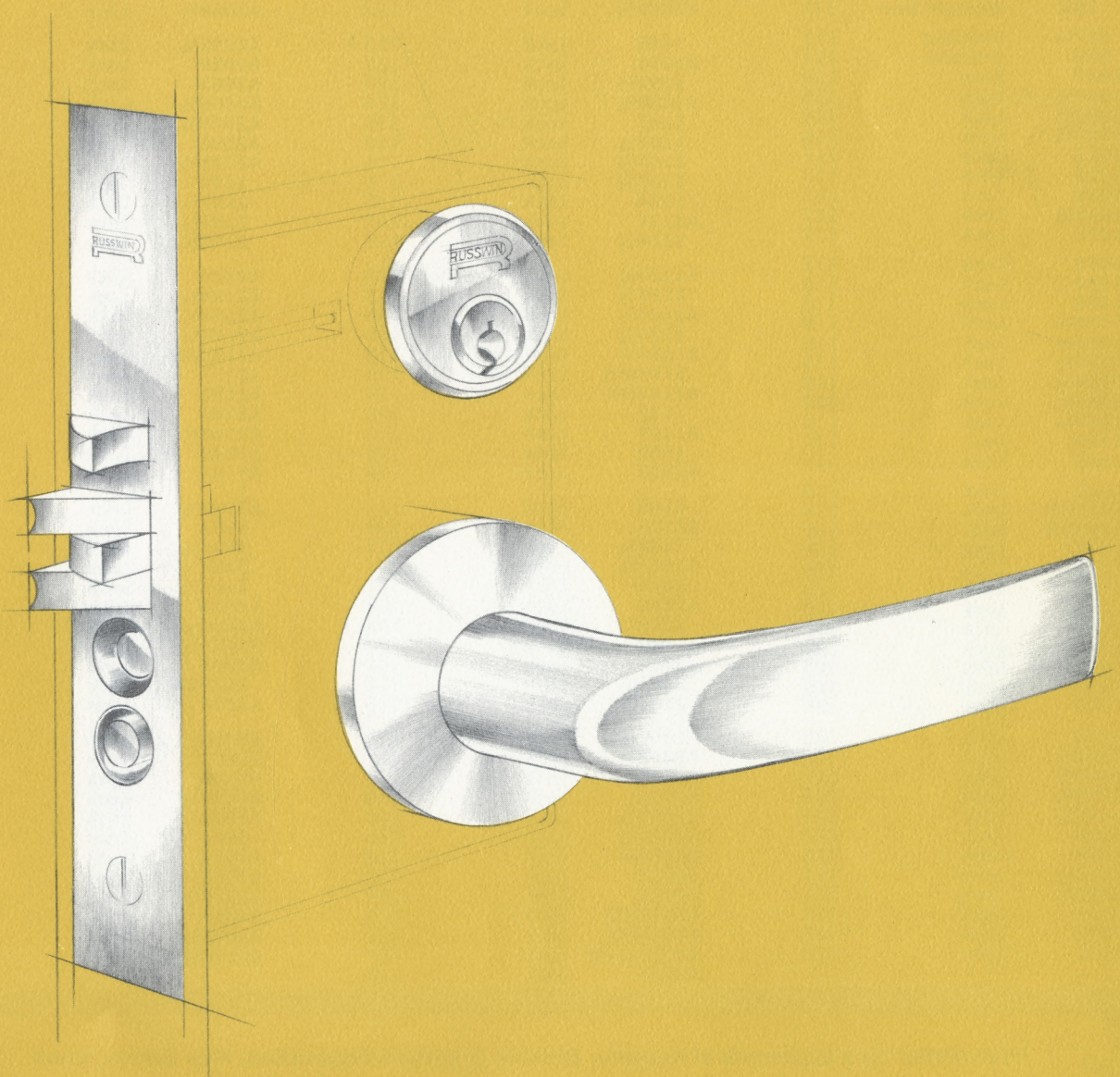
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



Sheraton Hotel
San Juan, Puerto Rico

RUSSWIN®

"TEN STRIKE" AND [redacted] SERIES MORTISE [redacted]



"TEN STRIKE" and 3000 SERIES Mortise Locks

Alphabetical Index

Ten Strike mortise locks

Description	Page
Indicators	111
Locks	116-124
Parts	125
Quick Selector	112-115
Scalps	111

Ten Strike mortise locks (cont.)

Description	Page
Specifications	110
Standardized template	107
Strikes	111
Hand of Doors and Locks	107

3000 Series Master Ring Cylinder mortise locks

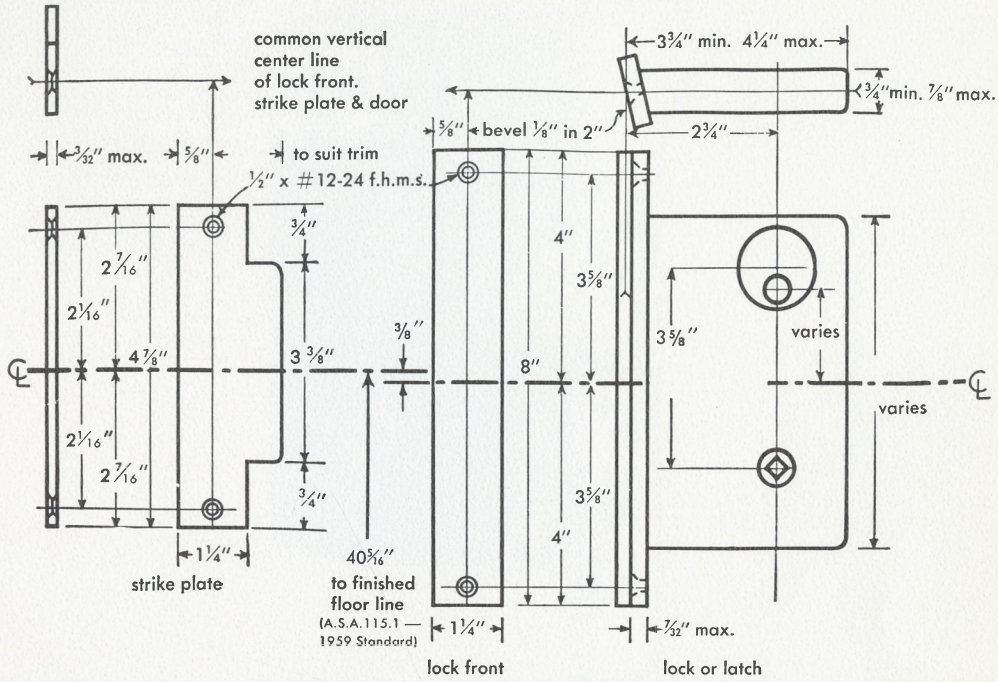
Description	Page
Locks	127-128
Specifications	126
Strikes	126

Numerical Index

Number	Description	Page
B	Indicator	111
4E	Strike	111
8B	Strike	111
8D	Strike	111
9A	Strike	111
9B	Strike	111
9C	Strike	111
9J	Strike	126
9M	Strike	126
9P	Strike	126
16W	Wrought Box	111
967¼	Indicator	111
968	Indicator	111
1007	Lock	116
1007¼	Lock	116
1007½	Lock	116
1007¾	Lock	116
1013	Lock	117
A1013	Lock	117
1018	Lock	117
1018½	Lock	117
1023	Lock	117
A1023	Lock	118
1024	Lock	118
A1024	Lock	118
1024¼	Lock	118
A1024¼	Lock	118
1024½	Lock	118
A1024½	Lock	118
1024¾	Lock	118
A1024¾	Lock	118
1025	Lock	118
A1025	Lock	119
1028	Lock	119
1033HM	Lock	119
A1033HM	Lock	119
1036	Lock	119
A1036	Lock	119
1037	Lock	120
A1037	Lock	120
1038	Lock	120
A1038	Lock	120
1039	Lock	120
A1039	Lock	120
1040	Lock	120
A1040	Lock	120
1040½	Lock	121
A1040½	Lock	121
1040⅞	Lock	121
A1040⅞	Lock	121
1048	Lock	121
A1048	Lock	121
1048½	Lock	121
A1048½	Lock	121
1049	Lock	122
A1049	Lock	122
1056	Lock	122
A1056	Lock	122
1058½	Lock	122
A1058½	Lock	122
1058⅝	Lock	122
A1058⅝	Lock	122
1059	Lock	123
A1059	Lock	123
1068½	Lock	123
A1068½	Lock	123
1068⅝	Lock	123
A1068⅝	Lock	123
1098	Lock	123
A1098	Lock	123
1098½	Lock	124
A1098½	Lock	124
1107	Lock	116
1107¼	Lock	116
1107½	Lock	116
1107¾	Lock	116
1124	Lock	118
A1124	Lock	118
1124¼	Lock	118
A1124¼	Lock	118
1124½	Lock	118
A1124½	Lock	118
1124¾	Lock	118
A1124¾	Lock	118
1133HM	Lock	119
A1133HM	Lock	119
1137	Lock	120
A1137	Lock	120
1139	Lock	120
A1139	Lock	120
1148	Lock	121
A1148	Lock	121
1148½	Lock	121
A1148½	Lock	121
1149	Lock	122
A1149	Lock	122
1198	Lock	123
A1198	Lock	123
2007	Lock	116
2007¼	Lock	116
2007½	Lock	116
2007¾	Lock	116
A2013	Lock	117
A2023	Lock	117
A2024	Lock	118
A2024¼	Lock	118
A2024½	Lock	118
A2024¾	Lock	118
A2025	Lock	119
H2025	Lock	119
A2033HM	Lock	119
A2034HM	Lock	124
A2034¾HM	Lock	124
A2036	Lock	119
A2037	Lock	120
A2038	Lock	120
A2039	Lock	120
A2040	Lock	120
A2040½	Lock	121
A2040⅞	Lock	121
A2048	Lock	121
A2048½	Lock	121
A2049	Lock	122
A2056	Lock	122
A2058½	Lock	122
A2058⅝	Lock	122
A2059	Lock	123
A2061	Lock	124
A2068½	Lock	123
A2068⅝	Lock	123
A2098	Lock	123
A2098½	Lock	124
2107	Lock	116
2107¼	Lock	116
2107½	Lock	116
2107¾	Lock	116
A2124	Lock	118
A2124¼	Lock	118
A2124½	Lock	118
A2124¾	Lock	118
A2133HM	Lock	119
A2137	Lock	120
A2139	Lock	120
A2148	Lock	121
A2148½	Lock	121
A2149	Lock	122
A2198	Lock	123
A2198½	Lock	124
3007	Lock	127
3007¼	Lock	127
3007½	Lock	127
3007¾	Lock	127
A3024	Lock	127
A3024¼	Lock	127
A3024½	Lock	128
A3025	Lock	127
3033EM	Lock	127
A3036	Lock	128
A3038	Lock	128
A3039	Lock	128
A3040	Lock	128
A3040½	Lock	128
A3040⅞	Lock	128
3048	Lock	127
A3056	Lock	127
A3058½	Lock	128
A3058⅝	Lock	128
A3059	Lock	127
A3068½	Lock	128
A3068⅝	Lock	128

"Ten Strike" is a trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

Standardized Template Locks and Latches for Hollow Metal Doors



Above template applies to knob operated locks — for thumb piece operated locks the spacing (from center of cylinder to bottom of thumb piece latch lever) varies — all other dimensions remain the same.

The locks in the A2000 series conform to the standards adopted by the American Standards Association. All locks have uniform front, strike and lip of strike; the strike being flat type without box.

The standardization applies only to locks and their strikes, and covers those in most general use. It is still possible to have locks used which are not included in this plan, but they are special in the metal door manufacturers' estimation, and should not be used when the desired functions can be secured with the certified template locks. The door manufacturers have provided standard reinforcements for these certified template locks and their strikes.

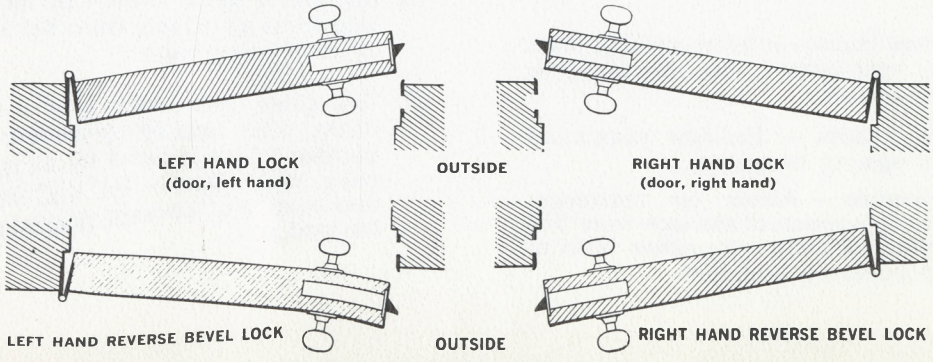
Front: 8 x 1¼ inches; beveled ⅛ on 2 inch; maximum thickness of front 7/32 inch; furnished with f.h. machine screws ½ inch, No. 12 x 24, undercut.

Backset: 2¾ inches

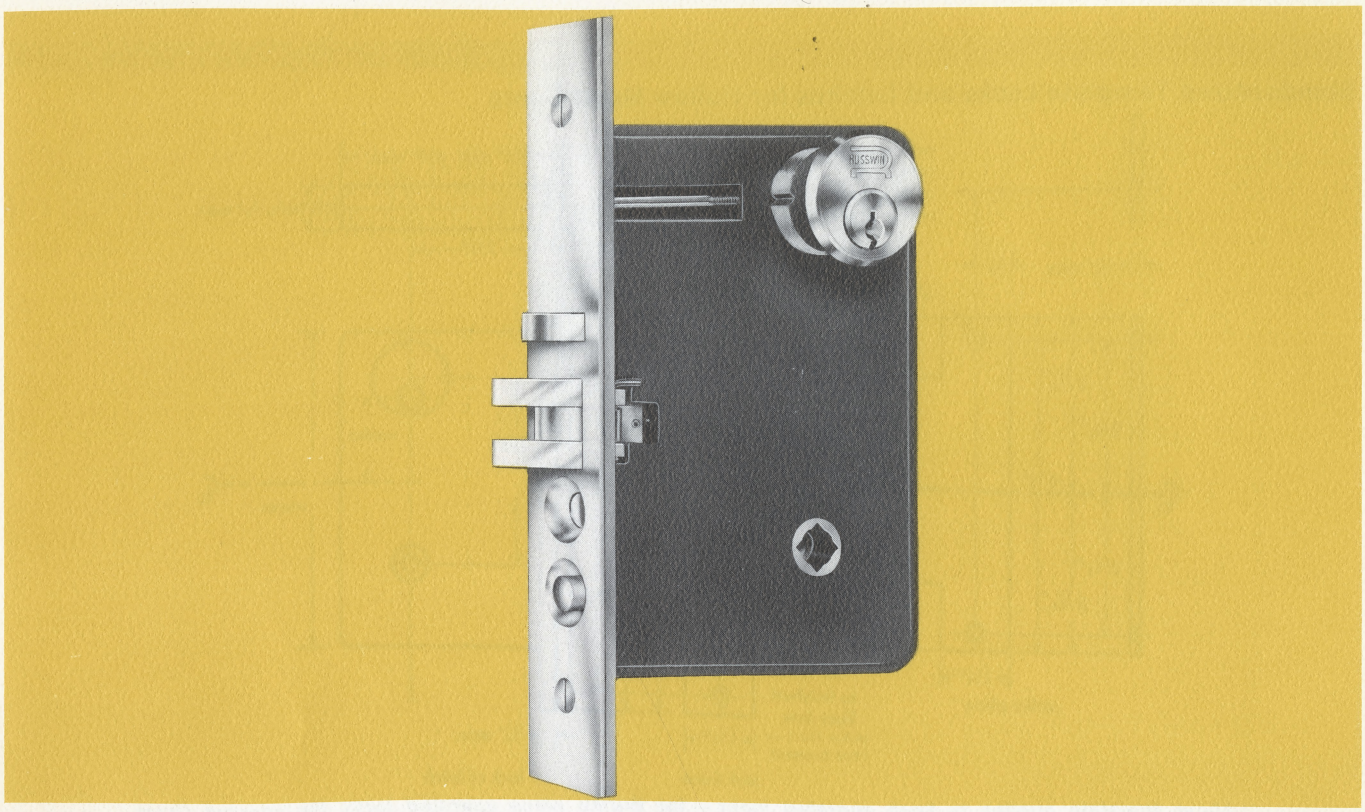
Strike: 4⅞ x 1¼ inches; maximum thickness of strike 3/32 inch; 1⅛" lip to center regular, special to suit trim; furnished with f.h. machine screws ½ inch, No. 12 x 24, undercut.

Lip of Strike: 3⅜ inches high

Handing of Doors Always take handings from outside



"TEN STRIKE" Mortise Locks



"TEN STRIKE" Series Proves There's More to Sell in Mortise Locks by RUSSWIN

More Construction Quality . . . More Unyielding Strength . . . More Lock Functions . . . More Long, Trouble-Free Service . . . More Choice of Designs and Finishes . . . More Lock Value. Anyway you look at it, here's the Lock Line that means less to stock, more to sell!

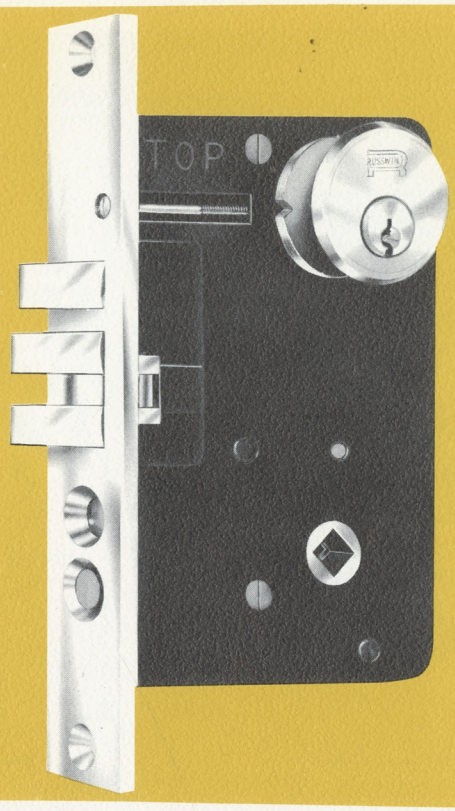
"TEN STRIKE" Mortise Locks are Finest—10 Ways:

1. Standardized Case — All lock functions available in one size case.
2. Smooth, Easy Mortise Case — No bosses or projections. Assures snug, solid fit in mortise.
3. Balanced Knob Action — Same spring tension in either direction gives lock perfectly balanced knob action.
4. Forged Brass Knob Hubs — Interior working parts are extruded or cold-formed steel for enduring wear and long operation.
5. Armored Scalp Fronts — Provide maximum strength, protect against tampering.
6. Completely Reversible — Allows for rearrangement of parts for conversion of the lock from one function to another. All locks with either plain or anti-friction latch bolts are reversible.
7. Extra-Heavy, Long-Throw Latch Bolts — Full 5/8" throw anti-friction and plain latch bolts assure positive latching.
8. Dead Bolt Locks — Available with either 5/8" or 1" throw.
9. Adjustable Bevel Front — All locks are furnished with front adjustable from flat to standard bevel 1/8" on 2", any hand.
10. Two Lines: Standard — $1^{1}/_{16}$" x 8" front for $1^{3}/_{8}$" doors, $2^{3}/_{4}$" backset (available in special $2^{1}/_{2}$" backset.) Case is same for all types of lock functions. Heavy-Duty — $1^{1}/_{4}$" x 8" front for $1^{3}/_{4}$" doors and over, $2^{3}/_{4}$" backset (available in special $2^{1}/_{2}$" backset.)

Designed for High-Frequency Service, "TEN STRIKE" Locks Belong in Schools, Commercial Institutions, Hospitals and Industrial Buildings.

See Pages 110-125

3000 SERIES Mortise Locks





Key Security is the Keynote in RUSSWIN 3000 Series Mortise Locks

It's the Master Ring Cylinder that does it! 3000 Series Locks features an independent plug and an independent master ring unit with single key plug operation. To fulfill your keying requirements, the combination of the master ring cylinder and the Russwin multiplex keyways provides maximum security, expansion and versatility. In addition, top construction, top performance and top dependable service are yours with Russwin 3000 Locks.

Special Features For Stand Out Performance in 3000 Series

All interior parts made of cast gun metal and heavy-gauge cold-formed steel resulting in longer lock life, less maintenance.

Extra-heavy, long-throw latch bolts are cast bronze and have compression springs assuring greater security, easier latching.

Balanced knob action provides equal pressure on knob in either direction, reduces strain on working parts, insures easy operation.

Ball bearing design cylinders increase cylinder life by reducing wear on cylinder pins.

Change key operates only in plug. Master key functions only in the master ring. This eliminates complication of split pins in the master keyed assemblies, provides maximum key security.

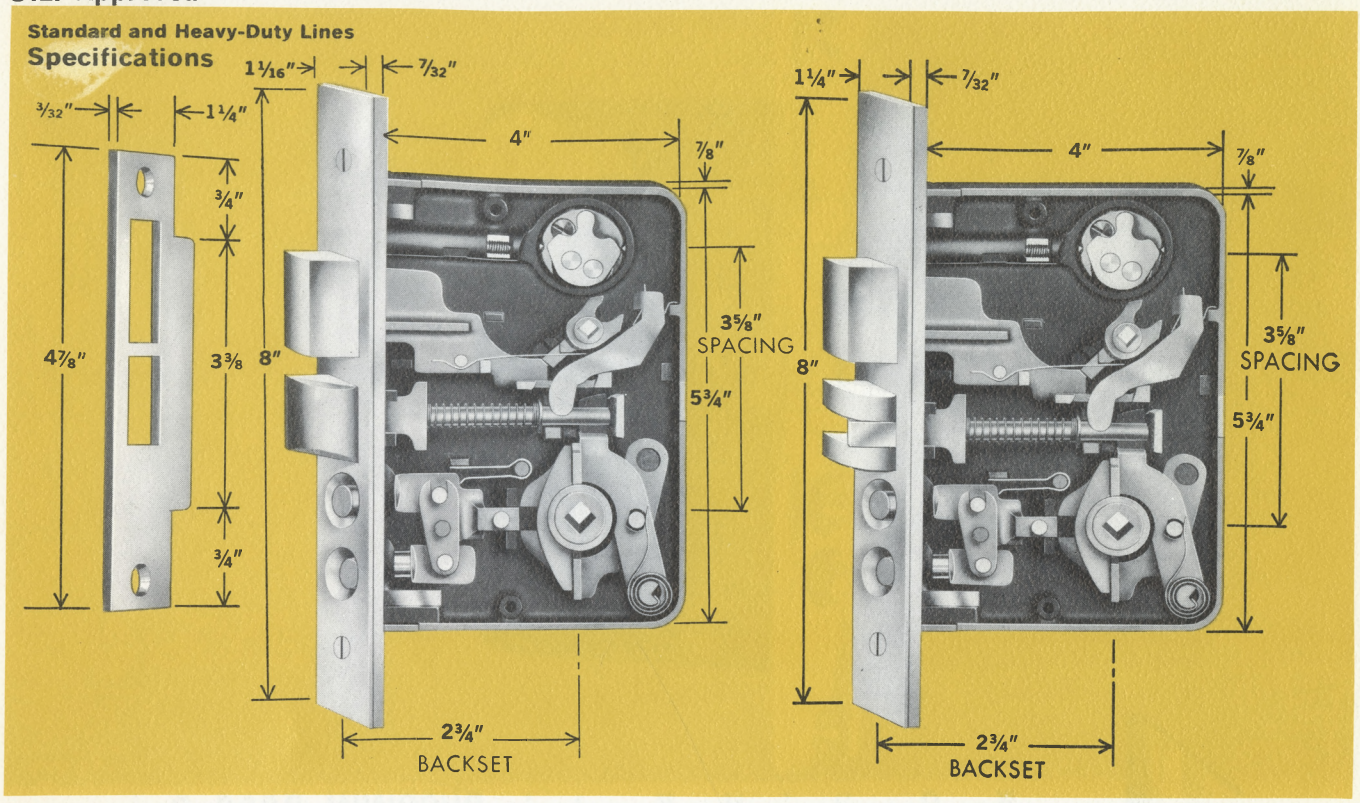
Use 3000 Series for All Types of Installations Having Extensive Security Requirements. Offers Widest Range of Expansion.

See Pages 126-128

"TEN STRIKE" Mortise Locks

U.L. Approved

Standard and Heavy-Duty Lines
Specifications



Standard Line: For doors 1⅜ in. thick and over and designated as the 1000 series as 1038, 1024, etc.

Meets Federal Specifications FFH-106A, 85 Series

Case: Cast iron, 5¾ x 4 x ⅞ in.

Front: Forged brass, 8 x 1 1/16 x 7/32 in. Available with ¼" radius, rounded corners on front and scalp, prefix **RC** to number.

Scalp: Wrought brass, bronze, aluminum or stainless steel, armored; attached by machine screws to front

Strike: Wrought brass, bronze or stainless steel, 3/32 in. thick, finished to match aluminum trim when required; lip: 1⅛ in. to center regular (also available with lips up to 3 in. when ordered).

Latch Bolts*: Extruded brass
Plain: ⅝ x 1 in.-⅝ in. throw
Anti-Friction: ⅝ x 1 in.-⅝ in. throw

Dead Bolts: Forged brass
Plain: 19/32 x 1¼ in.-⅝ in. throw
Hardened steel inserts, 19/32 x 1¼ in.-1 in. throw

Keys: Two nickel-silver, class 5D1

Backset: Regular, 2¾ in.; special, 2½ in.; width of case is 1¼ in. more than backset

Hub: Forged brass for ⅜ x 5/16 in. or 5/16 in. spindle

Spring: TS-compression and coiled torsion

Spacing: 3⅝ in. x 2 7/16 in.

Cylinder: 5 or 6 pin, ball bearing type

*Certain locks may be furnished with latch hold-back feature (see pages 116-124). To order, prefix "H" to number, i.e., H1048, HA2048. Patent No. 3141320. (Non-dead-bolt locks).

Heavy-Duty Line: For doors 1¾ in. thick and over; conforms to requirements for standardized cylinder locks and latches; designated as the A2000 series, as A2038, A2024, etc.

Conforms to Federal Specifications FFH-106A, 86 Series

Case: Cast iron, 5¾ x 4 x ⅞ in.

Front: Forged brass, 8 x 1¼ x 7/32 in. Available with rounded corners on front and scalp for use on doors with ¼" radius, prefix **RC** to number. Available with rabbeted front, prefix **R** to number.

Scalp: Wrought brass, bronze, aluminum or stainless steel, armored; attached by machine screws to front.

Strike: Wrought brass, bronze or stainless steel, 3/32 in. thick; finished to match aluminum trim when required; lip 1⅛ in. to center regular (also available with lips up to 3 in. when ordered).

Latch Bolts*: Extruded brass; anti-friction, ⅝ x 1 in.-⅝ in. throw**

Dead Bolts: Forged brass.
Plain: 19/32 x 1¼ in.-⅝ in. throw
Hardened steel inserts: 19/32 x 1¼ in.-1 in. throw

Keys: Two nickel-silver, class 5D1

Backset: Regular, 2¾ in.; special, 2½ in.; width of case is 1¼ in. more than backset

Hub: Forged brass for ⅜ x 5/16 in. or 5/16 in. spindle

Spring: TS-compression and coiled torsion

Spacing: 3⅝ in. x 2 7/16 in.

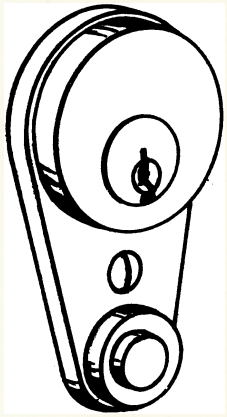
Cylinder: 5 or 6-pin, ball bearing type.

**Also available with ¾ in. throw in non dead-bolt functions (except A2023 lock), 2¾ in. backset only. When so desired, insert "3" after first digit of number, i.e., A23038.

When wanted to template, specify x TMS. For stock, locks may be ordered by specifying number and finish; for use on specific jobs, specify hand and bevel in addition and locks will be so furnished to fit requirements.

TEMPORARY CATALOG PAGE 110A

Modern - Contoured Cylinder Collar and Indicator Button No. 968



For use with Flexible Head Cylinders

Size: 3 x 1-5/8 inches

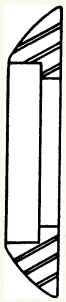
When the door is locked from the inside by key, the "button" on the face of the indicator cannot be depressed, thur indicating that the room is occupied.

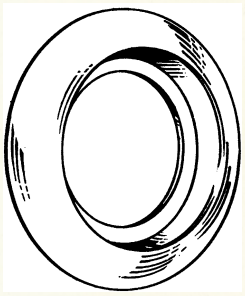
For use with Hotel Mortise Locks.

- -

Security Cylinder Collar No. 950

The design of this collar is such that it is virtually tamper-proof





Material: Hardened Steel

Diameter: 2-1/4 inch

Thickness: 13/32

A spring or wave washer is furnished with each collar which maintains constant pressure, holding the collar securely against door.

For use with cylinders:
0-1/2 thru 14 series
110-1/2 thru 1114 series
1190 and 1290 series

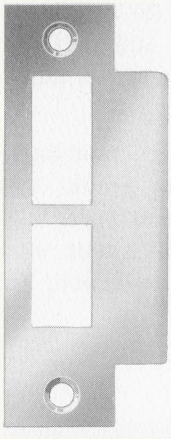
Not available for Flexible Head or Master Ring Cylinders

Finishes: US3, US10, US26, US26D

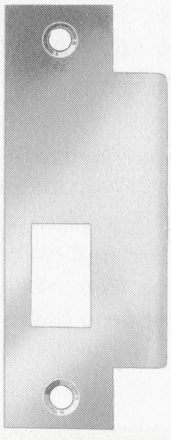
3/66

Strikes and Scalps For "Ten Strike" Locks

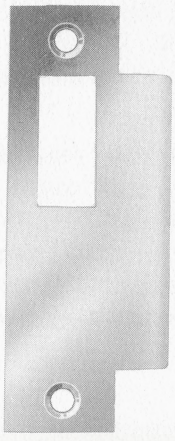
ASA standard — 4⅞ x 1¼ in. — 1⅛ in. lip to center, unless otherwise ordered. (Lips from 1½ to 3 inches available when ordered)



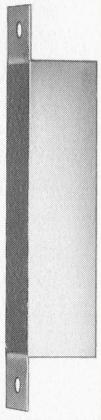
No. 9A



No. 9B



No. 9C



No. 16W wrought box, ⅞" depth

Following replacement strikes (5¾ x 1¼ in.) available only when ordered:

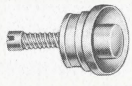
No. 8B: Latch bolt and dead bolt functions.

No. 8D: Dead bolt only functions.

No. 4E: Latch bolt only functions.

Indicators (to indicate room occupancy)

When the door is locked from the inside by the key, the "Push Button" cannot be depressed, thus indicating that the room is occupied.



Type B

Indicators are not included in the price of locks.

When locks are supplied with this indicating device, the outside escutcheon has a "Push Button" attachment.



No. 967¼
Penn, Type of 968

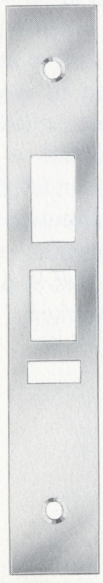
Size 3 x 1⅞ inches.

No. 967¼: Penn design combined cyl. collar and indicator plate is used in conjunction with regular cylinders. For flexible head cylinders, specify No. 968.

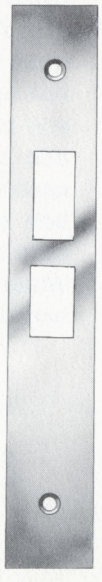
For use with Hotel Locks, 1033HM, page 119 and A2034HM, page 124.



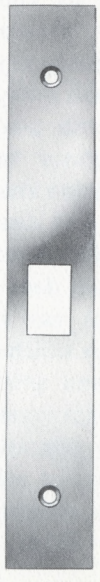
1007
2007



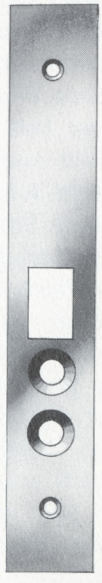
A2034



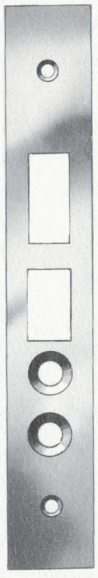
1024
A2024



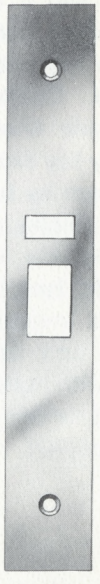
1025
A2025



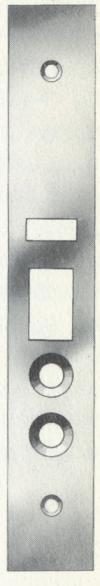
1038
A2038



1048
A2048



1058½
A2058½



1056
A2056

TO ORDER, SPECIFY TYPE REQUIRED, LOCK NUMBER, AND FINISH

"TEN STRIKE" Quick Selector

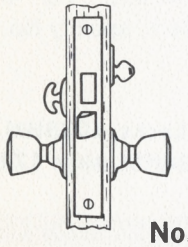
To assist in the preparation of specifications and schedules with the "Ten Strike" line of locks, we list on this and the following pages the numbers of the most generally used locks for different types of doors.

In each instance (except for locks A2034HM, A2034¾ HM, 1028, 1018½ and 1018 which are available only as listed) we give the number of the standard lock with plain latch bolt, i.e., 1038. If heavy-duty lock with anti-friction latch bolt is desired, prefix "A" to number and change the first digit from "1" to "2", i.e., A2038.

Locks with dead bolts are furnished with ⅝ in. throw dead bolt if ordered as listed. If 1 in. throw dead bolt (with hardened steel inserts) is desired, change the second digit from "0" to "1", i.e., 1133HM instead of 1033HM. This does not apply to locks 1013, 1018, 1018½, which are available only with ⅝ in. throw dead bolt.

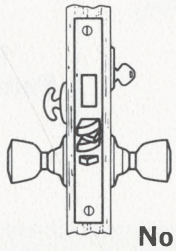
Certain locks may be furnished with latch hold-back feature. (see pages 116-124). To order, prefix "H" to number, i.e. H1048. Operation: to hold latch bolt retracted, project dead bolt and retract latch bolt; with latch bolt held in this position, retract dead bolt. To release hold-back, project dead bolt.

Hotel Guest Room Doors



No. 1033HM

When door is closed it automatically locks and latch bolt can be operated only by key outside and by knob inside. Outside knob always rigid; inside knob always free. Latch bolt by key except when dead bolt is thrown by turn piece inside; then by display or emergency key only outside. When not deadlocked inside, lock is subject to guest, maid's master, grand master, display and emergency keys. Furnished with indicator "B" when so ordered, which indicates when room is occupied.

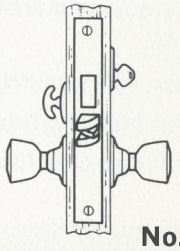


No. A2034¾HM

A2034¾HM: Latch bolt by knob from inside and guest, master, grand master and emergency keys from outside. Outside knob always rigid. Dead bolt by thumb piece from inside and emergency key from outside. A turn of inside knob retracts both latch bolt and dead bolt simultaneously. Auxiliary latch deadlocks latch bolt when door is closed. When so ordered, can be furnished with display key which is operative at all times and which shuts out all keys except emergency key. Display key operates its own lock only. Furnished with indicator "B" when so ordered, which indicates when room is occupied.

A2034HM: Same as No. A2034¾ HM, except turn of inside knob retracts latch bolt only.

Dormitory Doors



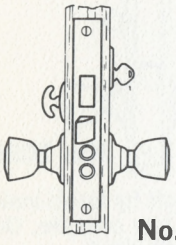
No. A2061

Latch bolt by knob from either side except that outside knob is locked when dead bolt is projected. Dead bolt operated by key from outside and turn piece inside. When dead bolt is projected, a turn of inside knob will retract latch bolt and dead bolt simultaneously, which automatically unlocks outside knob. When dead bolt is projected, latch bolt is deadlocked.

trim shown for illustration purposes only

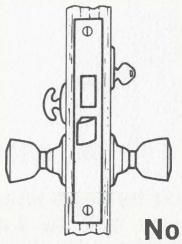
RUSSWIN

Entrance Doors — Residential, Public Buildings, Apartments



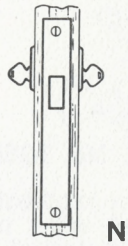
No. 1048

Latch bolt by knob either side except when outside knob is locked by stop in front; then by key outside, knob inside. Dead bolt by key outside and turn piece inside.



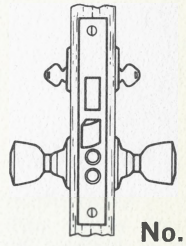
No. 1024

Latch bolt by knob either side. Dead bolt by key outside and turn piece inside.



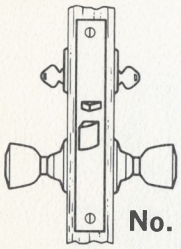
No. 1007½

Dead bolt by key either side.



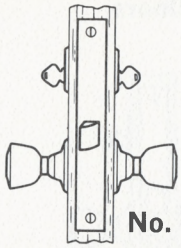
No. 1048½

Latch bolt by knob either side, except when outside knob is locked by stop in front; then by key outside and knob inside. Dead bolt by key both sides.



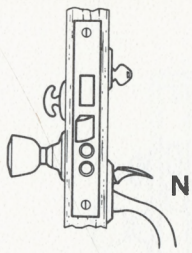
No. 1058½

Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder; then by key outside, knob inside. When so specified, change key will operate inside cylinder. Deadlocking latch.



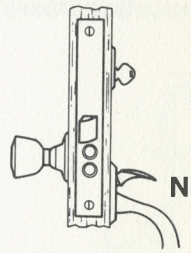
No. 1068½

Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder; then by key outside, knob inside. When so specified, change key will operate inside cylinder.



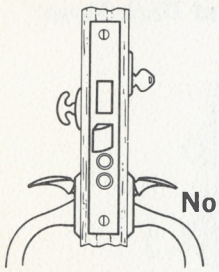
No. 1013

Latch bolt by thumb piece outside and knob inside, except when thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolt by key outside and dead bolt by turn piece inside.



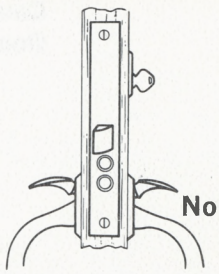
No. 1023

Latch bolt by thumb piece outside and knob inside, except when thumb piece is locked by stop in front. When thumb piece is locked, latch bolt by key outside.



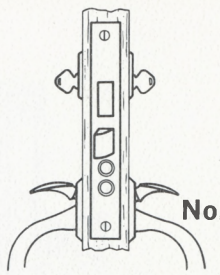
No. 1018

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolts by key outside and dead bolt by turn piece inside.



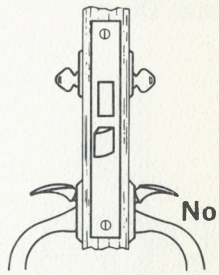
No. 1028

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch bolt by key outside and thumb piece inside.



No. 1018½

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolts by key either side.



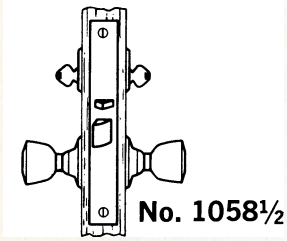
No. 1098½

Latch bolt by thumb piece either side. Dead bolt by key either side.

No. 1098: Same as above, except turn piece replaces inside cylinder as in No. 1018.

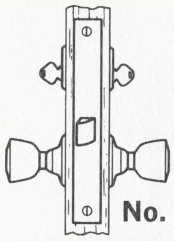
"TEN STRIKE" Quick Selector

Public Toilet Doors



No. 1058½

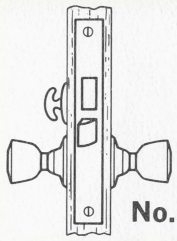
Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder, then by key outside, knob inside. When so specified, change key will operate inside cylinder. Deadlocking latch.



No. 1068½

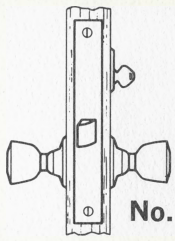
Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder, then by key outside, knob inside. When so specified, change key will operate inside cylinder.

Bathroom Doors



No. 1039

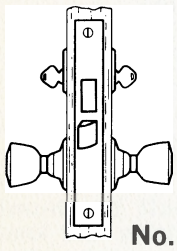
Latch bolt by knob either side. Dead bolt by turn piece inside and emergency key No. 219 outside.



No. 1036

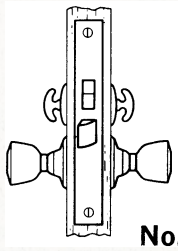
Latch bolt by knob inside and by key outside. Outside knob rigid.

Communicating Doors



No. 1024½

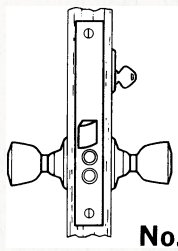
Latch bolt by knob either side. Dead bolt by key either side.



No. 1040

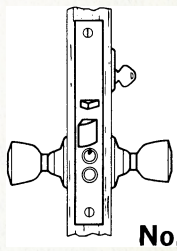
Latch bolt by knob either side. Split dead bolt by turn piece opposite sides.

Office Doors



No. 1038

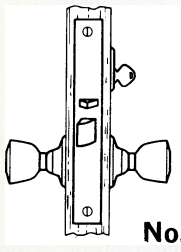
Latch bolt by knob either side, except when outside knob is locked by stop in front; by key outside at all times.



No. 1056

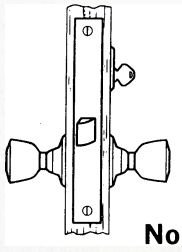
Latch bolt by knob either side, except when outside knob is locked by stop in front; by key outside at all times. Deadlocking latch.

Classroom Doors



No. 1058⅝

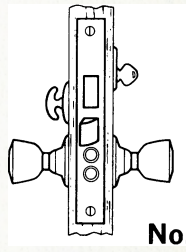
Latch bolt by knob either side, except when outside knob is locked by key through cylinder, then by key outside, knob inside. Deadlocking latch.



No. 1068⅝

Latch bolt by knob either side, except when outside knob is locked by key through cylinder, then by key outside, knob inside.

Conference and Dark-Room Doors

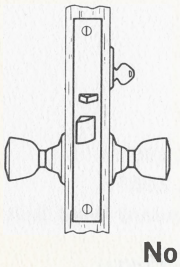


No. 1037

Latch bolt by knob either side, except when outside knob is locked by stop in front. By key outside, except when turn piece is thrown, deadlocking latch bolt and making all keys inoperative.

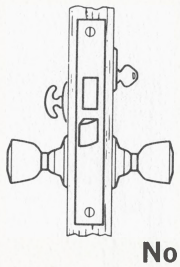
trim shown for illustration purposes only

Closet and Storeroom Doors



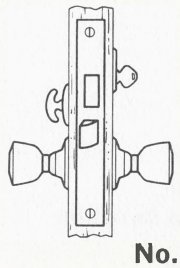
No. 1059

Latch bolt by knob inside and by key outside. Outside knob rigid at all times. Dead locking latch.



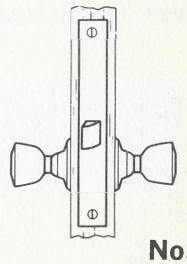
No. 1024

Latch bolt by knob either side. Dead bolt by key outside and turn piece inside.



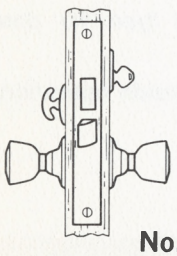
No. 1024¾

Same as No. 1024 except that turn piece will retract the dead bolt but not project it.



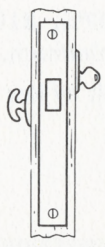
No. 1025

Latch bolt by knob either side.



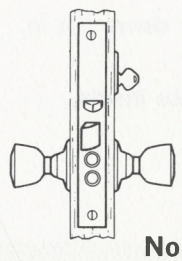
No. 1049

Latch bolt from inside by knob only. Outside knob rigid. Latch bolt and dead bolt by key outside; dead bolt by turn piece inside.



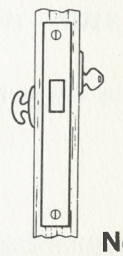
No. 1007

Dead bolt by key outside and turn piece inside.



No. 1056

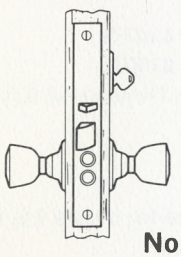
Latch bolt by knob either side except when outside knob is locked by stop in front: by key outside at all times. Dead locking latch.



No. 1007¾

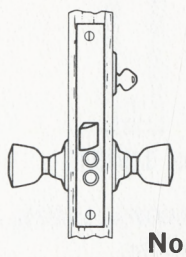
Same as No. 1007 except that turn piece will retract dead bolt but will not project it.

Vestibule Doors



No. 1056

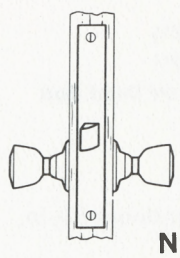
Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times. Dead locking latch.



No. 1038

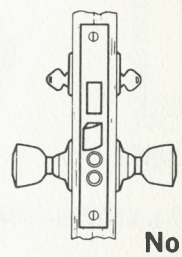
Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times.

Passage Doors



No. 1025

Latch bolt by knob either side.

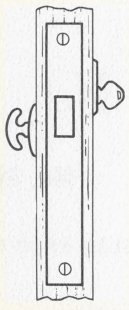


No. 1048½

Latch bolt by knob either side except when outside knob is locked by stop in front; then by key outside and knob inside. Dead bolt by key both sides.

"TEN STRIKE" Mortise Locks

Storeroom and Entrance Doors





No. 1007
No. 2007
Standard Dead Bolt

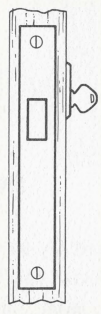
No. 1107
No. 2107
1-in. Throw Dead Bolt

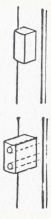
No. 1007

No. 1007, 1107 — Standard type for doors 1⅜ in. minimum.

No. 2007, 2107 — Heavy-duty type for doors 1¾ in. minimum.

Dead bolt by key outside and turn piece inside.





No. 1007¼
No. 2007¼
Standard Dead Bolt

No. 1107¼
No. 2107¼
1-in. Throw Dead Bolt

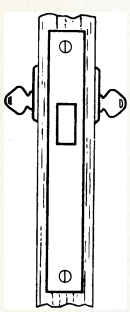
No. 1007¼

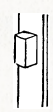
No. 1007¼, 1107¼ — Standard type for doors 1⅜ in. minimum.

No. 2007¼, 2107¼ — Heavy-duty type for doors 1¾ in. minimum.

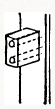
Dead bolt by key outside only. No inside operation.

Storeroom and Entrance Doors





No. 1007½
No. 2007½
Standard Dead Bolt



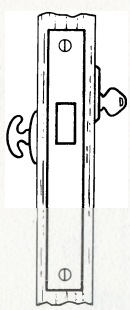
No. 1107½
No. 2107½
1-in. Throw Dead Bolt

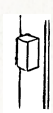
No. 1007½

No. 1007½, 1107½ — Standard type for doors 1⅜ in. minimum.

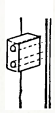
No. 2007½, 2107½ — Heavy-duty type for doors 1¾ in. minimum.

Dead bolt by key either side.





No. 1007¾
No. 2007¾
Standard Dead Bolt



No. 1107¾
No. 2107¾
1-in Throw Dead Bolt

No. 1007¾

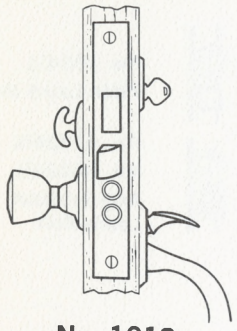
No. 1007¾, 1107¾ — Standard type for doors 1⅜ in. minimum.

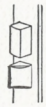
No. 2007¾, 2107¾ — Heavy-duty type for doors 1¾ in. minimum.

Same as Nos. 1007 and 2007 except that turn piece will retract the dead bolt but will not project it.

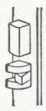
SPECIFY NUMBER, HAND AND FINISH

Residential Entrance Doors





No. 1013
Plain Latch Bolt



No. A1013
No. A2013
Anti-Friction Latch Bolt

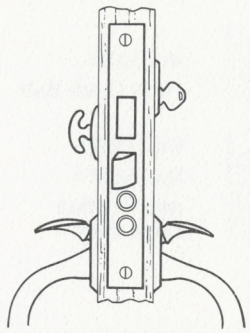
No. 1013

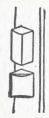
No. 1013, A1013 — Standard type for doors 1⅜ in. minimum.

No. A2013 — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by thumb piece outside and knob inside, except when thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolts by key outside and dead bolt by turn piece inside.

Available with latch hold-back feature. To order, prefix H to number.





No. 1018
Plain Latch Bolt

No. 1018

No. 1018 — Standard type for doors 1⅜ in. minimum.

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolts by key outside and dead bolt by turn piece inside.

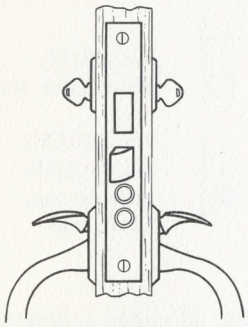
Not available with anti-friction latch bolt.

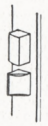
Note: Not available with armored front.

Front: Cast.

Case: 5¼ x 3$^{9}/_{32}$ x ¾ for 2½″ backset.
5¼ x 3$^{17}/_{32}$ x ¾ for 2¾″ backset.

Entrance Doors to Public Buildings





No. 1018½
Plain Latch Bolt

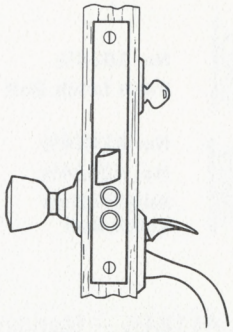
No. 1018½

No. 1018½ — Standard type for doors 1⅜ in. minimum.

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch and dead bolts by key either side.

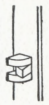
Not available with anti-friction latch bolt.

See NOTE under 1018 for additional information.





No. 1023
Plain Latch Bolt



No. A1023
No. 2023
Anti-Friction Latch Bolt

No. 1023

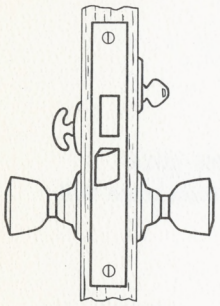
No. 1023, A1023 — Standard type for doors 1⅜ in. minimum.

No. A2023 — Heavy-duty type for doors 1¾ in. minimum.

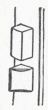
Latch bolt by thumb piece outside and knob inside, except when thumb piece is locked by stop in front. When thumb piece is locked, latch bolt by key outside.

"TEN STRIKE" Mortise Locks

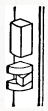
Entrance Doors, Storerooms



No. 1024



No. 1024
Plain Latch Bolt



No. A1024
No. A2024
Anti-Friction
Latch Bolt

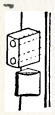
No. 1024, A1024, 1124, A1124 — Standard type for doors 1⅜ in. minimum.

No. A2024, A2124 — Heavy-duty type for doors 1¾ in. minimum.

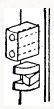
Latch bolt by knob either side. Dead bolt by key outside and turn piece inside.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

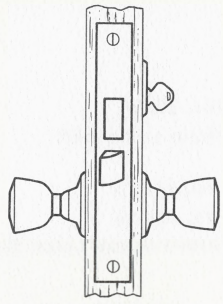


No. 1124
Plain Latch Bolt

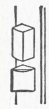


No. A1124
No. A2124
Anti-Friction
Latch Bolt

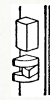
Storerooms, Closets



No. 1024¼



No. 1024¼
Plain Latch Bolt



No. A1024¼
No. A2024¼
Anti-Friction
Latch Bolt

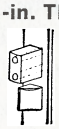
No. 1024¼, A1024¼, 1124¼, A1124¼ — Standard type for doors 1⅜ in. minimum.

No. A2024¼, A2124¼ — Heavy-duty type for doors 1¾ in. minimum.

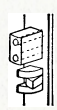
Latch bolt by knob either side. Dead bolt by key one side only.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

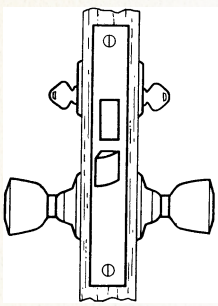


No. 1124¼
Plain Latch Bolt

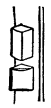


No. A1124¼
No. A2124¼
Anti-Friction
Latch Bolt

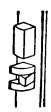
Communicating Doors



No. 1024½



No. 1024½
Plain Latch Bolt



No. A1024½
No. A2024½
Anti-Friction
Latch Bolt

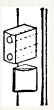
No. 1024½, A1024½, 1124½, A1124½ — Standard type for doors 1⅜ in. minimum.

No. A2024½, A2124½ — Heavy-duty type for doors 1¾ in. minimum.

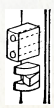
Latch bolt by knob either side. Dead bolt by key either side.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW LATCH BOLT

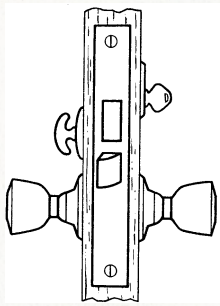


No. 1124½
Plain Latch Bolt

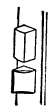


No. A1124½
No. A2124½
Anti-Friction
Latch Bolt

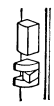
Entrance Doors, Storerooms



No. 1024¾



No. 1024¾
Plain Latch Bolt



No. A1024¾
No. A2024¾
Anti-Friction
Latch Bolt

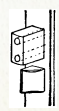
No. 1024¾, A1024¾, 1124¾, A1124¾ — Standard type for doors 1⅜ in. minimum.

No. A2024¾, A2124¾ — Heavy-duty type for doors 1¾ in. minimum.

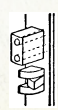
Same as No. 1024 and No. 2024 except that turn piece will retract the dead bolt but will not project it.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT



No. 1124¾
Plain Latch Bolt



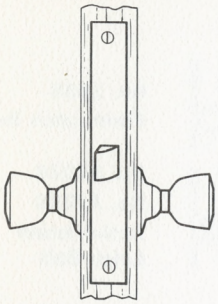
No. A1124¾
No. A2124¾
Anti-Friction
Latch Bolt

SPECIFY NUMBER, HAND AND FINISH

trim shown for illustration purposes only

RUSSWIN

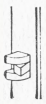
Passage and Closet Doors



No. 1025



No. 1025
Plain Latch Bolt



No. A1025
No. A2025
Anti-Friction Latch Bolt

No. 1025, A1025 — Standard type for doors 1⅜ in. minimum.

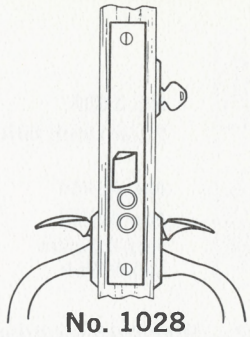
No. A2025 — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob either side.

Also available: No. H2025, same as A2025 except has plain latch bolt and hold back feature.

To hold latch retracted, push in latch bolt with hand. With bolt held fully retracted, turn either knob in any direction and release. To release hold-back, turn either knob.

Entrance Doors to Public Buildings



No. 1028



No. 1028
Plain Latch Bolt

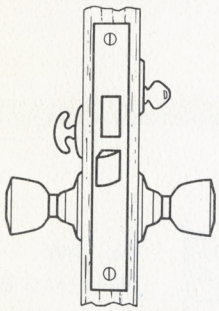
No. 1028 — Standard type for doors 1⅜ in. minimum.

Latch bolt by thumb piece either side, except when outside thumb piece is locked by stop in front. When thumb piece is locked, latch bolt by key outside and thumb piece inside.

Not available with anti-friction latch bolt.

See NOTE under 1018 (page 117) for additional information.

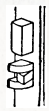
Hotel Corridor Doors



No. 1033HM



No. 1033HM
Plain Latch Bolt



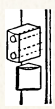
No. A1033HM
No. A2033HM
Anti-Friction
Latch Bolt

No. 1033HM, A1033HM, 1133HM, A1133HM — Standard type for doors 1⅜ in. minimum.

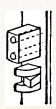
No. A2033HM, A2133HM — Heavy-duty type for doors 1¾ in. minimum.

When door is closed it automatically locks, and latch bolt can be operated only by key outside and by knob inside. Outside knob always rigid; inside knob always free. Latch bolt by key except when dead bolt is thrown by turn piece inside; then by display or emergency keys only outside. When not deadlocked inside, lock is subject to guest, maid's master, grand master, display and emergency keys. Furnished with indicator "B" when so ordered, page 111. Available with hold-back feature, prefix H.

1-in. THROW DEAD BOLT

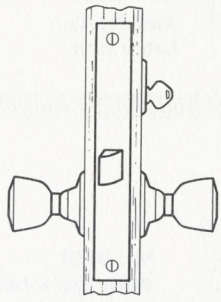


No. 1133HM
Plain Latch Bolt

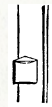


No. A1133HM
No. A2133HM
Anti-Friction
Latch Bolt

Public Toilet Doors



No. 1036



No. 1036
Plain Latch Bolt



No. A1036
No. A2036
Anti-Friction
Latch Bolt

No. 1036, A1036 — Standard type for doors 1⅜ in. minimum.

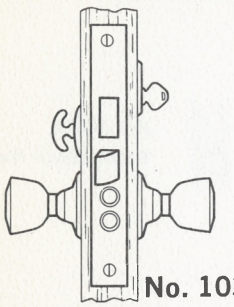
No. A2036 — Heavy duty type for doors 1¾ in. minimum.

Latch bolt by knob inside and by key outside. Outside knob rigid.

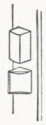
Available with hold-back feature. To order, prefix H to number.

"TEN STRIKE" Mortise Locks

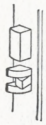
Conference, Dark-Rooms



No. 1037



No. 1037
Plain Latch Bolt



No. A1037
No. A2037
Anti-Friction
Latch Bolt

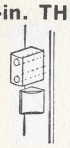
No. 1037, A1037, 1137, A1137 — Standard for doors 1⅜ in. minimum.

No. A2037, A2137 — Heavy-duty type for doors 1¾ in. minimum.

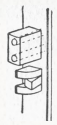
Latch bolt by knob either side except when outside knob is locked by stop in front. By key outside except when turn piece inside is thrown, projecting dead bolt and deadlocking latch bolt making all keys inoperative.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

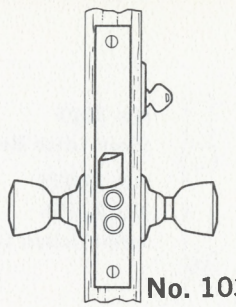


No. 1137
Plain Latch Bolt



No. A1137
No. A2137
Anti-Friction
Latch Bolt

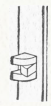
Inner Office Doors



No. 1038



No. 1038
Plain Latch Bolt



No. A1038
No. A2038
Anti-Friction
Latch Bolt

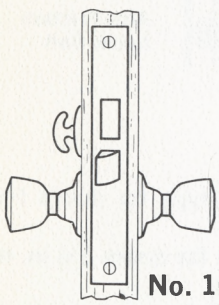
No. 1038, A1038 — Standard type for doors 1⅜ in. minimum.

No. A2038 — Heavy-duty type for doors 1¾ in. minimum.

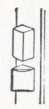
Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times.

Available with hold-back feature. To order, prefix H to number.

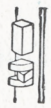
Bathroom Doors



No. 1039



No. 1039
Plain Latch Bolt



No. A1039
No. A2039
Anti-Friction
Latch Bolt

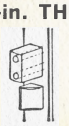
No. 1039, A1039, 1139, A1139 — Standard type for doors 1⅜ in. minimum.

No. A2039, A2139 — Heavy-duty type for doors 1¾ in. minimum.

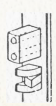
Latch bolt by knob either side. Dead bolt by turn piece inside and emergency key No. 219 outside.

Available with hold-back feature, prefix H.

1-in. THROW DEAD BOLT

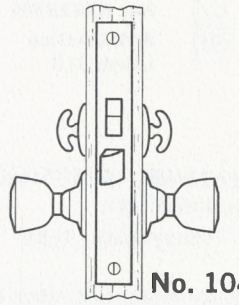


No. 1139
Plain Latch Bolt

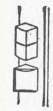


No. A1139
No. A2139
Anti-Friction
Latch Bolt

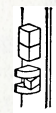
Communicating Doors



No. 1040



No. 1040
Plain Latch Bolt



No. A1040
No. A2040
Anti-Friction
Latch Bolt

No. 1040, A1040 — Standard type for doors 1⅜ in. minimum.

No. A2040 — Heavy-duty type for doors 1¾ in. minimum.

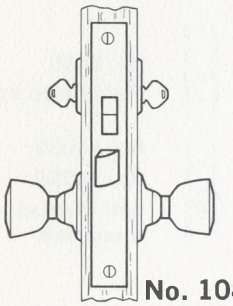
Latch bolt by knob either side. Split dead bolt by turn piece either side.

SPECIFY NUMBER, DESIGN AND FINISH

trim shown for illustration purposes only

RUSSWIN

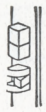
Communicating Doors



No. 1040½



No. 1040½
Plain Latch Bolt



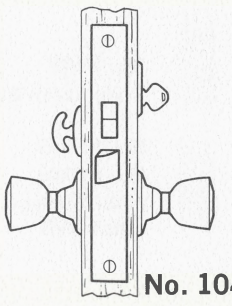
No. A1040½
No. A2040½
Anti-Friction
Latch Bolt

No. 1040½, A1040½ — Standard type for doors 1⅜ in. minimum.

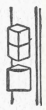
No. A2040½ — Heavy duty type for doors 1¾ in. minimum.

Latch bolt by knob either side. Split dead bolt by key either side.

Communicating Doors



No. 1040⅞



No. 1040⅞
Plain Latch Bolt



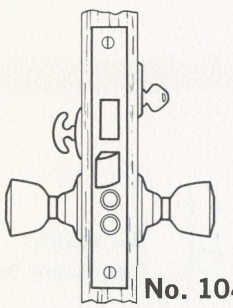
No. A1040⅞
No. A2040⅞
Anti-Friction
Latch Bolt

No. 1040⅞, A1040⅞ — Standard type for doors 1⅜ in. minimum.

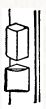
No. A2040⅞ — Heavy duty type for doors 1¾ in. minimum.

Latch bolt by knob either side. Split dead bolt by key outside and turn piece inside.

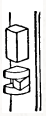
Front and Apartment Doors



No. 1048



No. 1048
Plain Latch Bolt



No. A1048
No. A2048
Anti-Friction
Latch Bolt

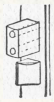
No. 1048, A1048, 1148, A1148 — Standard type for doors 1⅜ in. minimum.

No. A2048, A2148 — Heavy-duty type for doors 1¾ in. minimum.

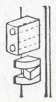
Latch bolt by knob either side except when outside knob is locked by stop in front; then by key outside, knob inside. Dead bolt by key outside and turn piece inside.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

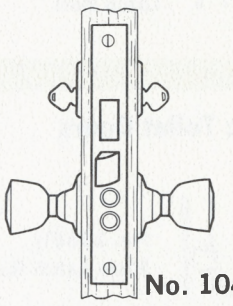


No. 1148
Plain Latch Bolt

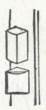


No. A1148
No. A2148
Anti-Friction
Latch Bolt

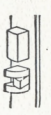
Special Purpose Locks



No. 1048½



No. 1048½
Plain Latch Bolt



No. A1048½
No. A2048½
Anti-Friction
Latch Bolt

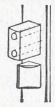
No. 1048½, A1048½, 1148½, A1148½ — Standard type for doors 1⅜ in. minimum.

No. A2048½, A2148½ — Heavy-duty type for doors 1¾ in. minimum.

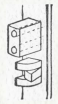
Latch bolt by knob either side except when outside knob is locked by stop in front; then by key outside and knob inside. Dead bolt by key both sides.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT



No. 1148½
Plain Latch Bolt

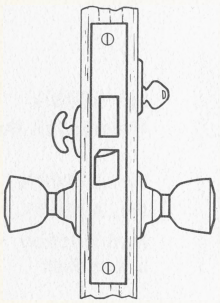


No. A1148½
No. A2148½
Anti-Friction
Latch Bolt

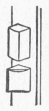
SPECIFY NUMBER, HAND AND FINISH

"TEN STRIKE" Mortise Locks

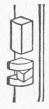
Special Purpose Locks



No. 1049



No. 1049
Plain Latch Bolt



No. A1049
No. A2049
Anti-Friction
Latch Bolt

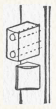
No. 1049, A1049, 1149, A1149 — Standard type for doors 1⅜ in. minimum.

No. A2049, A2149 — Heavy-duty type for doors 1¾ in. minimum.

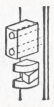
Latch bolt from inside by knob only. Outside knob rigid. Latch bolt and dead bolt by key outside; dead bolt by turn piece inside.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

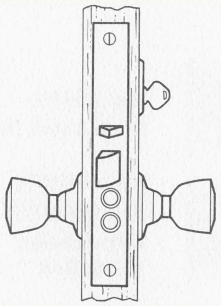


No. 1149
Plain Latch Bolt

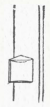


No. A1149
No. A2149
Anti-Friction
Latch Bolt

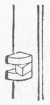
Corridor, Office and Vestibule Doors



No. 1056



No. 1056
Plain Latch Bolt



No. A1056
No. A2056
Anti-Friction
Latch Bolt

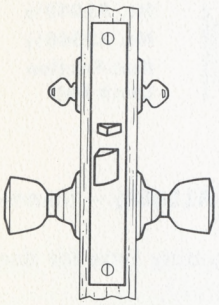
No. 1056, A1056 — Standard type for doors 1⅜ in. minimum.

No. A2056 — Heavy-duty type for doors 1¾ in. minimum.

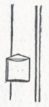
Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times. Auxiliary latch deadlocks latch bolt and stop preventing their manipulation when door is closed.

Available with hold-back feature. To order, prefix H to number.

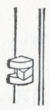
Entrance Doors and Public Toilet Doors



No. 1058½



No. 1058½
Plain Latch Bolt



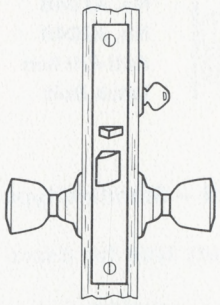
No. A1058½
No. A2058½
Anti-Friction
Latch Bolt

No. 1058½, A1058½ — Standard type for doors 1⅜ in. minimum.

No. A2058½ — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder, then by key outside, knob inside. When so specified, change key will operate inside cylinder. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed. Available with hold-back feature. To order, prefix H to number.

Classroom Doors



No. 1058⅝



No. 1058⅝
Plain Latch Bolt



No. A1058⅝
No. A2058⅝
Anti-Friction
Latch Bolt

No. 1058⅝, A1058⅝ — Standard type for doors 1⅜ in. minimum.

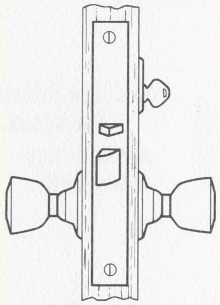
No. A2058⅝ — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob either side except when outside knob is locked by key through cylinder, then by key outside, knob inside. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

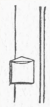
Available with hold-back feature. To order, prefix H to number.

trim shown for illustration purposes only

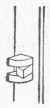
Corridor Closet Doors



No. 1059



No. 1059
Plain Latch Bolt



No. A1059
No. A2059
Anti-Friction
Latch Bolt

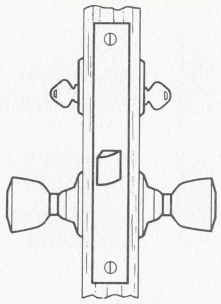
No. 1059, A1059 — Standard type for doors 1⅜ in. minimum.

No. A2059 — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob inside and by key outside. Outside knob rigid at all times. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Available with hold-back feature. To order, prefix H to number.

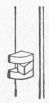
Public Toilet Doors



No. 1068½



No. 1068½
Plain Latch Bolt



No. A1068½
No. A2068½
Anti-Friction
Latch Bolt

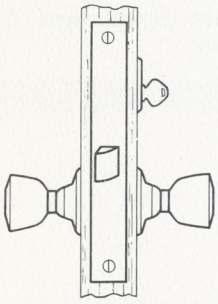
No. 1068½, A1068½ — Standard type for doors 1⅜ in. minimum.

No. A2068½ — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob either side except when outside knob is locked by master key through inside cylinder; then by key outside, knob inside. When so specified, change key will operate inside cylinder.

Available with hold-back feature. To order, prefix H to number.

Classroom Doors



No. 1068⅝



No. 1068⅝
Plain Latch Bolt



No. A1068⅝
No. A2068⅝
Anti-Friction
Latch Bolt

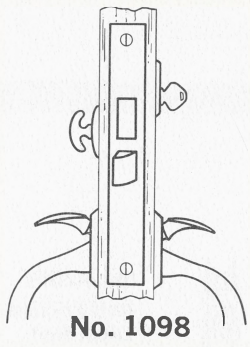
No. 1068⅝, A1068⅝ — Standard type for doors 1⅜ in. minimum.

No. A2068⅝ — Heavy-duty type for doors 1¾ in. minimum.

Latch bolt by knob either side except when outside knob is locked by key through cylinder, then by key outside, knob inside.

Available with hold-back feature. To order, prefix H to number

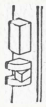
Entrance Doors to Public Buildings



No. 1098



No. 1098
Plain Latch Bolt



No. A1098
No. A2098
Anti-Friction
Latch Bolt

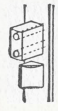
No. 1098, A1098, 1198, A1198 — Standard type for doors 1⅜ in. minimum.

No. A2098, A2198 — Heavy-duty type for doors 1¾ in. minimum.

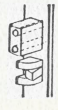
Latch bolt by thumb piece either side. Dead bolt by turn piece inside and key outside.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT



No. 1198
Plain Latch Bolt



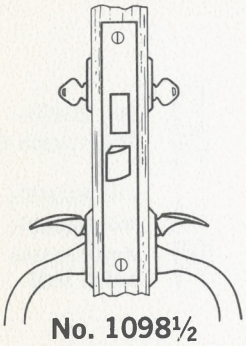
No. A1198
No. A2198
Anti-Friction
Latch Bolt

SPECIFY NUMBER, HAND AND FINISH

"TEN STRIKE" Mortise Locks

trim shown for illustration purposes only

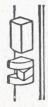
Entrance Doors to Public Buildings



No. 1098½



No. 1098½
Plain Latch Bolt



No. A1098½
No. A2098½
Anti-Friction
Latch Bolt

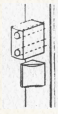
No. 1098½, A1098½, 1198½, A1198½ — Standard type for doors 1⅜ in. minimum.

No. A2098½, A2198½ — Heavy-duty type for doors 1¾ in. minimum.

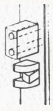
Latch bolt by thumb piece either side. Dead bolt by key either side.

Available with latch hold-back feature. To order, prefix H to number.

1-in. THROW DEAD BOLT

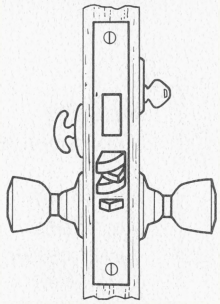


No. 1198½
Plain Latch Bolt

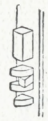


No. A1198½
No. A2198½
Anti-Friction
Latch Bolt

Hotel Corridor Doors



No. A2034¾HM
Type of No. A2034HM



No. A2034¾HM
A2034HM
Anti-Friction
Latch Bolt

Heavy-duty type for doors 1¾ in. minimum.

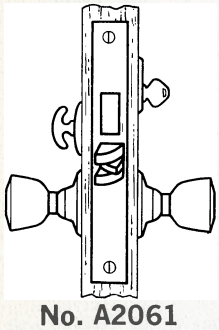
Not reversible (specify hand)

No. A2034¾HM — Latch bolt by knob from inside and guest, master, grand master and emergency key from outside. Outside knob always rigid. Dead bolt by thumb piece from inside and emergency key from outside. A turn of inside knob retracts both latch bolt and dead bolt simultaneously. Auxiliary latch deadlocks latch bolt when door is closed.

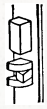
When so ordered, can be furnished with display key which is operative at all times and which shuts out all keys except emergency key. Display key operates its own lock only. Furnished with indicator B when so ordered, page 111.

No. A2034HM — Same as above except turn of inside knob retracts latch bolt only.

Dormitory Doors



No. A2061



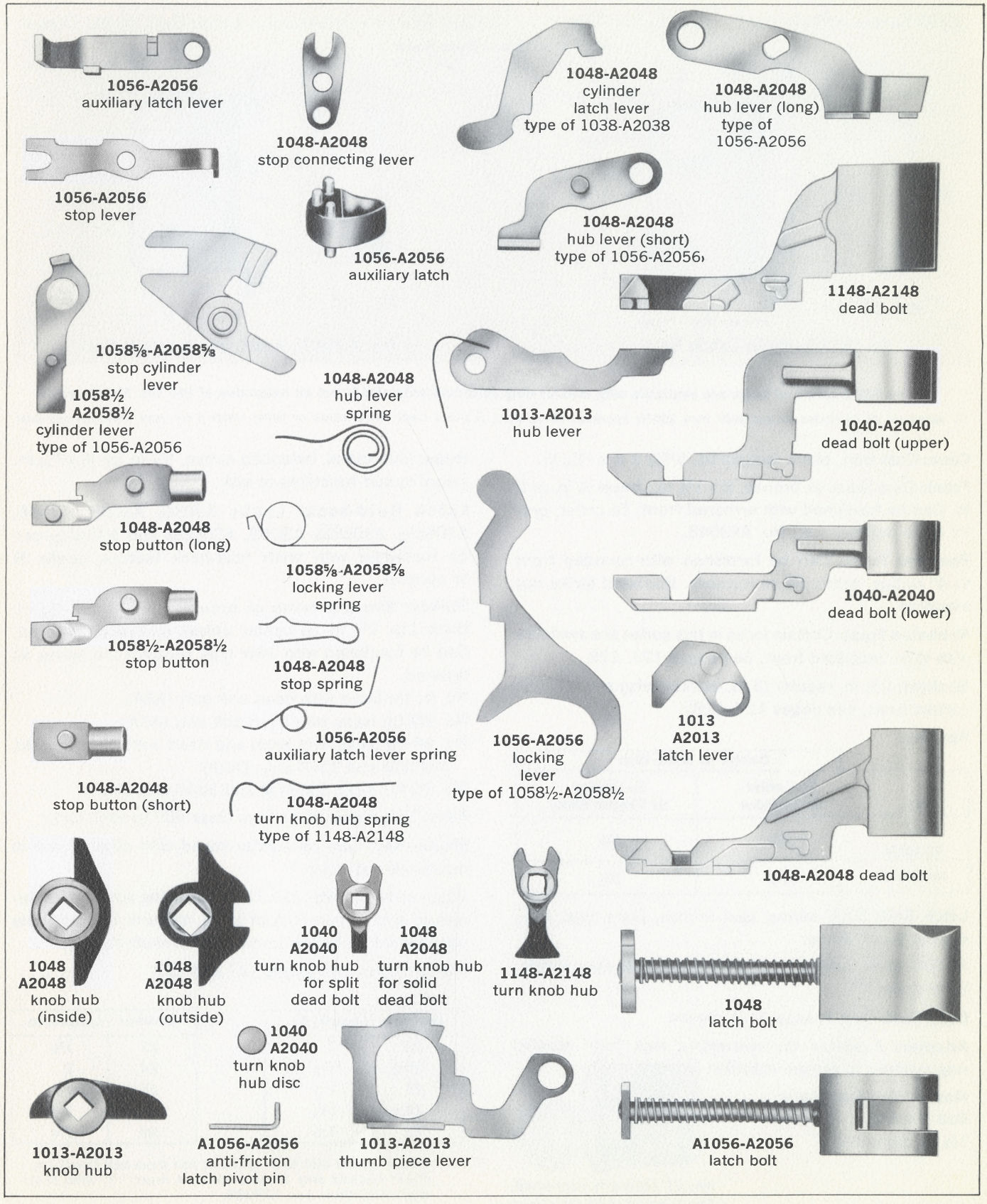
No. A2061
Anti-Friction
Latch Bolt

Heavy duty type for doors 1¾ in. minimum.

Latch bolt operated by knob from either side except that outside knob is locked when dead bolt is projected. Dead bolt operated by key from outside and turn piece inside. When dead bolt is projected, a turn of inside knob will retract latch bolt and dead bolt simultaneously, which automatically unlocks outside knob. When dead bolt is projected, latch bolt is deadlocked.

SPECIFY NUMBER, HAND AND FINISH

RUSSWIN



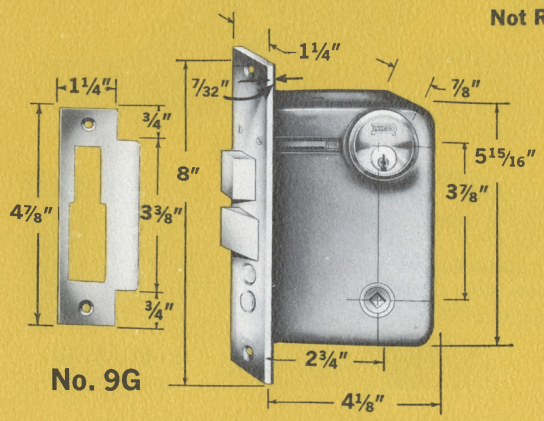
SPECIFY NUMBER, HAND AND FINISH

3000 SERIES Mortise Locks

Master Ring Cylinder — Heavy Duty

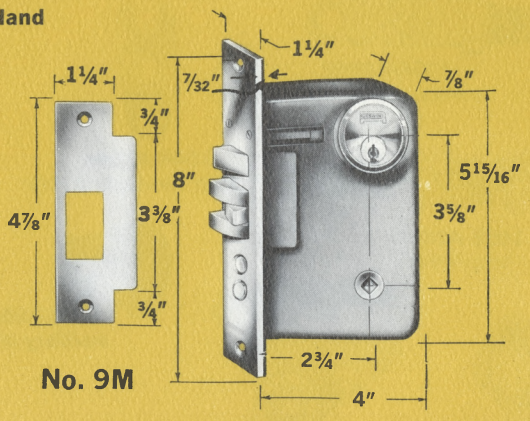
3000 Series • Plain Latch Bolt, 9/16 in. Throw **A3000 Series • Antifriction Latch Bolt, 5/8 in. Throw**

Not Reversible — State Hand



No. 9G

No. 3048, Plain Latch Bolt



No. 9M

No. A3056, Antifriction Latch Bolt

The 3000 series of locks are available with master-ring cylinders only and is not an extension of the Ten Strike series.

UL approval: All functions except 3007 thru 3007¾ approved for A, B, C, D and E class doors, single or pairs. Letter K on front indicates approval.

Case: Cast iron, black lacquered, 5 15/16 x 4 x 13/16 in.

Front: Cast brass or bronze, 8 x 1¼ in.; bevel ⅛ in. in 2 in. Can be furnished with armored front. To order, prefix AF to number, i.e., No. AF3048.

Rounded Front: Can be furnished with rounded front to 4" radius, prefix **RF** to number. Rounded strike not available.

Rabbeted Front: Certain locks in this series are available with ½ in. rabbeted front. See pages 127, 128.

Backset: 2¾ in. regular (3 in. backset also available on certain locks, see pages 127, 128).

Spacing:

No.	Center Of Knob Hub	
	To Center Of Cylinder	To Center Of Thumb Knob
3048 3033EM	3⅞	3⅝
All Others	3⅝	3⅜

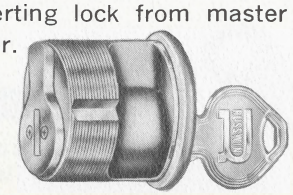
Latch Bolt: 3000 series, cast bronze, plain type, easy spring, 9/16 in. throw.

A3000 series, cast bronze, antifriction type, easy spring, ⅝ in. throw.**

Dead Bolt: Cast bronze, ½ in. throw.

Adapter: Available for converting lock from master ring cylinder to regular cylinder.

Master Ring Cylinders:
Ball bearing
1½ in. diameter



No. 21 regularly furnished. See table at right for others available.

Hubs: Gun metal, balanced action, 5/16 in. or ⅜ x 5/16 in. swivel to suit functions of lock.

Latch Hold-back: Locks A3036, A3038, A3056, A3058½, A3058⅝, A3059, A3068½ and A3068⅝ can be furnished with latch hold-back feature, prefix **H** to number.

Strikes: Wrought brass or bronze, 4⅞ x 1¼ x 3/32 in. thick. Lip, 1⅛ in. to center unless otherwise ordered. Can be furnished with 16W type wrought box when so ordered.
No. 9J for locks with dead bolt only (ASA)
No. 9M for locks with latch bolt only (ASA)
No. 9P for locks with latch and dead bolts except locks 3033EM and 3048 only. (ASA)
No. 9G for locks 3033EM and 3048 only (ASA)

Keys: Two nickel-silver keys class 6D1 to each lock.

Master-Key: Can be master-keyed with other Russwin master-keyed locks.

When ordered TMS, ½ x 12-24 machine screws are furnished and dimensions of locks conform to standards established for hollow metal door manufacturers.

For functions, see pages 127 and 128.

Number	Length, in.
20	1
20½	1⅛
21	1¼
21½	1⅜
22	1½

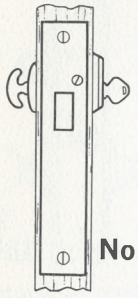
Number	Length, in.
23	1¾
24	2
25	2¼
26	2½
29	2¾

**Also available with ¾ in. throw in non dead-bolt functions, 2¾ in. backset only. When so desired, insert "3" after first digit of number, i.e., A33038.

trim shown for illustration purposes only

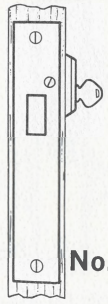
RUSSWIN

Closet and Storeroom Doors



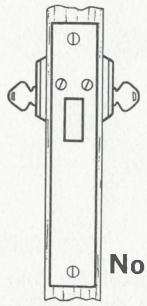
No. 3007*

Dead bolt by key outside and turn piece inside.



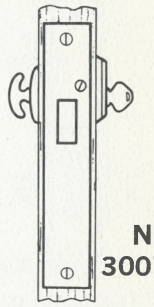
No. 3007¼*

Dead bolt by key outside only. No inside operation.



No. 3007½*

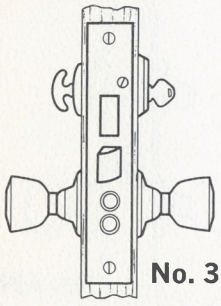
Dead bolt by key either side.



No. 3007¾*

Same as No. 3007 except that turn piece will retract dead bolt but will not project it.

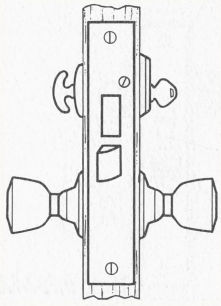
Entrance Doors



No. 3048

Latch bolt by knob either side except when outside knob is locked by stop in front; then by key outside, knob inside. Dead bolt by key outside and turn piece inside.

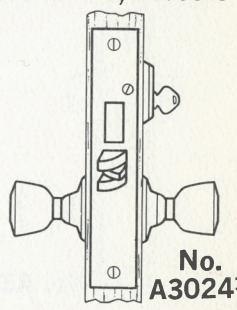
Hotel Guest Room Doors



No. 3033EM

When door is closed it automatically locks and latch bolt can be operated only by key outside and by knob inside. Outside knob always rigid; inside knob always free. Latch bolt by key except when dead bolt is thrown by turn piece inside; then by display or emergency key only outside. When not deadlocked inside, lock is subject to guest, maid's master, grand master, display and emergency keys. Furnished with indicator "C" when so ordered, which indicates when room is occupied. (Indicator is similar to type B shown on page 111)

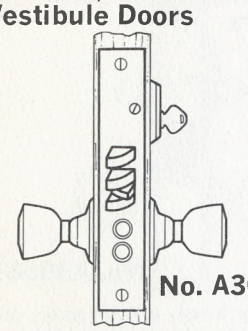
Storerooms, Closets



No. A3024¼

Latch bolt by knob either side. Dead bolt by key one side only.

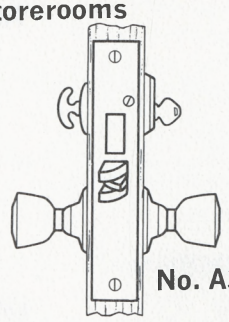
Corridor, Office and Vestibule Doors



No. A3056*†

Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times. Deadlocking latch.

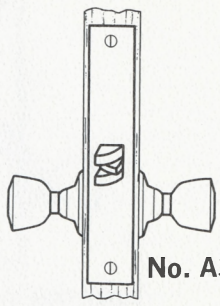
Entrance Doors, Storerooms



No. A3024

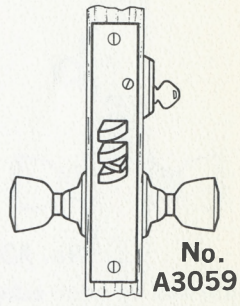
Latch bolt by knob either side. Dead bolt by key outside and turn piece inside.

Passage and Closet Doors



No. A3025*

Latch bolt by knob either side.



No. A3059*†

Latch bolt from inside by knob and outside by key. Outside knob rigid. Deadlocking latch.

*Can be furnished with ½ in. rabbeted front, 8 x 1¼ in.; plain latch bolt, backset 2¾ in. short side. To order, prefix R to number, i.e., No. RA3038, etc.

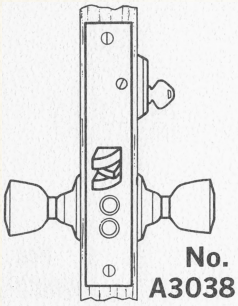
†Can be furnished with 3 in. backset when so ordered.

3000 SERIES Mortise Locks

RUSSWIN Reg. U.S. Pat. Off. Marca Registrada

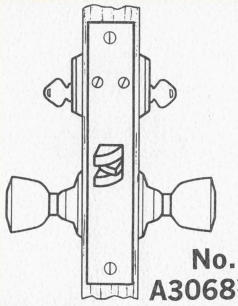
trim shown for illustration purposes only

Office Doors



No. A3038*†

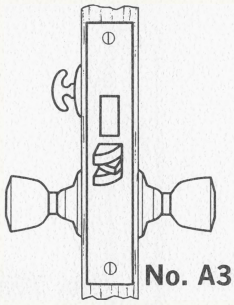
Latch bolt by knob either side except when outside knob is locked by stop in front; by key outside at all times.



No. A3068½*†

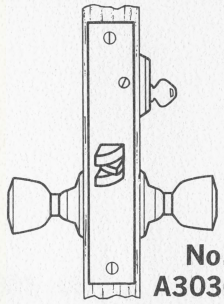
Latch bolt by key from outside or knobs either side, except when outside knob is locked by master key through inside cylinder. When so specified, change key will operate inside cylinder.

Bathroom Doors



No. A3039

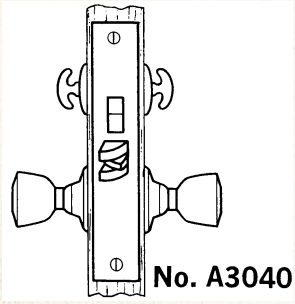
Latch bolt by knob either side. Dead bolt by turn piece inside and emergency key No. 219 outside.



No. A3036*†

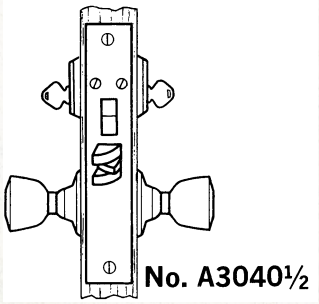
Latch bolt by knob inside and by key outside. Outside knob rigid.

Communicating Doors



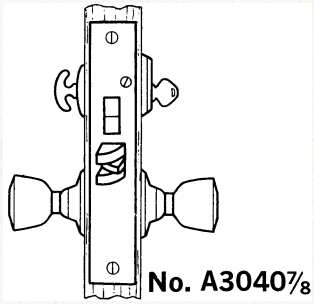
No. A3040

Latch bolt by knob either side. Split dead bolt by turn piece opposite sides.



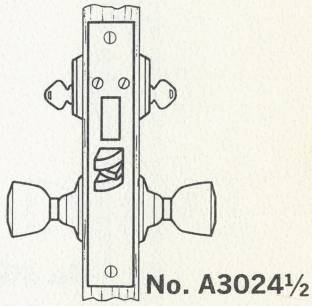
No. A3040½

Latch bolt by knob either side. Split dead bolt by key opposite sides.



No. A3040⅞

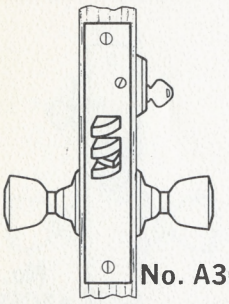
Latch bolt by knob either side. Split dead bolt by key from one side and thumb piece from the other, each locking against the opposite side.



No. A3024½

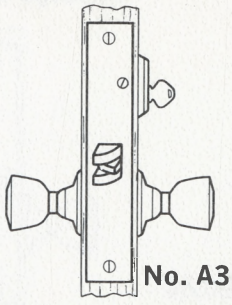
Latch bolt by knob either side. Dead bolt by key either side.

Classroom Doors



No. A3058⅝*†

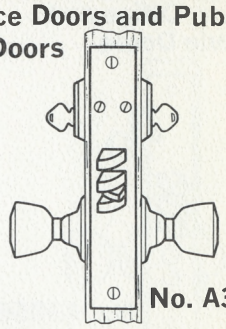
Latch bolt by knob either side, except when outside knob is locked by key through cylinder, then by key outside, knob inside. Deadlocking latch.



No. A3068⅝*†

Latch bolt by knob either side, except when outside knob is locked by key through cylinder, then by key outside, knob inside.

Entrance Doors and Public Toilet Doors



No. A3058½*†

Latch bolt by knob either side, except when outside knob is locked by master key through inside cylinder; then by key outside, knob inside. When so specified, change key will operate inside cylinder. Deadlocking latch.

*Can be furnished with ½ in. rabbeted front, 8 x 1¼ in.; plain latch bolt, backset 2¾ in. short side. To order, prefix R to number, i.e., No. RA3038, etc.

†Can be furnished with 3 in. backset when so ordered.

SPECIFY NUMBER, HAND AND FINISH

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

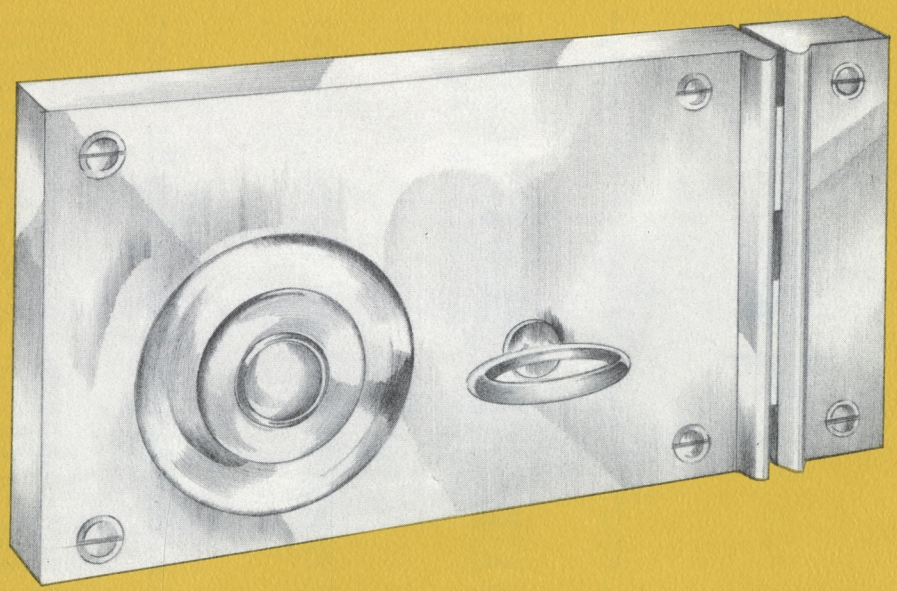


Georgia Power Co. Electric Bldg.
Atlanta, Ga.

8 MISCELLANEOUS LOCKS - CYLINDERS, KEYS, ETC.

RUSSWIN®

MISCELLANEOUS and AUXILIARY LOCKS — CYLINDERS, KEYS, STRIKES



Miscellaneous and Auxiliary Locks Cylinders, Keys, Strikes

Alphabetical Index

Description	Page
Construction Master Key	172
Cylinders	169-175
Definitions and Terms	135, 136
Electric Door Openers	182
Flexible Head Cylinders	172
Hand and Bevel of Doors	134
Indicators for Hotel Locks	135
Inter-Keying Locks	179
Keying Systems	169
Keys	168, 176-179
Latches	
Mortise	145, 146, 152, 153
Rim Night	157
Operation of Keys	168
Locks	
Bit Key	149, 154
Construction	137
Cupboard	155
Dead	147, 148, 154
Distinctive Rim	158-160
Drawer	155
Fire Exit Bolt	140, 141
French Door	144
Locks, cont.	
Hotel	139
Padlocks	155
Rim	157
Rim, Distinctive	158-160
Sliding Door	143, 154
Sound-Deadening	166, 167
Three-point	162-164
Top or Bottom Channel	144
Triplelox	161
Two-point	165
Utility	156
Strikes	180, 181
Visual Key Control	172, 178

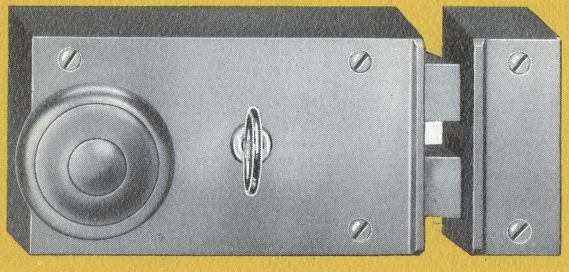
Numerical Index

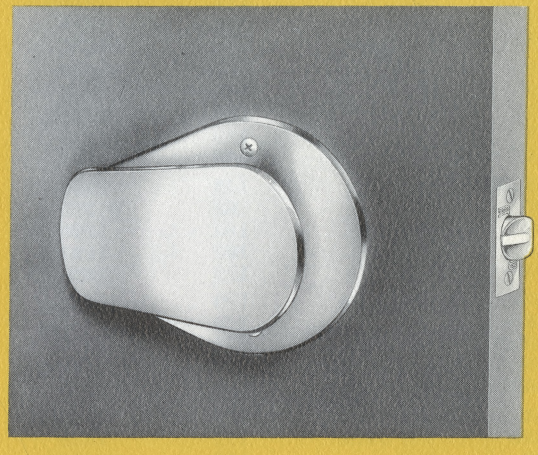
Number	Description	Page
A	Cyl. Collar	169
A	Key Kit	168
B	Cyl. Collar	169
B	Indicator	135
B	Key Kit	168
D	Cyl. Collar	169
D	Keyway	176
F	Cyl. Ring	169
G	Cyl. Collar	169
H	Cyl. Collar	169
H	Keyway	176
J	Cyl. Ring	169
K	Cyl. Ring	169
L	Cyl. Collar	169
M	Cyl. Collar	169
M	Key Bow	176, 177
P	Cyl. Collar	169
P	Key Bow	176, 177
R	Key Bow	176, 177
S	Cyl. Collar	169
S	Key Bow	176, 177
T	Cyl. Collar	169
0	Cylinder	171
0EM	Cylinder	173
0-L	Cylinder	173
0-T	Cylinder	171
0½	Cylinder	171
0½EM	Cylinder	173
0½-L	Cylinder	173
0½-T	Cylinder	171
1	Cam	171, 175
1	Cylinder	171
1	Pusher	182
1EM	Cylinder	173
1-L	Cylinder	173
1-T	Cylinder	171
1½	Cylinder	171
1½-L	Cylinder	173
1½-T	Cylinder	171
CT-2	Tool	175
2	Cylinder	171
2EM	Cylinder	173
2-L	Cylinder	173
2-T	Cylinder	171
3	Cylinder	171
3	Strike	181
3-L	Cylinder	173
3-T	Cylinder	171
4	Cylinder	171
4	Strike	181
4B	Strike	181
4D	Strike	181
4-L	Cylinder	173
4-T	Cylinder	171
CT-5	Tool	175
5	Cylinder	171
5	Spring	183
5	Strike	181
5A	Strike	181
5-L	Cylinder	173
5-T	Cylinder	171
CT-6	Tool	175
6	Cylinder	171
6	Spring	183
6	Strike	181
6A	Strike	181
6-L	Cylinder	173
6-T	Cylinder	171
CT-7	Tool	175
7	Spring	183
CT-8	Tool	175
9A	Strike	180
9B	Strike	180
9C	Strike	180
9E	Strike	180
9F	Strike	180
9FE	Strike	180
9G	Strike	180
9H	Strike	180
9J	Strike	180
9L	Strike	180
9M	Strike	180
9N	Strike	140
9P	Strike	180
9-T	Cylinder	171
H10	Latch	151
10B	Strike	181
11	Cam	171, 175
13	Cylinder	171
14	Cylinder	171
15	Strike	180
16W	Box	181
18	Strike	180
19	Cylinder	173
20	Cylinder	171
20½	Cylinder	171
21	Cylinder	171
21½	Cylinder	171
22	Cylinder	171
23	Cylinder	171
023	Latch	152
24	Cylinder	171
CT-24	Tool	175
G024	Latch	153
G024½	Latch	153
25	Cylinder	171
025	Latch	152
26	Cylinder	171
028	Align. Tool	136
29	Cylinder	171
31	Cylinder	171
31½	Cylinder	171
32	Cylinder	171
33	Cylinder	171
34	Cylinder	171
039	Latch	152
41	Cylinder	171
42	Cylinder	171
43	Cylinder	171
44	Cylinder	171
CT-52	Tool	175
54¼	Key	179
54¼B	Key Blank	179
100	Cylinder	171
100½	Cylinder	171
101	Cylinder	171
102	Cylinder	171
110	Cylinder	171
110½	Cylinder	171
111	Cylinder	171
111½	Cylinder	171
111½HM	Cylinder	173
112	Cylinder	171
113	Cylinder	171

Numerical Index (continued)

Number	Description	Page
114	Cylinder	171
115	Cylinder	171
115	Latch	151
116	Cylinder	171
119	Cylinder	173
121	Latch	153
121F01	Cam	172
219	Key	179
229	Lock	149
252	Keyway	177
268	Lock	159
0280	Latch	153
0371C	Lock	155
0375	Lock	149
0375¾	Lock	149
0375¾M	Lock	149
530	Opener	182
533	Opener	182
534	Opener	182
557	Key	179
557B	Key Blank	179
558¾	Key	179
558¾B	Key Blank	179
559	Key	179
559B	Key Blank	179
563	Key	179
563B	Key Blank	179
568	Lock	159
633	Opener	182
663	Key	179
663G	Key	179
0686	Lock	155
688	Key	179
688G	Key	179
752	Keyway	177
0756	Key	179
0756	Lock	154
0756B	Key Blank	179
0786	Lock	154
AR848	Cylinder	173
ARH848	Cylinder	173
852	Keyway	177
861UB	Key Blank	178
870B	Key Blank	179
961	Keyway	176
962	Keyway	176
963	Keyway	176
967¼	Indicator	135
968	Indicator	135
981	Keyway	176
982	Keyway	176
983	Keyway	176
1060	Lock	161
1060½	Lock	161
1060⅝	Lock	161
1113	Cylinder	171
1114	Cylinder	171
1119Spec	Rose	166, 167
1148	Turn Piece attach.	173
1149¾	Turn Piece attach.	173
1190	Cylinder	171
1202½	Lock	147
1202¾	Lock	147
01203	Lock	147
01203¼	Lock	147
01203½	Lock	147
01203¾	Lock	147
1204	Lock	147
1204¼	Lock	147
1204½	Lock	147
1204¾	Lock	147
01206	Lock	148
01206¼	Lock	148
01206½	Lock	148
01206¾	Lock	148
1207	Lock	146
1207¼	Lock	146
1207½	Lock	146
1207¾	Lock	146
1210	Lock	148
1210¼	Lock	148
1210½	Lock	148
1210¾	Lock	148
1238	Lock	138
F1238	Lock	144
F1247	Lock	144
1248	Turn piece attach.	171
1248½	Pusher	182
F1277	Lock	144
1282	Lock	157
1290	Cylinder	171
R1290	Cylinder Ring	169
1297	Latch	145
1297½	Latch	145
1299	Latch	157
1334	Lock	143
1334½	Lock	143
1348	Turn Piece attach.	173
1348¾	Turn Piece attach.	173
1349	Turn Piece attach.	173
1349¾	Turn Piece attach.	173
1429	Latch	145
H1453½	Lock	146
1454	Latch	145
H1454	Latch	146
1454½	Latch	145
H1454½	Latch	146
1507	Lock	146
1507¼	Lock	146
1507½	Lock	146
1507¾	Lock	146
1510	Lock	148
1510¼	Lock	148
1510½	Lock	148
1510¾	Lock	148
1722	Lock	156
L2024	Lock	150
L2024¼	Lock	150
L2024½	Lock	150
L2024¾	Lock	150
HL2025	Latch	150
2128	Lever	163
2155	Knob	166
2266	Lock	157
2266-12	Lock	157
2282	Lock	157
2290	Cylinder	171
02291R	Lock	154
2299	Lock	157
G2310	Lock	148
2371	Lock	155
A2658	Lock	140
A2658½	Lock	140
A2659	Lock	140
A2659½	Lock	140
2686	Lock	155
2702	Plate	156
2863	Padlock	155
2863A	Padlock	155
2882	Padlock	155
2882A	Padlock	155
2882AH	Padlock	155
2883	Padlock	155
2883A	Padlock	155
2883AH	Padlock	155
2885A	Padlock	155
G2910	Lock	148
2952½	Lock	142
H2952½	Lock	142
H2952⅝	Lock	142
3000	Lock	167
3001	Lock	167
3002	Lock	167
3003	Lock	167
3021	Lock	166
3022	Lock	166
3023	Lock	166
4000	Lock	163
4001	Lock	163
4002	Lock	165
4003	Lock	164
S4255	Lock	144
S4292	Turnpiece	144
4515	Lock	159
4516	Lock	159
4548	Lock	143
5290	Cylinder	173
5320	Opener	182
6290	Cylinder	173
S8918	Turnbuckle	166
S8918¼	Turnbuckle	166
S8918½	Turnbuckle	166
S9378	Lever	166, 167
9395	Lock	142
S9438	Lock	167
S9438¼	Lock	167
S9438½	Lock	167
9453	Lock	141
9453½	Lock	141
9455	Lock	141
9455½	Lock	141
9458	Lock	141
9458½	Lock	141
9459	Lock	141
9459½	Lock	141
11100	Cylinder	171
11100½	Cylinder	171
11101	Cylinder	171
11102	Cylinder	171
11213	Lock	142
11233HM	Lock	139
11243HM	Lock	139
11248	Lock	138
11248½	Lock	138
11748	Lock	139
S13789	Key	178
S13790	Key	178
S13791	Key	178
S13792	Key	178
13850	Lock	143
13850½	Lock	143
51141	Cylinder	173
51142	Cylinder	173
51181	Cylinder	173
51182	Cylinder	173
51381	Cylinder	173
51382	Cylinder	173
61001	Cylinder	172
61002	Cylinder	172
MR61003	Cylinder	172
61121	Cylinder	173
61122	Cylinder	173
61141	Cylinder	173
61142	Cylinder	173
61181	Cylinder	172
61182	Cylinder	172
MR61183	Cylinder	172
61381	Cylinder	173
61382	Cylinder	173
71141	Cylinder	172
71142	Cylinder	172
MR71143	Cylinder	172
71381	Cylinder	172
71382	Cylinder	172
MR71383	Cylinder	172

Miscellaneous and Auxiliary Locks





Distinctive Rim Locks to Enhance Today's Doorware in Cast Brass or Bronze, Cast Iron

Designed, proportioned and scaled to fulfill the need for brass rim locks in residential, commercial and public buildings, whether they are centuries old or brand new. These rim locks project a feeling of security coupled with a look of elegance, while maintaining all of the traditional outward appearance required by period design.

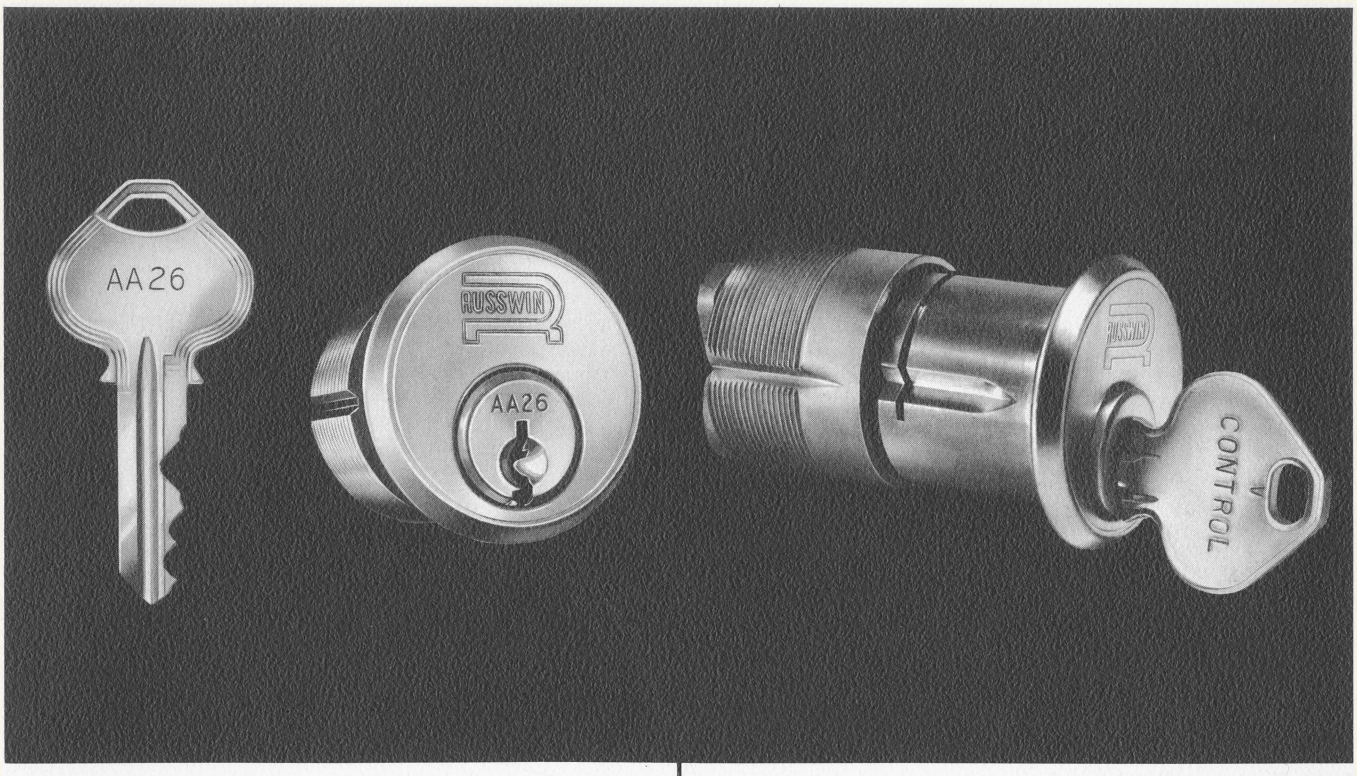
See Pages 158-160

Push-Pull Latch No. H-10 for Hospital Doors

Designed by Russwin engineers to solve a specific, recurring problem in hospitals — namely, a positive latch unit that can be operated quickly and easily by both hospital personnel and patients, alike. Extremely accessible, H-10 can be operated by finger-tip, hand, wrist, forearm, or elbow — right or left. To enter room — Push; To Leave — Pull!

- Offers positive latching for fire safety.
- Patient room door can never be locked against exit.
- Modern design and handsome finish.
- Safe — meets all fire and hospital regulations.
- Durable construction — made of heavy-duty, precision-fitted parts.
- Quick installation — jig available for mounting.

See Page 151



Visual Key Control Makes Key Identification Easy...Prevents Mix-Ups...Assures Permanent Key Control

The new Russwin system of providing a visual means of identifying the correct key with its correct cylinder or lock. By stamping the control symbols right on the cylinder plugs and keys, key mix-ups during installation, or afterwards are less likely to happen — and easy to straighten out if they do. And, lost keys are easy to replace; coding on the cylinder plug tells you instantly how the cylinder is set up thereby eliminating the trial and error method of trying key after key in a cylinder to find the right one. System can also be furnished to have code number stamped on the key, and not the cylinder thus providing tighter security where needed.

See Pages 172-178

Key-Removable Cylinder Now Offers Quick, Economical Full Security

This advance Russwin engineering simplifies cylinder replacements without tell-tale "piggy-back keyways". When lock cylinder replacements are desirable, the entire Russwin cylinder can be easily removed in seconds and a new — or recombinated — cylinder quickly inserted. Unlike cylinders with removable cores, the entire cylinder is replaced. No odd-shaped keyway configurations, Key-Removable Cylinder looks exactly like conventional Russwin cylinders. By simply inserting a Control Key into the keyway and turning it slightly, the cylinder can be completely withdrawn in seconds, while installing the replacement cylinders is done just as quickly. A very efficient and effective security control device for dormitories, apartments, office buildings, hotels and similar applications.

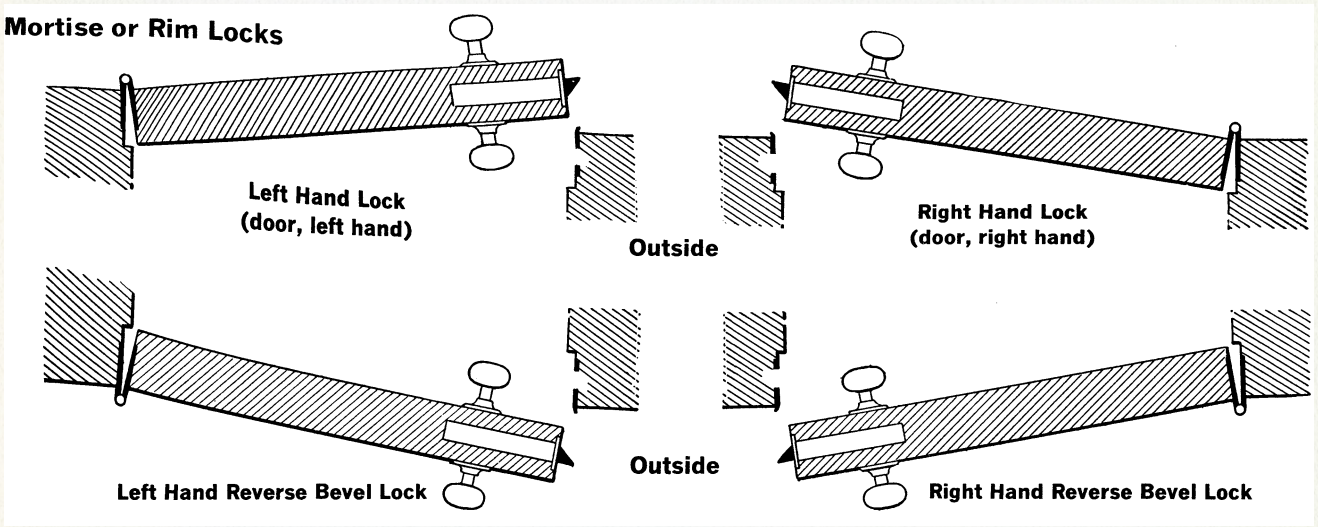
See Page 172

Miscellaneous and Auxiliary Locks

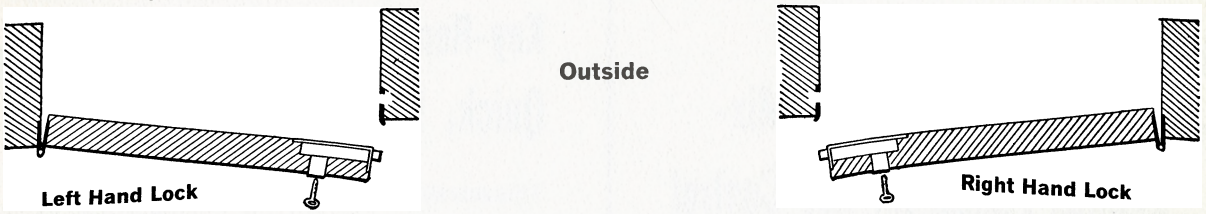
Hand and Bevel of Doors

Handing of Doors and Windows

Always Take Handings From Outside

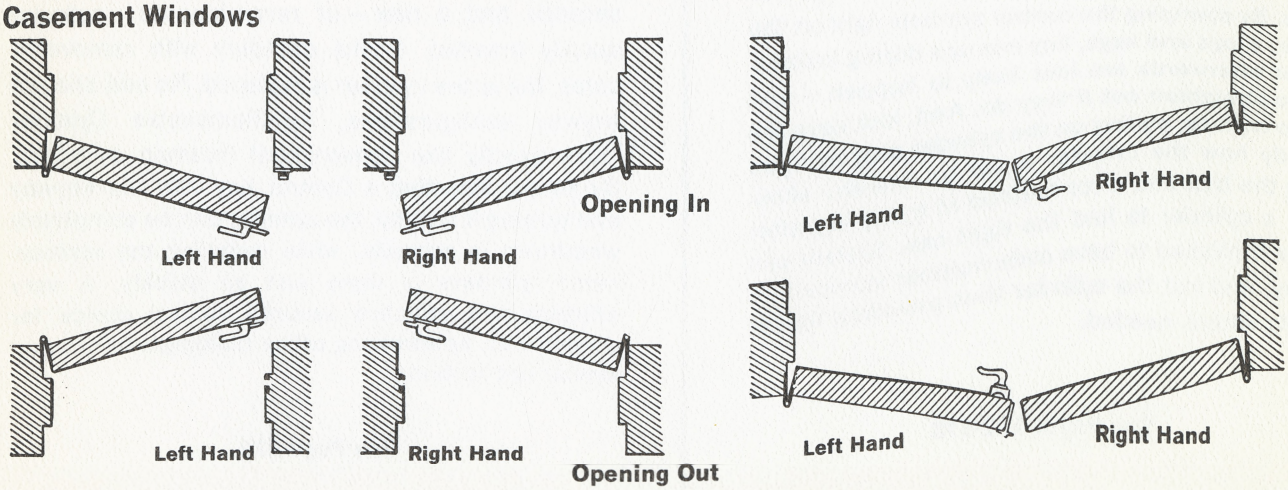


Book Case or Cupboard



Book case and cupboard doors always open out, and the locks are regularly made with reverse bevel latch bolt. It is not necessary to specify reverse bevel.

Casement Windows



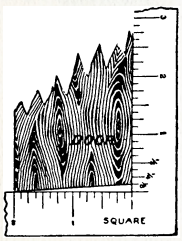
As casement windows are handed from inside, it is necessary to state whether they open in or out.

Hand and Bevel of Doors

Rules

1. The hand of a door is always determined from the outside with the following exception: for French doors and casement windows on which cremone bolts or casement fasteners are applied, the hand is taken from the inside.
2. The outside of an exterior door is the street or entrance side.
3. The outside of an auditorium door is the corridor or hall side.
4. The outside of a room door is the corridor or hall side.
5. The outside of a closet door is the room, corridor or hall side.
6. The outside of a single communicating door is the side from which the butts are invisible when the door is closed.
7. The outside of twin communicating doors is the space between the two doors.

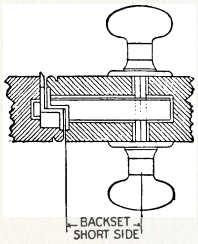
Bevel Of Door



A door is beveled when its edge is not at a right angle with the flat surface of the stile. The lock stile edge of a door may be furnished with a beveled edge, in order to allow the door to fit more closely. The lock must have a beveled front to conform to the bevel of the door. The bevel is determined by placing a square on the edge of the door and the difference in the measurement between the outside edge and the inside edge determines the bevel; the standard bevel is ⅛ inch on 2 inches.

Beveled fronts on locks are made special and the hand must always be given, as beveled front locks are not reversible.

Rabbeted Front Locks



Mortise locks applied on doors having rabbeted edges require lock fronts corresponding to the door rabbet. A rabbeted door should have a standard rabbet of one-half inch.

In this catalog both the short and long side measurements are given.

When ordering special backset locks, the number of the lock and both backsets wanted should be specified. (When only one backset is mentioned, it will be interpreted as meaning the distance on the short side and the depth of rabbet furnished will be the standard ½ inch.)

Rabbeted front locks generally are not reversible and the hand of door should be specified, see page 134.

Reversible Latch Bolts

Mortise locks and latches usually are manufactured with reversible latch bolts which can be reversed by removing lock cover and reversing the latch bolt. Latch bolt of the anti-friction type is not reversible except in "Ten Strike" line of locks. Reversing the latch bolt permits the use of the same lock on either right or left hand doors. If locks are equipped with stops in lock front, it is also necessary to reverse the mechanism affected by the stops. The same strike is used with mortise locks and latches with regular or reverse bevel latch bolts.

Indicators (To Indicate Room Occupancy)

Indicators are not included in the price of locks.



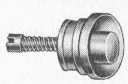
Size 3 x 1⅞ inches.

Penn design combined cylinder collar and indicator plate is used in conjunction with hotel locks. When door is locked from inside, button cannot be depressed, thus indicating occupancy of room.

Also available: No. 968 for use with flexible head cylinders only.

No. 967¼ Penn
Type of 968

For use with hotel locks 11233HM and 11243HM, page 139.



Type B

When locks are supplied with this indicating device, the outside escutcheon has a "Push Button" attachment.

When the door is locked from the inside by the key, the "Push Button" cannot be depressed, thus indicating that the room is occupied.

Miscellaneous and Auxiliary Locks

Definitions and Terms Applying to RUSSWIN Locks

Latches

(A) Anti-friction Latch — A small additional latch connected with the regular latch bolt in high grade cylinder locks, which engages the strike and retracts the regular latch.

It prevents friction between latch and strike, strain on the lock, and permits the door to close more easily.

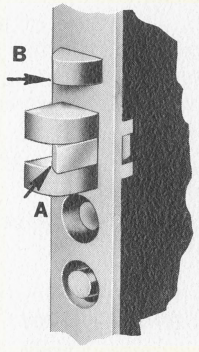
Recommended for doors on which door closers are used.

(B) Auxiliary or Guard Latch — A supplemental latch used for deadlocking locks which do not have dead bolts.

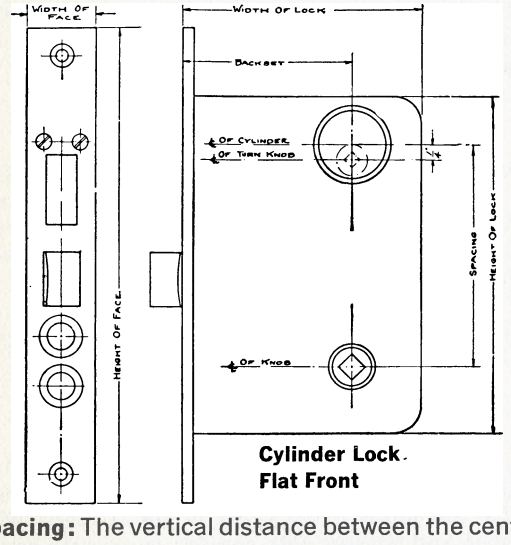
An auxiliary latch does not engage in, but rides on, the surface of the strike. This holds the auxiliary latch depressed, and when the outside knob has been locked, the regular latch bolt cannot be retracted by any means other than the key from outside and knob inside. It also prevents any manipulation of stop in lock front when door is closed.

Russwin auxiliary latches are of the improved swinging type, permitting the easy closing of door.

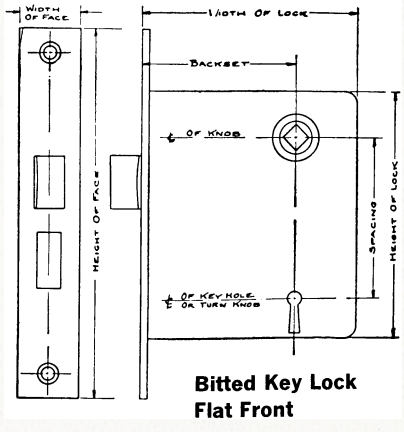
Swinging or hinged latch — In this type of construction the latch is hinged at the inner face of the lock front and swings into the lock case on contact with the strike, affording the easiest action with the least friction.



Backset, Spacing and Fronts of Locks



Cylinder Lock. Flat Front



Bitted Key Lock Flat Front

Spacing: The vertical distance between the center of the knob hub and the center of the cylinder, keypost or turnpiece hub.

Backset: The horizontal distance from the face of a lock to the center line of its keyhole or hub.

Method of measuring backset of locks is as follows:

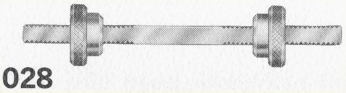
Flat Front Locks: Outside face of the front to the center of the keyhole or hub.

Beveled Front Locks: Center of the outside face of the front to the center of the keyhole or hub.

Rounded Front Locks: Cylinder mortise dead locks can be furnished with rounded fronts of standard radius to conform to the edge of double-acting doors. Standard radius, 2¼ inches.

Armored Front Locks: An armored front lock is one having a supplemental front attached to and covering the regular front to guard the cylinder set screws. The following locks can be furnished with armored front when so specified: 1202 line, 01203 line, 1207 line, Nos. 1238, F1238, 1209, 01206 and 1210. "Ten Strike" Locks regularly have armored fronts.

Aligning Tool

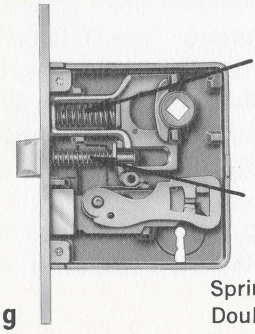


No. 028

For use in applying "Stilemaker" knobs and roses used as working trim for mortise locks. Furnished only when ordered.

Lock Construction

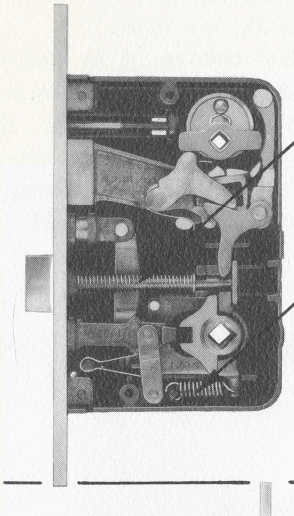
The various types of spring and latch construction used in RUSSWIN mortise locks are illustrated below. These types cover practically the entire line and are shown for comparison purposes only.



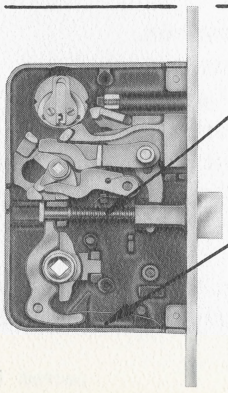
Spring Type DC, Easy Spring
Double Compression Springs

Easy Spring

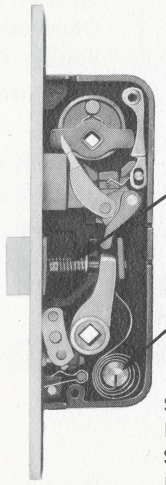
Used in all good locks. The term "easy spring" when applied to a lock designates that the latch is operated by a separate spring from the knob. Formerly the knob and latch were actuated by one spring. This necessitated a heavy spring and made the closing of the door hard as the latch was stiff. With the introduction of two springs a lighter spring could be used on the latch and the latch operated easily, thus the term "easy spring" type DC.



Spring Type EC
Compression and Tension Springs



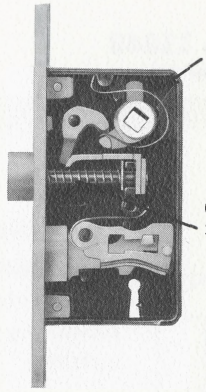
Spring Type CL
Compression and Lever Springs



Spring Type FC Compression and French Springs
Spring Type FT Tension and French Springs

French Spring

This is a heavy type of spring which is usually applied to the hub of a lock, intended to offset the overbalancing effect of the lever handle, and thereby relieving the strain which would otherwise be thrown on the sensitive spring of the latch bolt. Locks equipped with this type of spring are indicated by prefix F.

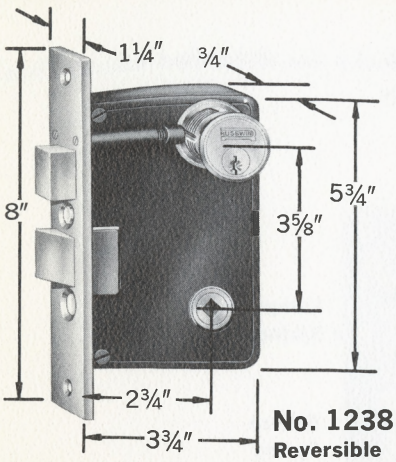


Spring Type GC
Compression and Gun Springs
Spring Type GT
Tension and Gun Springs

Gun Spring

A heavy flat spring of special construction especially adapted for use with lever handles. It is designed to give the full resiliency of the spring and will not break from crystallization. Locks equipped with this type of spring are indicated by prefix G.

Miscellaneous and Auxiliary Locks



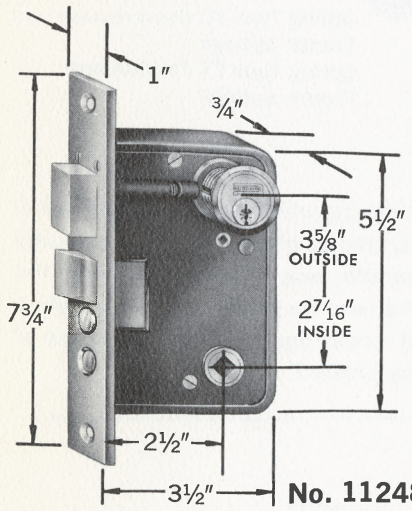
No. 1238
Reversible

Residences and Apartments

No. 1238: Latch bolt by knob either side except when outside knob is locked by stop in front, then by key only outside. Dead bolt by key outside and turn piece inside. Continuous turn of key or turn piece will withdraw both dead and latch bolts.

Special Backsets: 1¾, 2, 2¼, 2½, 3, 3½ and 6¼ in.; Width of case 1 in. more than backset.

Case: Cast iron.
Front: Cast bronze, flat. Armored front available when ordered.
Spring: Type EC (type CL for 1¾″ backset)
Hub: Bronze, ⅜ x 5/16 in.
Bolts: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9G, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 1, ball bearing.
Keys: 2 nickel silver, class 5D1.



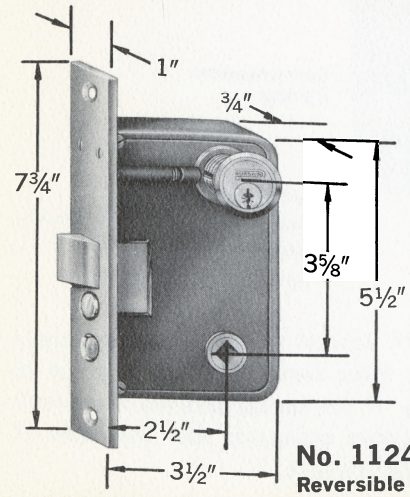
No. 11248
Reversible

Residences and Apartments

No. 11248: Latch bolt by knob either side except when knob is locked by stop in front, then by key only outside. Dead bolt by key outside and turn piece inside. Continuous turn of key will withdraw both dead and latch bolts.

Specify thickness of door when master-keyed.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type CL.
Hub: Bronze, ⅜ x 5/16 in.
Bolts: Cast bronze, ½ in. throw (¾ in. throw dead bolt available when ordered).
Strike: Wrought bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 110½, ball bearing.
Keys: 2 nickel silver, class 5D1.



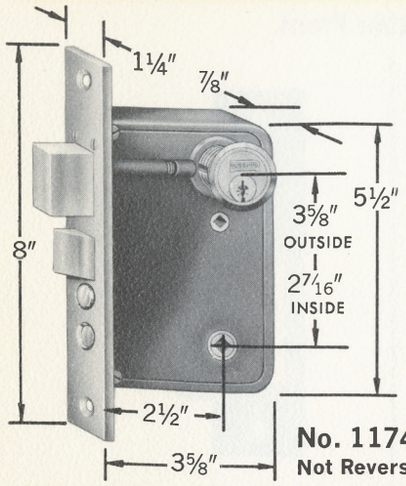
No. 11248½
Reversible

Vestibule and Office Doors

No. 11248½: Latch bolt by knob from either side except when outside knob is locked by stop in front, then by key only outside.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type CL.
Hub: Bronze, ⅜ x 5/16 in.
Bolt: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 110½, ball bearing.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

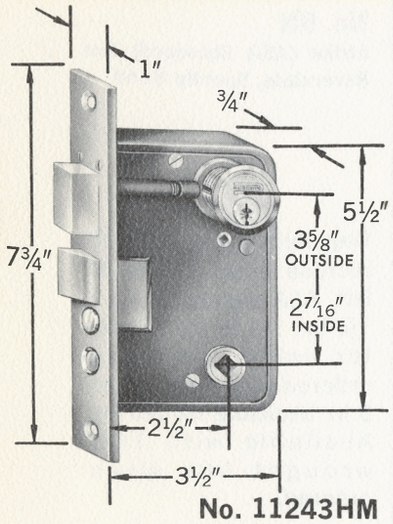


No. 11748
Not Reversible

Residences and Apartments

No. 11748: Latch bolt by knobs from either side except when outside knob is locked by stops in face. When so locked, latch bolt operated by key only from outside and by knob inside. Dead bolt operated by key from outside and turn piece inside. Both dead bolt and latch bolt can be retracted by a continuous turn of key from outside.

Case: Cast iron.
Front: Cast brass or bronze, beveled ⅛ in. on 2 inches. Can be furnished with flat front when so ordered.
Spring: Type CL.
Hub: Bronze, ⅜ x ⅝ in.
Bolts: Cast bronze, latch bolt ½ in. throw, dead bolt 1 in. throw.
Strike: Wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 110½, ball bearing.
Keys: 2 nickel silver, class 5D1.



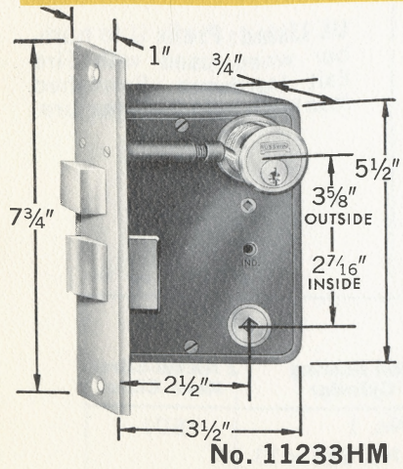
No. 11243HM
Not Reversible

Motel Doors

No. 11243HM: Latch bolt by knob either side except when outside knob is locked by stop in front. Latch bolt by guest key except when dead bolt is thrown; then by display or emergency keys only from outside. Dead bolt only by turn piece inside and display and emergency keys outside. When door is not deadlocked, latch bolt can be operated by guest, maid's master, grand master, display and emergency keys. Also available with salesman's shut out key. This key makes all others inoperable except emergency key.

Furnished with indicator B when ordered, page 135.

Case: Cast iron.
Front: Cast bronze, flat.
Can be furnished with front beveled ⅛ in. on 2 inches when so ordered.
Spring: Type CL.
Hub: Bronze, ⅜ x ⅝ in.
Bolts: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 111HM, ball bearing.
Keys: 2 nickel silver, class 5D1.



No. 11233HM
Not Reversible

Hotel Doors

No. 11233HM: Latch bolt by key only outside and knob inside; outside knob always rigid. Latch bolt by guest key except when dead bolt is thrown; then by display or emergency keys only from outside. Dead bolt only by turn piece inside and display and emergency keys outside. When door is not deadlocked, latch bolt can be operated by guest, maid's master, grand master, display and emergency keys.

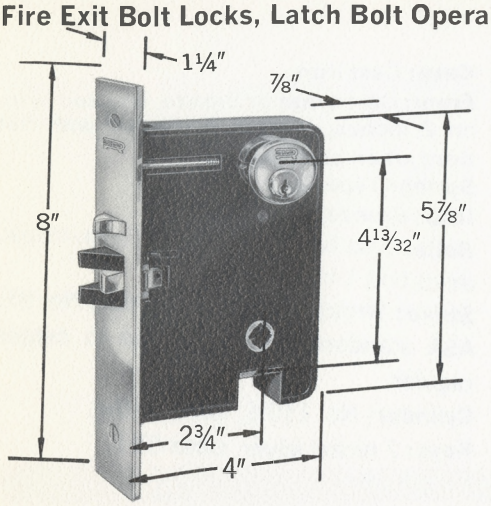
Furnished with indicator B when ordered, page 135.

Case: Cast iron.
Front: Cast bronze, beveled ⅛ in. on 2 inches. Can be furnished with flat front when so ordered.
Spring: Type CL.
Hub: Bronze, ⅜ x ⅝ in.
Bolts: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 111HM, ball bearing.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

Miscellaneous and Auxiliary Locks

Fire Exit Bolt Locks, Latch Bolt Operated By Rotary Action Reversible, Adjustable Front.



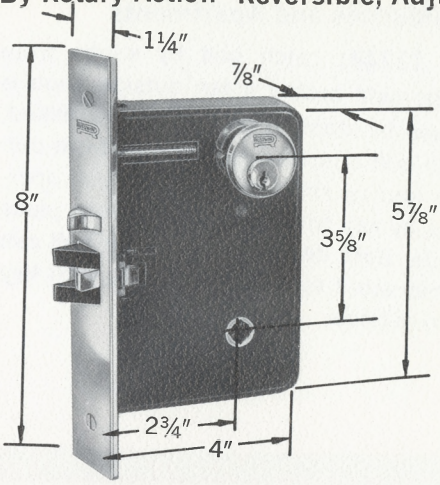
Nos. A2658, A2658½
With Regular Cylinder

Nos. A3658, A3658½
With Master Ring Cylinder Outside
Use With Exit Bolt Nos. 796, 796½.

No. A2658, A3658: Latch bolt by cross bar or lever paddle inside at all times; by key or thumb piece outside except when thumb piece is deadlocked by key. Thumb piece is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. Latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward hinged side to limit, then toward latch side to limit. Then withdraw the key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action — with nylon coating for endurance.

No. A2658½, A3658½: Same as above, except with two cylinders (with lock A3658½ master ring cylinder is furnished on outside only, regular cylinder inside); inside cylinder locks and unlocks thumb piece and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.



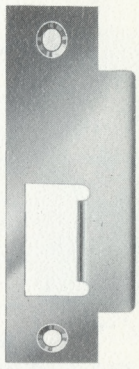
Nos. A2659, A2659½
With Regular Cylinder

Nos. A3659, A3659½
With Master Ring Cylinder Outside
Use With Exit Bolt Nos. NT796, 797, 799A, NT796½, 797½.

No. A2659, A3659: Latch bolt by cross bar or lever paddle inside at all times; by knob outside except when knob is deadlocked by key. Knob is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. Latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward hinged side to limit, then toward latch side to limit. Then withdraw the key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action — with nylon coating for endurance.

No. A2569½, A3659½: Same as above, except with two cylinders (with lock A3659½ master ring cylinder is furnished on outside only, regular cylinder on inside); inside cylinder locks and unlocks knob and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.



No. 9N
Strike (ASA Standard) Not Reversible, Specify Hand

Regularly furnished with mortise locks shown at left. ASA standard, 4⅞ x 1¼ in., 1⅛ in. lip to center unless otherwise ordered (lips from 1⅛ to 3 in. available on order). Available with 16W wrought box when ordered.

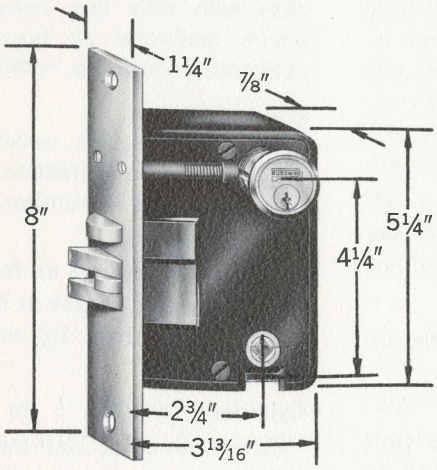
UL Listed: Prefix U to number when used with Fire Exit Hardware. Furnished less latch hold-back feature.

packed: 1 per box

Lock No.	Armored Forged Brass Front, in.	Cast Iron Case, in.	Backset Inches	Spacing, Inches	Type of Spring	Bronze Hub, in.	Throw, in. Cast Bronze Bolt	ASA Cast Bronze Strike, No.	Ball Bearing Cylinder	2 Nickel-Silver Keys, Class
A2658 A2658½	8 x 1¼	5⅞ x 4 x ⅞	2¾	4¼	SC	⅜	¾	9N	One No. 1 Two: No. 111 x 13	5D1
A2659 A2659½	8 x 1¼	5⅞ x 4 x ⅞	2¾	3⅝	SC	⅜	¾	9N	One No. 2 Two: No. 112 x 13	5D1

SPECIFY NUMBER, HAND, FINISH AND THICKNESS OF DOOR

Fire Exit Bolt Locks, Latch Bolt Operated By Rotary Action
Not Reversible, Specify Hand; Beveled ⅛ inch in 2 in.



Nos. 9458, 9458½
Regular Cylinder

Nos. 9453, 9453½
Master Ring Cylinder

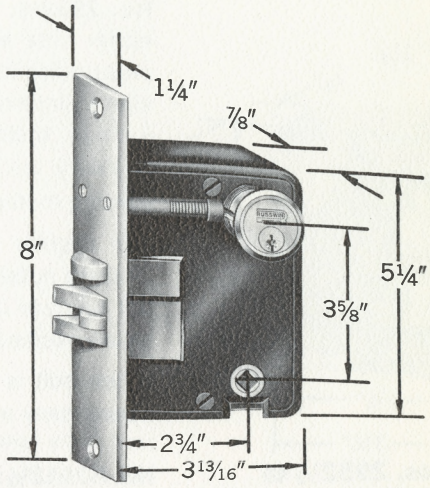
Class B, C, D, E fire doors with Underwriters' label prefix U to number, i.e., U9458, etc. (latch hold-back feature deleted).

No. 9458: Latch bolt by cross bar or lever paddle inside at all times; by thumb piece outside except when thumb piece is deadlocked by key. Thumb piece is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. When thumb piece is deadlocked, latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward back of lock. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action.

No. 9458½: Same as 9458, except with two cylinders (with lock 9453½ master ring cylinder is furnished on outside only, regular cylinder inside); inside cylinder locks and unlocks thumb piece and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.

If desired flat front, prefix F to number, i.e., F9458, etc.



Nos. 9459, 9459½
Regular Cylinder

Nos. 9455, 9455½
Master Ring Cylinder

Class B, C, D, E fire doors with Underwriters' label prefix U to number, i.e., U9459, etc. (latch hold-back feature deleted).

No. 9459: Latch bolt by cross bar or lever paddle inside at all times; by knob outside except when knob is deadlocked by key. Knob is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. When knob is locked, latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward back of lock. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action.

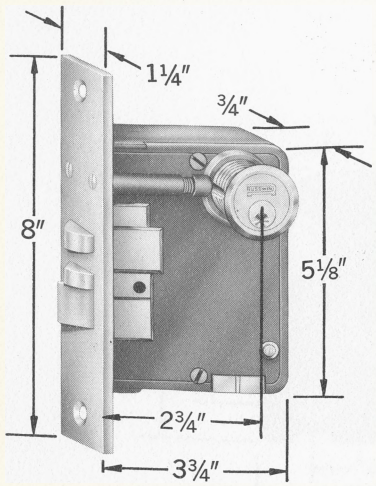
No. 9459½: Same as 9459, except with two cylinders (with lock 9455½ master ring cylinder is furnished on outside only, regular cylinder inside); inside cylinder locks and unlocks knob and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.

If desired flat front, prefix F to number, i.e., F9459, etc.

packed: 1 per box

Lock No.	Type of Spring	Bronze Hub, in.	Throw, in. Cast Bronze Bolt	Strike Type	Ball Bearing Cylinder	2 Nickel-Silver Keys, Class
9458 9458½	SC	⅜	9/16	9FE (ASA)	One: No. 1 Two: No. 1 x 4	5D1
9459 9459½	SC	⅜ x 5/16	9/16	9FE (ASA)	One: No. 1 Two: No. 1 x 4	5D1

Miscellaneous and Auxiliary Locks



Nos. 2952½ to H2952⅝
Not Reversible

Public Buildings — Handle Operation

No. 2952½: Latch bolt by thumb piece either side except when outside thumb piece is locked by master key through inside cylinder; then latch bolt by key only outside. Inside thumb piece always free. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

The regular change or master key will operate outside cylinder; only master key will operate inside cylinder unless otherwise specified.

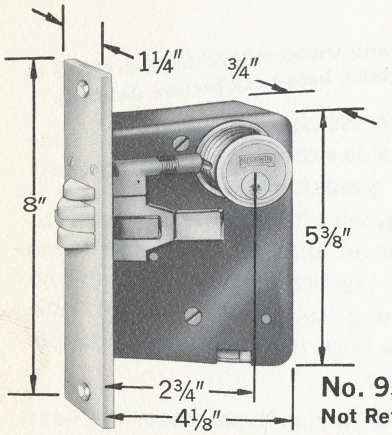
Latch bolt is of the anti-friction type, insuring easy action.

Lock 2952½ conforms to Federal Specification 123B

No. H2952½: Same as No. 2952½ except that latch bolt may be held retracted by depressing outside thumb piece and turning key in inside cylinder.

No. H2952⅝: Same as No. H2952½ except with only one cylinder No. 1MP which performs all functions of both cylinders on lock No. H2952½.

Case: Cast iron.
Front: Cast bronze, beveled ⅛ in. on 2 inches. Can be furnished with armored front, prefix **AF** to number.
Spring: Type SC.
Bolt: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9L, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: Two No. 1 for locks 2952½, H2952½. One No. 1MP for lock H2952⅝. Ball bearing type.
Keys: 2 nickel silver, class 5D1.

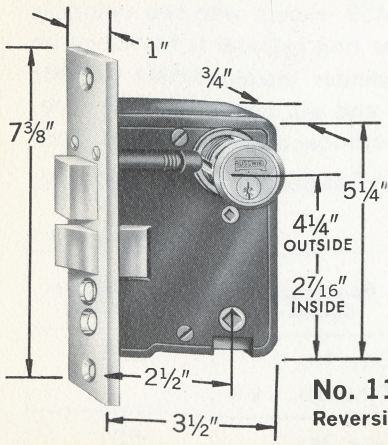


No. 9395
Not Reversible

Public Buildings — Handle Operation

No. 9395: Cast cylinder with lazy cam inside, ball bearing cylinder No. 1 outside. Latch bolt operated by thumb piece of handle inside and by key from outside. Key in inside cylinder locks latch bolt and auxiliary latch in retracted position, allowing door to be operated by outside pull.

Case: Cast iron.
Front: Cast bronze, beveled ⅛ in. on 2 inches. Can be furnished with armored front, prefix **AF** to number.
Spring: Type SC.
Bolt: Cast bronze, ½ in. throw.
Strike: Cast bronze, No. 15, 1½ in. lip to center.
Cylinder: Two No. 1L x No. 1, ball bearing.
Keys: 2 nickel silver, class 5D1.



No. 11213
Reversible

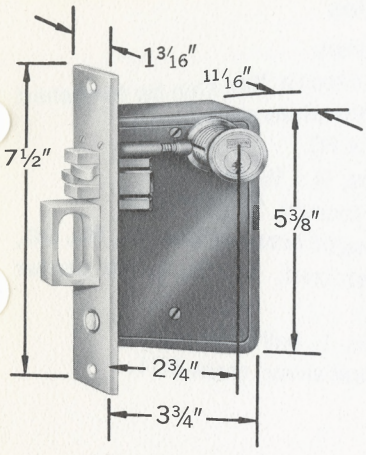
Residences — Handle Operation

No. 11213: Latch bolt by thumb piece outside and knob inside except when thumb piece is locked by stop in front, then by key only outside. Dead bolt by key outside and turn piece inside. Continuous turn of key will withdraw both dead and latch bolts.

Conforms to Federal Specification 121A

Case: Cast iron.
Front: Cast bronze, flat. Can be furnished with front beveled ⅛ on 2 in. when so ordered.
Spring: Type CSL.
Hub: Bronze, 5⁄16 in.
Bolts: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 110½, ball bearing.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

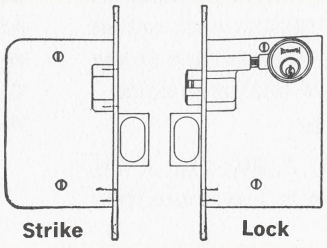


Nos. 1334, 1334½
Reversible

Sliding Door Lock

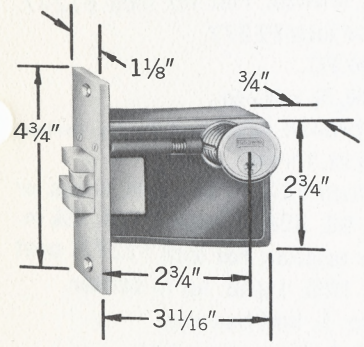
No. 1334: Dead bolt by key either side. Turn piece may be furnished in place of cylinder one side. Stop in front will project pull. Used on double doors.

No. 1334½: Same as No. 1334 except lock is used on single doors.



Outline of 1334

Case: Cast iron.
Front: Cast bronze, flat.
Bolt: Cast bronze.
Strike: Special (see outline illustration). Strike case 5½ x 3½ x 11/16 inches, flat cast bronze front.
Cylinder: Two No. 1, ball bearing.
Keys: 2 nickel silver, class 5D1.



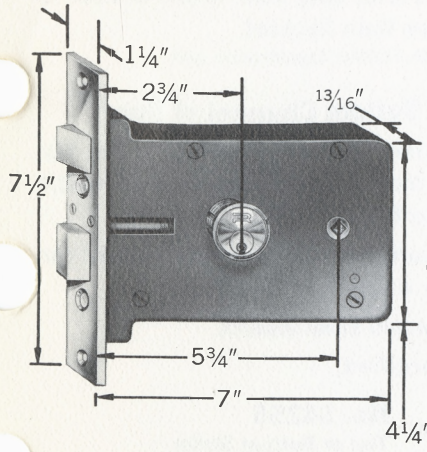
Nos. 13850, 13850½
Reversible

Sliding Door Lock

No. 13850: Dead bolt by key outside, by drop handle No. 053 inside with 3/16 in. spindle (included with lock).
Conforms to Federal Specification 198A

No. 13850½: Same as No. 13850, except with two cylinders No. 1. Drop handle omitted. Dead bolt by key from either side.
Conforms to Federal Specification 198

Case: Cast iron.
Front: Cast bronze, flat.
Bolt: Cast bronze.
Strike: No. 5.
Cylinder: One No. 1 for lock 13850. Two No. 1 for lock 13850½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



No. 4548
Not Reversible

Front Door Lock

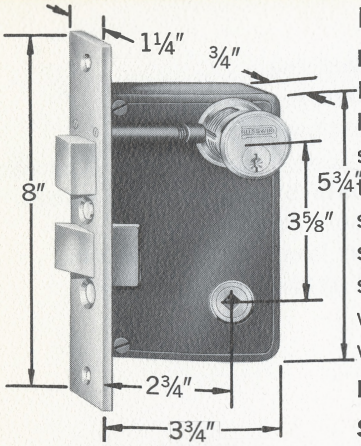
No. 4548: Latch bolt by key from outside at all times and by knobs from either side except when outside knob is locked by stops in face. Dead bolt by key from outside and thumb knob inside.

Can be furnished with rabbeted front (7½ x 1 5/16 in. x ½ in. rabbet), 2¾ in. backset, knob 5¾ in. short side. To order, prefix **R** to no., i.e., R4548.

Case: Black lacquered iron.
Front: Cast brass or bronze, beveled 1/8 in. in 2 inches. Can be furnished reversible with flat front when so ordered. Also available with armored front when so ordered.
Spring: Easy type.
Hub: Bronze, 3/8 x 5/16 in.
Bolts: Cast bronze, ½ in. throw.
Strike: 1¼ in. lip to center.
Cylinder: No. 0½, ball bearing.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

Miscellaneous and Auxiliary Locks



No. F1238
Not Reversible

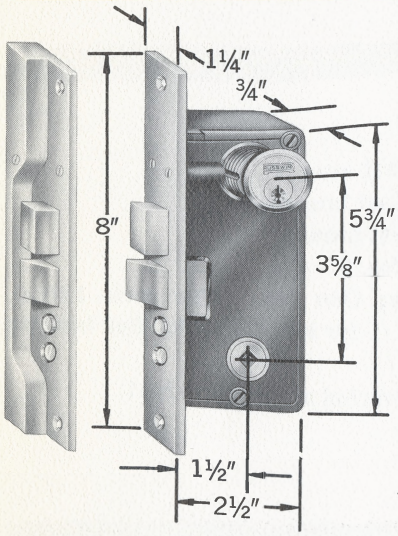
French Spring Lock — Narrow and Special Width Stiles

No. F1238: Latch bolt by lever handles both sides, except when outside handle is locked by stop in front, then by key outside only. Dead bolt by key outside, and turn piece inside. French spring exerts strong pressure on hubs to prevent sagging of lever handles; compression spring on latch bolt provides easy action when door closes. Continuous turn of key will withdraw both dead and latch bolts.

Regular Backset: 2¾ in.

Special Backsets: 1¾, 2, 2¼, 2½, 3, 3½ and 4 in. Width of case is 1 in. more than backset.

Case: Cast iron.
Front: Cast bronze, flat. Can be furnished armored front when so ordered.
Spring: Type FC.
Hub: Bronze, ⅜ x 5/16 in.
Bolts: Cast bronze, ½ in. throw.
Strike: Wrought brass or bronze, No. 9G, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: No. 1, ball bearing.
Keys: 2 nickel silver, class 5D1.



No. F1277
Rabbeted Front

No. F1247
Not Reversible

French Spring Lock — Narrow and Special Width Stiles

No. F1247: Latch bolt by lever handles both sides, except when outside handle is locked by stop in front, then by key outside only. Dead bolt by key outside and turn piece inside. French spring exerts strong pressure on hubs to prevent sagging of lever handles; compression spring on latch bolt provides easy action when door closes. Continuous turn of key will withdraw both dead and latch bolts.

Regular Backset: 1½ in.

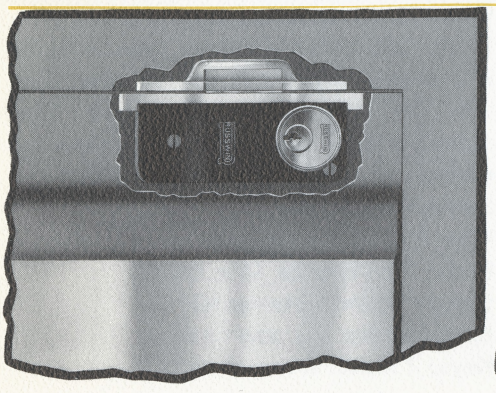
Special Backsets: 1 and 1¼ in. Width of case is 1 in. more than backset.
Conforms to Federal Specification 8A

No. F1277: Same as F1247 except with ½ in. rabbeted front.

Regular Backset: 1½ in. short side, 2 in. long side.

Case: Cast iron.
Front: Cast bronze. Flat for lock F1247. Rabbeted for lock F1277.
Spring: Type FC.
Hub: Bronze, ⅜ x 5/16 in.
Bolts: Cast bronze, latch bolt 7/16 in. throw, dead bolt ½ in. throw.
Strike: For lock F1247: wrought brass or bronze, No. 9E, ASA standardized, 1⅛ in. lip to center regular. For lock F1277: cast bronze, No. 10B, 1¼ in. lip to center.
Cylinder: No. 1, ball bearing.
Keys: 2 nickel silver, class 5D1.

Special Backsets: 1 and 1¼ in. short side; 1½ and 1¾ in. long side. Width of case is 1 in. more than backset.
Conforms to Federal Specification 8AR



packed: 1 per box

No. S4255

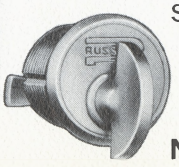
Dead Lock For Use In Top or Bottom Channel of Door

Designed to fit in extruded channels of door (manufacturer's No. SO4T or SO4B). The channel is machined to take the lock which can be installed or changed in the field.

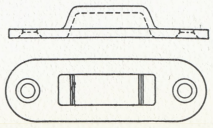
Two cylinders are furnished regularly but turn piece **No. S4292** can be substituted for inside cylinder when so ordered.

Dead bolt regularly has two hardened steel inserts.

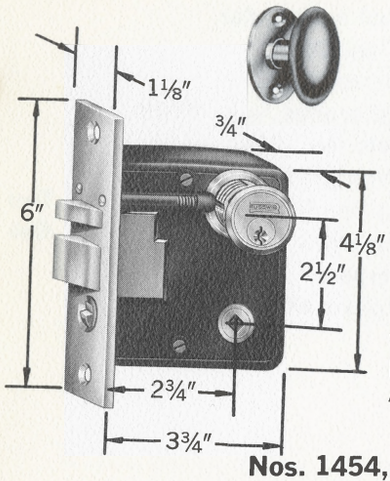
Strike not furnished unless so specified.



No. S4292



No. S4255
Top or Bottom Strike
Furnished with Expansion Shields when so required.



Nos. 1454, 1454½
Reversible

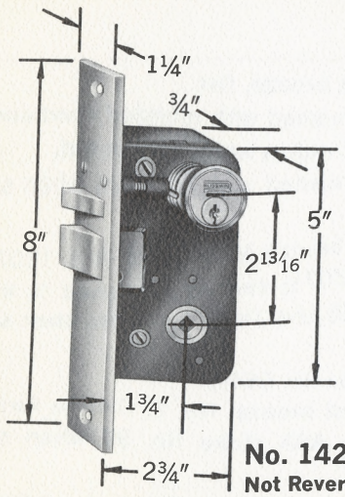
No. 1454: Latch bolt by key only outside, and by turn knob only inside. Stop in front can be set to hold latch bolt retracted.

Auxiliary latch deadlocks latch bolt, preventing manipulation when door is closed.

No. 1454½: Same as No. 1454 except with two cylinders No. 1 and no turn knob; latch bolt by key either side.

Lock 1454 conforms to Federal Specification 183

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type DC.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, 5/8 in. throw.
Turn Knob: No. 1294.
Strike: Wrought bronze, No. 4B.
Cylinder: One No. 1 for lock 1454. Two No. 1 for lock 1454½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.

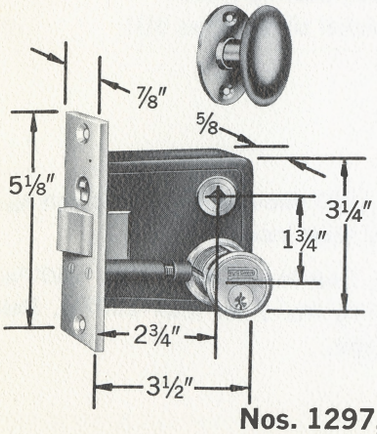


No. 1429
Not Reversible

No. 1429: Latch bolt by key outside and lever handle inside. Outside lever always rigid. Turn of key in inside cylinder No. 1L (which has the lazy cam) holds latch bolt and auxiliary latch retracted.

Auxiliary latch deadlocks latch bolt, preventing manipulation when door is closed.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type F.
Hub: Bronze, 3/8 x 5/16 in.
Bolt: Cast bronze, 7/16 in. throw.
Strike: Wrought brass or bronze, No. 9F, ASA standardized, 1⅛ in. lip to center regular.
Cylinder: Two, No. 1 x No. 1L, ball bearing.
Keys: 2 nickel silver, class 5D1.



Nos. 1297, 1297½
Reversible

⅞ in. Front for Thin Doors

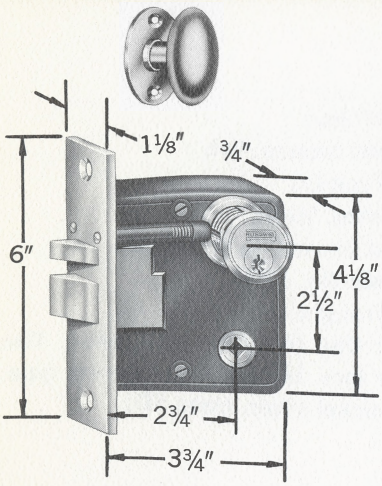
No. 1297: Latch bolt by key outside and turn knob inside. Stop in front can be set to hold latch bolt retracted.

No. 1297½: Latch bolt by key either side. Stop in front can be set to hold latch bolt retracted.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type EC.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, 7/16 in. throw.
Turn Knob: No. 1294.
Strike: Cast bronze, No. 4.
Cylinder: One No. 1 for lock 1297. Two No. 1 for lock 1297½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

Miscellaneous and Auxiliary Locks



No. H1454
Reversible

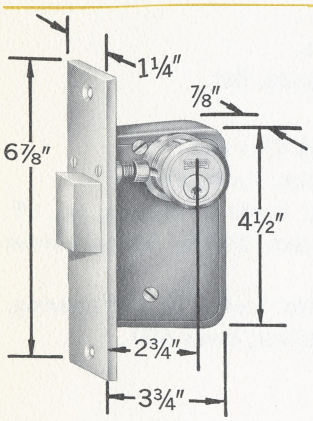
No. H1454½, H1453½
Not Reversible

No. H1454: Latch bolt by key only outside, and by turn knob only inside. Both latch bolt and auxiliary latch held retracted through cylinder by pressing in latch bolt and turning key. Auxiliary latch deadlocks latch bolt, preventing manipulation when door is closed.

No. H1454½: Latch bolt by key either side. Latch bolt and auxiliary latch held retracted through inside cylinder by pressing in latch bolt and turning key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

No. H1453½: Latch bolt by key either side and by turn knob only inside. Latch bolt and auxiliary latch held retracted through inside cylinder by pressing in latch bolt and turning key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type DC.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, ⅝ in. throw.
Turn Knob: No. 1294.
Strike: Wrought bronze, No. 4B.
Cylinder: One No. 1 for lock H1454. Two No. 1 for locks H1454½, H1453½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



Nos. 1207 to 1207¾
Reversible

No. 1207: By key outside and turn piece inside.

No. 1207¼: By key one side only.

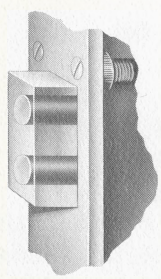
No. 1207½: By key either side.

No. 1207¾: By key outside. Turn piece on inside will retract dead bolt, but will not project it.

Regular Backset: 2¾ in.

Special Backsets: 1, 1½, 2½, 3, 3½, and 4 in. Width of case is 1 in. more than backset.
Case: Cast iron.

Front: Cast bronze, flat.
Can be furnished with rounded front and strike to 4″ radius when so ordered.
Can be furnished armored front when so ordered.
Bolt: Cast bronze, ⅝ in. throw. Nos. 1207, 1207¼, 1207½ can be furnished ¾ in. throw in 2½ and 2¾ in. backsets when so ordered.
Turn Piece: No. 066½.
Strike: Cast bronze, No. 5. Can be furnished with ASA strike No. 9E when so ordered.
Cylinder: One No. 1 for locks 1207, 1207¼, 1207¾. Two No. 1 for lock 1207½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



Nos. 1507 to 1507¾
Reversible

No. 1507: By key outside and turn piece inside.

No. 1507¼: By key one side only.

No. 1507½: By key either side.

No. 1507¾: By key outside. Turn piece on inside will retract dead bolt, but will not project it.

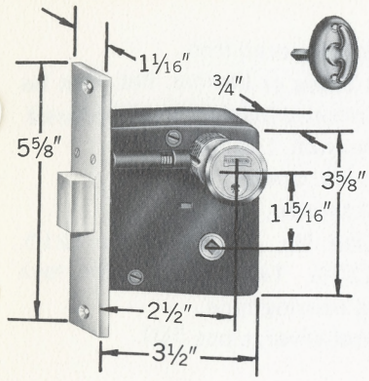
Regular Backset: 2¾ in.

Special Backsets: 1, 1½, 2½, 3, 3½, and 4 in. Width of case is 1 in. more than backset.

Same as 1207 above except dead bolt has hardened steel inserts.

Cylinder: One No. 1 for 1507, 1507¼, 1507¾. Two No. 1 for lock 1507½. Ball bearing type.

packed: 1 per box



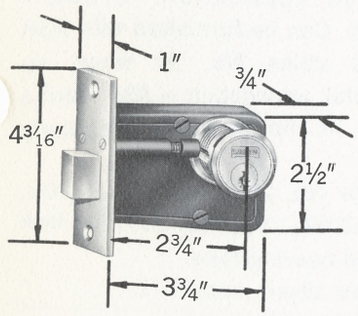
Nos. 1202¾, 1202½
Reversible

Mortise Dead Lock

No. 1202¾: By key from outside. When projected, the bolt can be withdrawn by turn piece from inside, but turn piece will not project bolt.

No. 1202½: By key from either side. When projected, the bolt can be withdrawn by turn piece from the inside, but turn piece will not project bolt.

Case: Cast iron.
Front: Cast bronze, flat.
Can be furnished armored front when so ordered.
Bolt: Cast bronze, 9/16 in. throw.
Turn Piece: No. 066½.
Strike: Wrought bronze.
Can be furnished with ASA strike No. 9J when so ordered.
Cylinder: One No. 1 for lock 1202¾. Two No. 1 for lock 1202½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



Nos. 01203 to 01203¾
Reversible

Mortise Dead Lock — 1-inch Front for Thin Doors

No. 01203: By key outside and turn piece inside.

No. 01203¼: By key one side only.

No. 01203½: By key either side.

No. 01203¾: By key outside. Turn piece will retract dead bolt but will not project it.

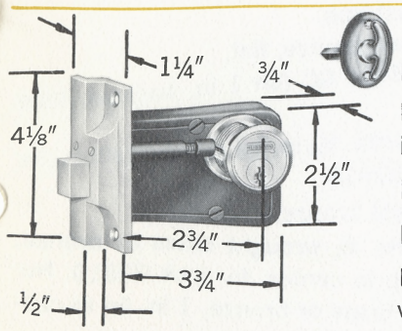
Regular Backset: 2¾ in.

Special Backsets: 1½, 2 and 2½ inches. Width of case is 1 in. more than backset.

This series conforms to Federal Specifications as follows:

01203¾ meets 191 Spec.
AR01203 meets 190K Spec.
AR01203½ meets 190M Spec.
AR01203¾ meets 190L Spec.

Case: Cast iron.
Front: Cast bronze, flat.
Can be furnished with rounded front to 4" radius when so ordered. Can be furnished armored front when so ordered.
Bolt: Cast bronze, 9/16 in. throw. Nos. 01203, 01203¼, 01203½ can be furnished with ¾ in. throw, in 2½ and 2¾ in. backset only, when so ordered.
Turn Piece: No. 066½.
Strike: Wrought bronze, No. 5. Can be furnished with ASA strike No. 9J when so ordered.
Cylinder: One No. 0½ for locks 01203, 01203¼ and 01203¾. Two No. 0½ for lock 01203½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



Nos. 1204 to 1204½
Not Reversible, Rabbeted

Mortise Dead Lock — Rabbeted

No. 1204: By key outside and turn piece inside.

No. 1204¼: By key one side only.

No. 1204½: By key either side.

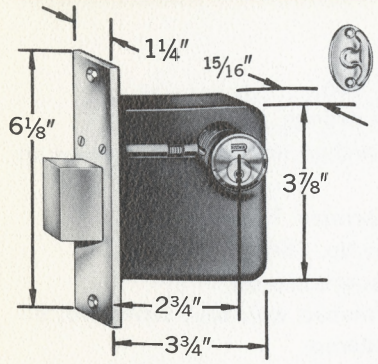
No. 1204¾: By key outside. Turn piece will retract dead bolt but will not project it.

Regular Backset: 2¾ in. short side, 3¼ in. long side.

Case: Cast iron.
Front: Cast bronze, rabbeted.
Bolt: Cast bronze, ½ in. throw.
Turn Piece: No. 066½.
Strike: Cast bronze, No. 5A.
Cylinder: One No. 1 for locks 1204, 1204¼. Two No. 1 for lock 1204½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.

packed: 1 per box

Miscellaneous and Auxiliary Locks



Nos. 1210 to 1210¾ **Reversible (Except 1210¾)**

Master Ring Cylinder Dead Lock

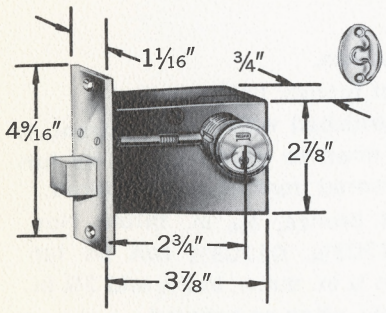
No. 1210: By key outside and turn piece inside.

No. 1210¼: By key one side only.

No. 1210½: By key either side.

No. 1210¾: By key outside. Turn piece will retract dead bolt but will not project it. Also available: 1510 to 1510¾, same as 1210 series except dead bolt has hardened steel inserts.

Case: Black lacquered iron.
Front: Cast brass or bronze, flat. Can be furnished armored front when so ordered.
Bolt: Cast bronze, 1 in. throw.
Turn Piece: No. 066½.
Strike: Cast bronze, No. 5A.
Cylinder: One No. 1-T for locks 1210, 1210¼, 1210¾. Two No. 1-T for lock 1210½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



Nos. 01206 to 01206¾
Reversible (Except 01206¾)

Master Ring Cylinder Dead Lock

No. 01206: By key outside and turn piece inside.

No. 01206¼: By key one side only.

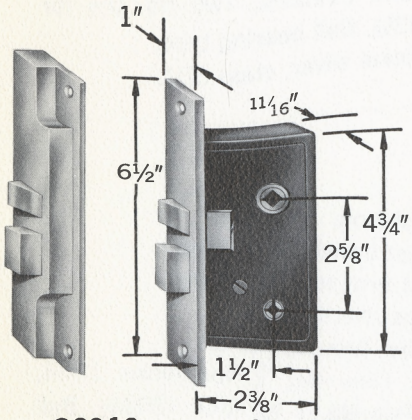
No. 01206½: By key either side.

No. 01206¾: By key outside. Turn piece will retract dead bolt but will not project it.

Regular Backset: 2¾ in.

Special Backset: 2½ in. Width of case is 1⅛ in. more than backset.

Case: Black lacquered iron.
Front: Cast brass or bronze, flat. Can be furnished armored front when so ordered.
Bolt: Cast bronze, ¾ in. throw.
Turn Piece: No. 066½.
Strike: Wood application — wrought bronze, No. 5. Can be furnished with ASA standardized strike No. 9J when so ordered. Metal application — ASA strike No. 9J, 1⅛ in. lip to center, regularly furnished.
Cylinder: One No. 20½ for locks 01206, 01206¼, 01206¾. Two No. 20½ for lock 01206½. Ball bearing type.
Keys: 2 nickel silver, class 5D1.



G2910
Not Reversible, Rabbeted

No. G2310
Reversible

Gun Spring Lock

No. G2310: Latch bolt by knob either side. Dead bolt by turn piece inside and emergency key No. 219 outside. Lever handle should be used on outside for 2 in. backset and less. This lock has gun spring type latch construction, which gives strong action on hub and easy action on latch bolt, making it especially adaptable for use with lever handles.

Regular Backset: 1½ in.

Special Backset: 2 in. Width of case is ⅞ in. more than backset.
Conforms to Federal Specification 6B

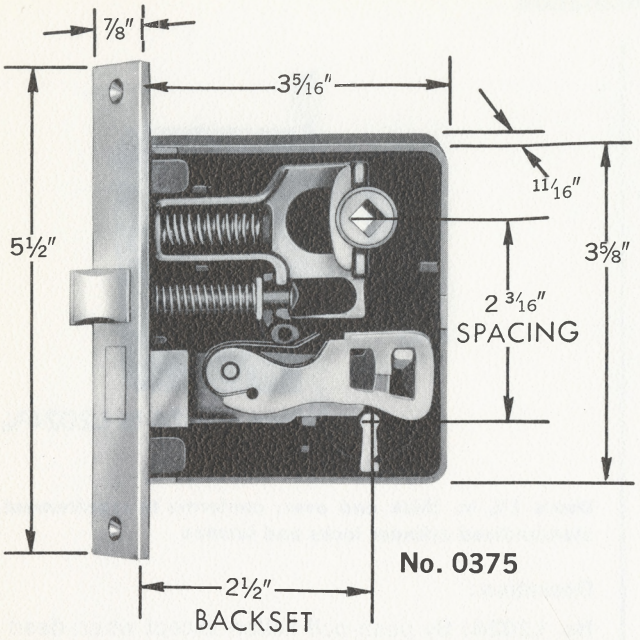
No. G2910: Same as **No. G2310,** except with ½ in. rabbeted front and cast bronze strike. Not reversible, specify hand.

Regular Backset: 1 in. short side, 1½ in. long side.

Special Backsets: 1½ in. short side; 2 in. long side. Width of case ⅞ in. more than short side backset.
Conforms to Federal Specification 6BR

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type GC (on 1 in. backset, type GT)
Hub: Bronze, 5/16 in. for lock G2310, 3/16 in. for lock G2910.
Bolts: Cast bronze, ⅜ in. throw.
Strike: No. 6, wrought brass or bronze, 1¼ in. lip to center, for lock G2310. No. 6A, cast brass or bronze, 1 in. lip to center, for lock G2910.
Key: Emergency key No. 219.

packed: 1 per box



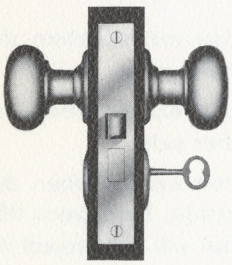
No. 0375

Standardized Mortise Knob Locks

Doors 1 3/8 in. Minimum Thickness

Reversible

All locks and latches listed as standard type for doors 1⅜ in. minimum thickness have same size front, case, backset, spacing, spring construction and knob hub. Lip of strike 1 in. to center. For 1¾ in. doors specify 1¼ in. to center.



No. 0375
Bit Key

No. 0375¾
Bit Key

No. 0375¾M
Bit Key

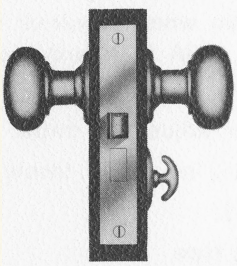
No. 0375: Latch bolt by knob either side. Dead bolt by key either side. 1 tumbler, 12 changes, 1 key, class 558¾.

No. 0375¾: Same as 0375 except: 3 tumblers, 32 changes, 1 key, class 559.

No. 0375¾M: Same as 0375 except: master-keyed, 3 tumblers, 300 changes, 1 key, class 563. Master-keyed in 3 sets of 100 each or less, all different, with master key for each set and grand master key for all.

Case: Cast iron.
Front: Cast bronze, flat. Available with ⅛ on 2 inch bevel when ordered.
Hub: 5/16 in. cast iron (can be furnished in cast bronze when specified).
Spring: Double compression.
Bolts: Cast bronze.
Latch: ⅝ x ½ in. with 7/16 in. throw.
Dead: 13/16 x 13/32 in. with 7/16 in. throw.
Strike: Wrought bronze, type 6.
Key: Steel, nickel plated.

Conforms to Federal Specifications as follows:
0375 meets 3AA Spec.
0375¾ meets 3A Spec.
229 meets 3B Spec.

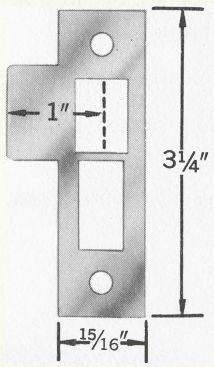


No. 229

Bathroom Lock

No. 229: Latch bolt by knob either side. Dead bolt by turn piece inside and emergency key No. 219 outside.

LIP TO CENTER



No. 6

trim shown for illustration purposes only

Miscellaneous and Auxiliary Locks

Adjustable Roller Latch And Roller Latch Lock Combination



No. HL2025

Doors 1¾ in. thick and over; conforms to requirements for standardized cylinder locks and latches

Operation: Adjustable roller latch by push-pull operation at all times. Latch bolt by knob either side except when held in hold-back position. Latch bolt held in hold-back position by pushing in latch with hand and, holding in this position, turning either knob in any direction. Hold-back released by turning either knob.

Case: Cast iron, 5¾ x 3¾ x ⅞ in.

Front: Forged brass, 8 x 1¼ x 7/32 in. (not available with rounded front).

Backset: 2¾ in.

Knob: Two, No. 1294, page 99, regularly furnished for use with this latch.

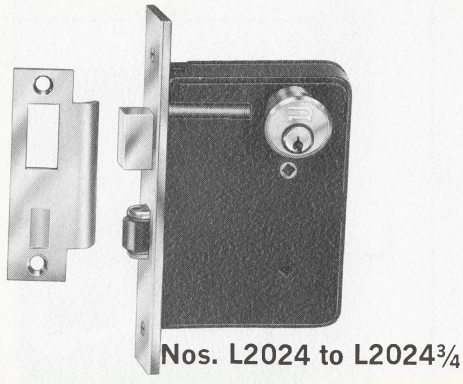
Scalp: Wrought brass or bronze, armored; attached by machine screws to front.

Strike: No. 16S, wrought brass or bronze, 3/32 in. thick; finished to match aluminum trim when required; lip 1⅛ in. to center — 4⅞ x 1¼ in., ASA Standard — not reversible, specify hand.

Roller Latch: Grey natural rubber, adjustable throw.

Latch Bolt: Extruded brass, plain, ⅝ x 1 in. — ⅝ in. throw.

Fits same mortise as 2000 line locks.



Nos. L2024 to L2024¾

Doors 1¾ in. thick and over; conforms to requirements for standardized cylinder locks and latches

Operation:

No. L2024: By push-pull action except when dead bolt is projected by turn piece 066½ from inside or by key from outside.

No. L2024¼: By push-pull action except when dead bolt is projected by key from outside only.

No. L2024½: By push-pull action except when dead bolt is projected by key from either side.

No. L2024¾: By push-pull action except when dead bolt is projected by key from outside. Turn piece 066½ on inside will retract dead bolt but will not project it.

Case: Cast iron, 5¾ x 3¾ x ⅞ in.

Front: Forged brass, 8 x 1¼ x 7/32 in. (not available with rounded front).

Backset: 2¾ in.

Scalp: Wrought brass or bronze, armored; attached by machine screws to front.

Strike: No. 14S, wrought brass or bronze, 3/32 in. thick; finished to match aluminum trim when required; lip 1⅛ in. to center — 4⅞ x 1¼ in., ASA Standard — not reversible, specify hand.

Roller Latch: Grey natural rubber, adjustable throw.

Dead Bolts: Cast bronze, 19/32 x 1¼ in. — ⅝ in. throw.

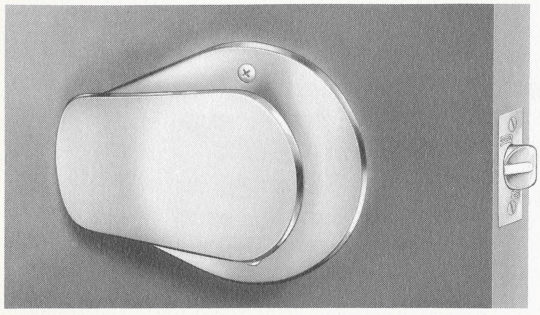
Keys: Two nickel-silver, class 5D1.

Cylinder: 5 or 6-pin, ball bearing type

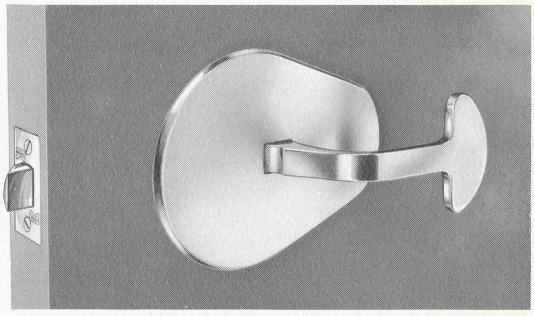
Fits same mortise as 2000 line locks.

Throw and latching pressure of roller adjusted by means of screws in Front.

Push-Pull Latch Set No. H10



Showing Push Lever



Showing Pull Lever

No. H10
Reversible

This modern design push-pull set is operated by a simple push from one side and a pull from the opposite side. Primarily designed for hospital use, it may be used on any door requiring push-pull operation.

Use on 1¾ in. doors only.

Backset: 5 inches.

Finishes: US26D, satin chrome; US10, satin bronze.

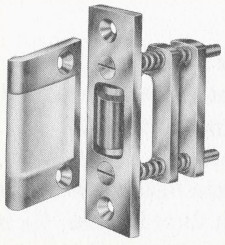
Thru bolt application.

Dimensions:
Escutcheons: 6½ x 5 in.
Projection: Pull lever, 2 in.; Push lever, 1¾ in.
Push Lever: 6 x 3½ in.
Pull Lever: 4¾ x 2¾ in.
Latch: Furnished with Stilemaker type latch with nylon insert. Regularly furnished with beveled front, ⅛ on 2 inches. Can be furnished with flat front, prefix F to number, i.e., FH10.
Strike: Wrought box strike regularly furnished. 2¾ x 1⅛ inches, 1¼ in. lip to center, curved lip.

U.L. Approved for Classes A, B, C, D and E Labeled Doors

Adjustable Roller Latch

Use With Door Pulls And Push Plates or Rigid Knobs Used As Pulls



No. 115

Operation: By push-pull operation at all times.

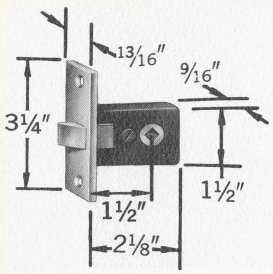
Front: Forged brass, 1 x 3⅜ in.

Strike: Forged brass, 1 11/16 x 2¼ in., shown above (No. 15S, 4⅞ x 1⅛ in. ASA Standard also available only when ordered; when roller latch is required with the ASA strike in place of regular strike, suffix S to number i.e., 115S).

Roller Latch: Grey natural rubber, adjustable throw.

Throw and latching pressure of roller adjusted by means of screws in Front.

Miscellaneous and Auxiliary Locks

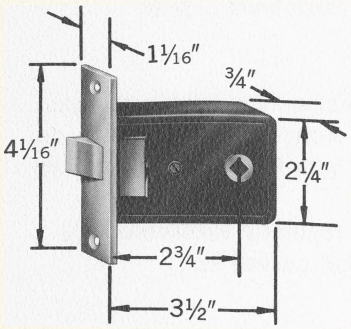


No. 023
Reversible

Knob Latch

No. 023: Latch bolt by knob either side.
Regular Backset: 1½ in.
Special Backsets: 1¾, 2, and 2¼ in. Width of case is ⅝ in. more than backset.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type SC.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, ⅜ in. throw.
Strike: Wrought bronze, No. 4, 1 in. lip to center.

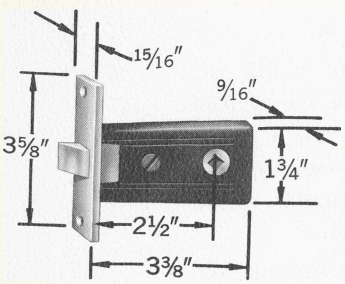


No. 025
Reversible

Knob Latch

No. 025: Latch bolt by knob either side.
Regular Backset: 2¾ in.
Special Backsets: 2¼ and 3 in. Width of case is ¾ in. more than backset.
Conforms to Federal Specification 185

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type DC.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, 7/16 in. throw.
Strike: Wrought bronze, No. 4, 1¼ in. lip to center. Can be furnished with ASA strike No. 9E when so ordered.



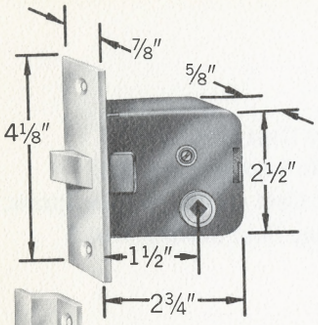
No. 039
Reversible

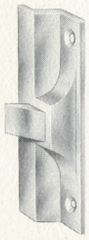
Knob Latch

No. 039: Latch bolt by knob either side.
Conforms to Federal Specification 184

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type DC.
Hub: Iron, 5/16 in. Can be furnished with bronze hub when so ordered.
Bolt: Cast bronze, 7/16 in. throw.
Strike: Wrought bronze, No. 4, 1 in. lip to center. Special 1¼ in. lip to center available for 1¾ in. doors.

packed: 6 per box





No. G024
Reversible

No. G024½
Not Reversible, Rabbeted

Knob Latch

No. G024: Latch bolt by knob either side.

Regular Backset: 1½ in.

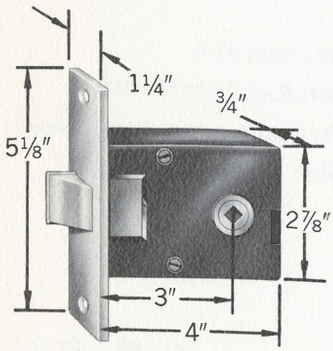
Special Backsets: 1 and 2 inches. Width of case is ¾ in. more than backset.

No. G024½: Same as G024 except with ½ in. rabbeted front.

Regular Backset: 1½ in. short side, 2 in. long side.

Special Backsets: 1 and 2 in. short side, 1½ and 2½ in. long side. Width of case is ¾ in. more than backset.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type GT.
Hub: Bronze, 5/16 in.
Bolt: Cast bronze, 7/16 in. throw.
Strike: Cast brass or bronze, No. 4D, 1 in. lip to center.



No. 0280
Reversible

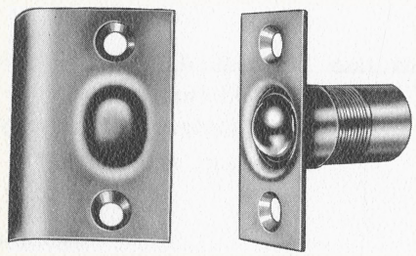
Knob Latch

No. 0280: Latch bolt by knob either side.

Latch bolt is of the winged type, insuring easy action, ¾ in. throw, making latch especially adaptable for kalamein and other fire tower doors.

Case: Cast iron.
Front: Cast bronze, flat.
Spring: Type DC.
Hub: Cast bronze, 5/16 in.
Bolt: Cast bronze, ¾ in. throw.
Strike: Wrought brass or bronze, No. 9H, ASA standardized, 1⅛ in. lip to center regular.

packed: 1 per box



No. 121

Ball Latch

Brass casing.

Two adjustments — spring pressure and projection on threaded barrel.

Diameter: ¾ in.

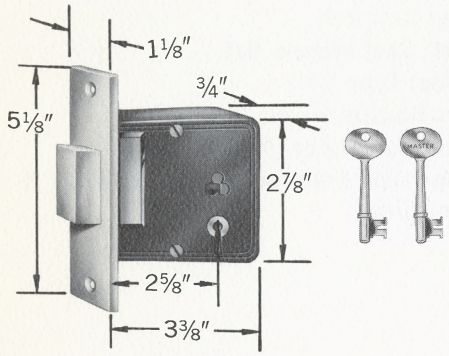
Front: 2⅛ x 1 in.

Strike: 2⅛ x 1⅜ in., rounded lip, lip to center ⅞ in.

Finishes: US3 polished brass; US10 satin bronze; US26D satin chrome.

packed: 10 per box

Miscellaneous and Auxiliary Locks



No. 0786
Reversible

Bit Key Dead Lock

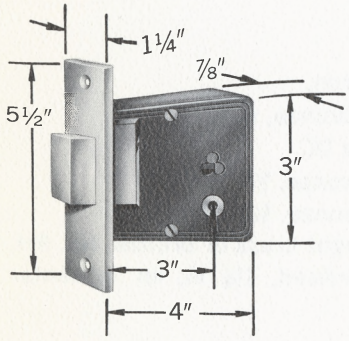
No. 0786: Dead bolt by key either side. 4 tumblers, 1000 changes, 1 key class 557. Can be master-keyed in 20 sets of 50 each or less, all different, with master key for each and grand master key for all, or 1 set of 1000 all different.

Regular Backset: 2⅝ in.

Special Backset: 1½ in.; width of case is ¾ in. more than backset.

Case: Cast iron.
Front: Cast bronze, flat.
Bolt: Cast bronze, 9/16 in. throw.
Strike: Cast bronze, No. 5

packed: 3 per box



No. 0756
Reversible

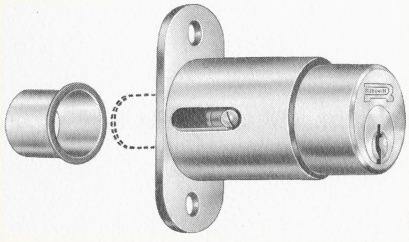
Bit Key Dead Lock
Asylums and Hospitals

No. 0756: By key either side. Made with two key changes, one for male ward and one for female ward. Keys made of cold forged steel and are furnished separately; specify quantity required for each group. 3 tumblers, cold rolled steel; key class 0756, furnished without keys. Escutcheon 927 Lenox to be used with this lock, page 99.

Conforms to Federal Specification 192

Case: Cast iron.
Front: Cast bronze, flat.
Bolt: Cast bronze, ⅝ in. throw.
Strike: Cast bronze, No. 5.

packed: 1 per box



No. 02291R

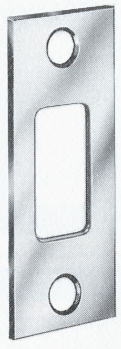
Sliding Door Lock
Sliding Display Case or Cabinet Doors

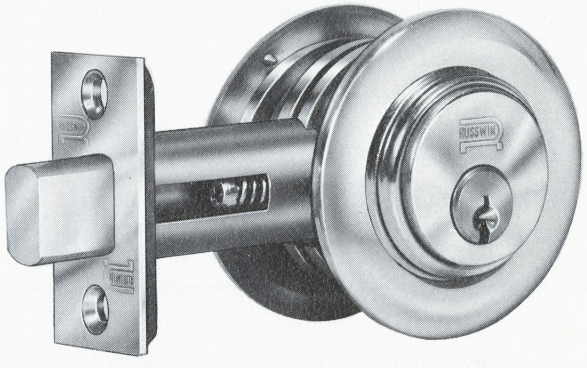
No. 02291R: Push in cylinder to lock. Use key to unlock.

Case: All brass, 2⅛ x 1⅛ in.
Bolt Throw: ¾ in.
Cylinder: 1⅛ in. in diam. for 1⅜ in. wood only.

packed: 6 per box

Cylindrical Deadlocks (Patents Applied For)





Reversible

Fits standard 161 door preparation.

Concealed screws.

Material:
Chassis — steel, M & T bronze plated
Dead Bolt — Extruded brass
Trim — Cast brass, bronze or aluminum

Backset: 2¾ in.

Bolt projection: ⅝ in.

Door thickness: 1⅜, 1¾, 2 and 2¼ in.
Regularly furnished for 1¾ in beveled doors, unless otherwise specified.

Front: Armored, Beveled ⅛ on 2 in.
Flat front available when ordered: Prefix F to number, i.e., F1403, etc.
Round Corner Armored front available: Prefix RC to number, i.e., RC1403, etc.

Strikes: No. 1425 — 2¼ x 1⅛ in., flat, regularly furnished (shown above).
No. 9J — ASA type, 4⅞ x 1¼ in., 1 in. lip to center.
Furnished only when ordered.

Master Ring Cylinder available: Change last digit in number from 3 to 6, i.e., 1406, etc.

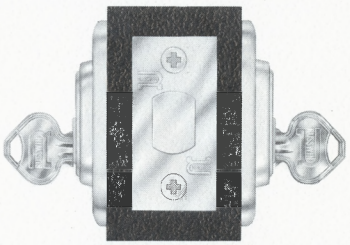
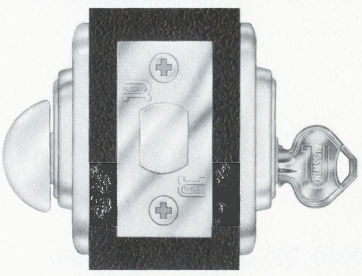
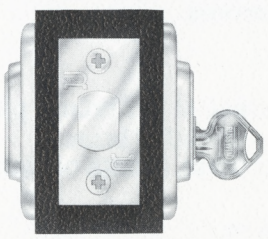
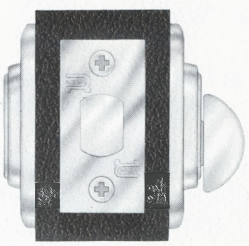
Cylinders: See page 154B

Functions: See page 154B

Finishes: US3, US10, US26, US26D, US28.

Miscellaneous and Auxiliary Locks

Cylindrical Deadlocks

Number	Operation	Illustration
1403½	By key from either side.	
1403	By key from outside and turnpiece inside.	
1403¾	By key from outside and turnpiece inside, turnpiece will retract deadbolt but will not project it.	
1403¼	By key one side only (opposite side blank).	
1403⅞	By turnpiece one side only (opposite side blank).	

Key Cylinders:

Number*		For Door Thickness, In.
Regular	Master Ring	
0½C	20½C	1⅜, 1¾
1C	21C	2
1½C	21½C	2¼

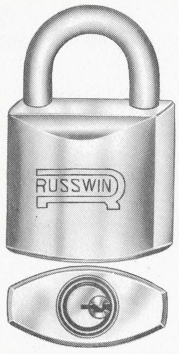
*These cylinders take special Cam No. 4.

Turnpiece Cylinders:

Number*		For use with Function:	For Door Thickness, Inches
For locks using Regular Cylinder	For locks using Master Ring Cylinders		
TO½C	T20½C	1403, 1403⅞	1⅜, 1¾
T1C	T21C	1403, 1403⅞	2
T1½C	T21½C	1403, 1403⅞	2¼
TPO½C	TP20½C	1403¾	1⅜, 1¾
TP1C	TP21C	1403¾	2
TP1½C	TP21½C	1403¾	2¼

*These turnpiece cylinders take special Cam No. 5.

Padlocks Extruded Brass — Self Locking Spring Shackle



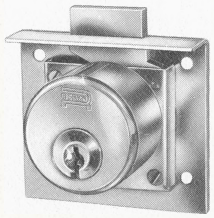
Number	Solid Brass Case, Inches		Shackle		Pin Tumblers	Weight, (Approx.) Lbs. Dozen
	Width	Height	Material	Height Opening		
2863	2	1¾	Brass	27/32 in.	6	12
2863A	2	1¾	Hardened steel, zinc plated	27/32 in.	6	12
2882	1¾	1 9/16	Brass	¾ in.	5	8⅝
2882A	1¾	1 9/16	Hardened steel, zinc plated	¾ in.	5	8⅝
2882AH	1¾	1 9/16	Hardened steel, zinc plated	2½ in.	5	9¾
2883	2	1⅝	Brass	13/16 in.	5	10⅜
2883A	2	1⅝	Hardened steel, zinc plated	13/16 in.	5	10⅜
2883AH	2	1⅝	Hardened steel, zinc plated	2 9/16 in.	5	11½

Masterkeying: Can be furnished masterkeyed in sets as desired with other Russwin locks, suffix ¼ to number when ordering. For large masterkeying systems, specify padlock 2863¼ MR or 2863¼ AMR as this lock only can be furnished with the master ring cylinder.

Can be furnished with 9 in. chain, suffix "C" to number. (Steel shackle will be furnished with steel chain; brass shackle with brass chain).

packed: 1 per box

Core Removable Cylinder: 2863 series padlocks are available with this feature which allows cylinder to be removed and replaced by another cylinder, making previously issued keys inoperative. A Control Key is furnished with each installation (in addition to the regular keys) by means of which removal and replacement of cylinder is accomplished. Not available with master ring cylinder. When ordering, prefix RC to number, i.e., RC2863¼, etc.



Nos. 0686R, 2686R

Drawer Locks

No. 0686R with regular cylinder.

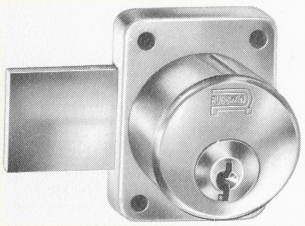
No. 2686R with master ring cylinder.

Furnished regularly without strike.

packing and weight (approx):
1 per box with screws, 6½ oz.

Bolt: 11/32 in. throw.
Case: All brass, 2 9/32 x 2 1/16 in.
Backset: 1 in.
Cylinder: 1⅜ in. in diam. for 1⅛ in. wood — can be furnished for 1⅜ in. wood when ordered (No. 2686R has master ring cylinder).
Finishes: US4, US10, US26, US26D.
Keys: 2 nickel silver keys, class 5D1.

Miscellaneous and Auxiliary Locks



Nos. 0764R, 2764R

Cupboard Locks

No. 0764R with regular cylinder.

No. 2764R with master ring cylinder.

Reversible Bolt shoots right or left for either hand door.

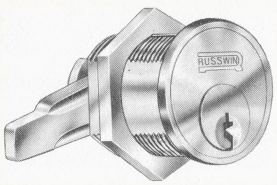
Furnished regularly without strike.

packing and weight (approx):
1 per box with screws, 6¾ oz.

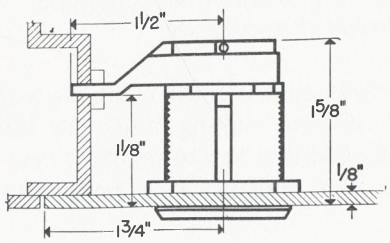
Bolt: 1 1/16 in. throw.
Case: All brass, 2 x 1½ in.
Backset: ¾ in.
Cylinder: 1⅜ in. in diam. for ⅞ in. wood — Can be furnished for 1⅛ or 1⅜ in. wood when ordered. (No. 2764R has master ring cylinder).
Finishes: US4, US10, US26, US26D.
Keys: 2 nickel silver keys, class 5D1.

Utility Locks, For Metal Doors On Show Cases, Cabinets, etc.

With Pin Tumbler Locking Mechanism, Not Reversible
Cast Bronze, Polished



No. 1722
Right Hand Shown



Cylinder: Head 1 11/32 inch diameter. Barrel 1 5/32 inch diameter with slabbed off sides. Threaded entire length.

Cam: 1½ inch center to end of cam. Cam furnished for either slotted strike or rubbing strip.

Backset: 1¾ in.

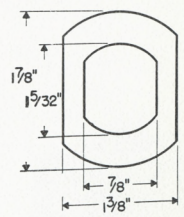
Finishes: US26, US26D, US10.

Operation: Operated by a full turn of the key. Cam is in horizontal position when locked.

Keys: 2 nickel silver keys, class 5D1. Can be furnished keyed alike in sets or all different. Can be master keyed with other locks having same class master key.

Weight: Approx. 9 oz. each.

No. 2702 assembly plate for spot welding furnished only when ordered. Its use allows cabinet manufacturer to drill round hole in door. Galvanized for chromium finish locks. Bronze plated for all other finishes.

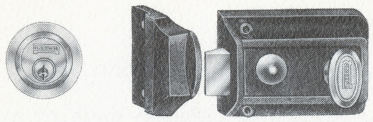


These locks can be furnished with ⅛ in. cylinder collars when it is desired to reduce the projection back of the metal.

Regularly furnished right hand. Left hand furnished only when so ordered.

packed: 1 per box

Rim Night Latches, Reversible, For Doors 1 to 2½ Inches Thick

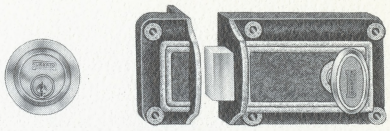


Nos. 1299, 2299

No. 1299 with regular cylinder.
No. 2299 with master ring cylinder.

Competitive type. By key outside and turn knob inside. Key outside holds bolt retracted until key is withdrawn, providing free hand operation of door. Bolt held retracted by stop button in case from the inside.

Conforms to Federal Specification 194



Nos. 1282, 2282

No. 1282 with regular cylinder.
No. 2282 with master ring cylinder.

Competitive type. Dead bolt by key outside, turn knob inside.

Conforms to Federal Specification 196

Rim night latches regularly furnished with rim strike. Cylinder collar is flush type which prevents tampering with cylinder; when reversed, allows installation on doors 1 in. thick.

Cylinder, Collar, Turn Knob: Polished brass US3 unless otherwise ordered.

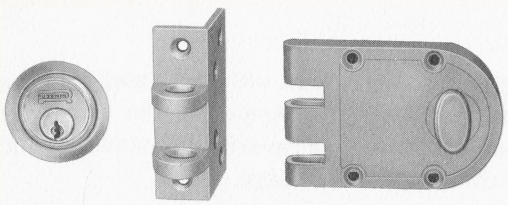
Finishes: Wrinkled black, WBL; gold brass, GBL; satin bronze, DBL; silver aluminum, SBL.

packed: 1 per box, 30 per case

Number	Cast Iron Case, In.	Backset, Inches	Cast Bronze Bolt, Throw, In.	Spring	Strike, Type*	Ball Bearing Cylinder No.†	2 Nickel-Silver Keys Class	Weight, Lb. (Approx.)
1299	2½ x 3⅝	2⅜	9/16	DC	1C	1190	5D1	1¾
1282	2½ x 3⅝	2⅜	⅝	DC	1C	1190	5D1	1 15/16

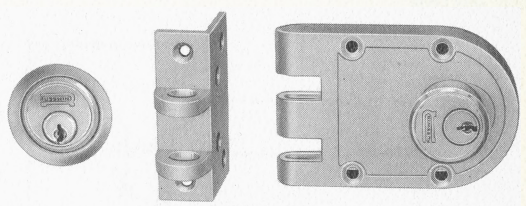
*Strike shown regularly furnished. If reverse bevel strike required, prefix RB to number. If flat strike required, prefix F to number.
†Cylinder No. 2290 with locks 2282, 2299.

Safety Rim Dead Locks, Reversible



No. 2266

Single cylinder. For entrance and store doors with solid panels. Pressure cast bolt with hardened steel inserts interlocks with strike to prevent forcing of lock. Dead bolt by key outside, turn knob inside.



No. 2266-12

Same as 2266 except has two cylinders, one outside and one inside, and no turn knob. Suitable for doors with glass panels. Dead bolt by key either side.

Applied to single doors opening in, double doors opening in, double doors opening out (lock is applied to inactive door) and double sliding doors.

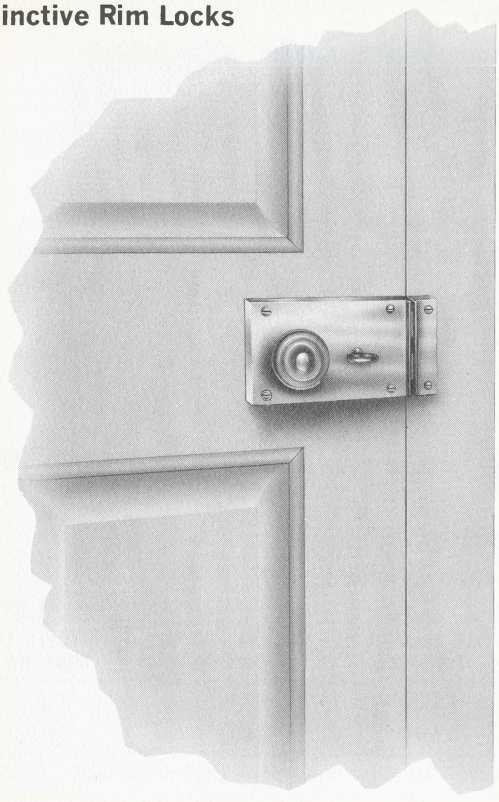
packed: 1 per box, 30 per case

Number	Pressure Cast Case, Inches	Backset, Inches**	Pressure Cast Angle Strike, In.	Cylinder Number		2 Nickel-Silver Keys Class	Weight, Lb. (Approx.)
				Outside	Inside		
2266	2⅞ x 4½ x ⅞	2⅝	3 3/16 x 1⅝ x 1	1190	....	5D1	2
2266-12	2⅞ x 4½ x ⅞	2⅝	3 3/16 x 1⅝ x 1	1190	175F73	5D1	2⅛

**Bolt housing projects ⅞ in. beyond edge of door.

Miscellaneous and Auxiliary Locks

Distinctive Rim Locks



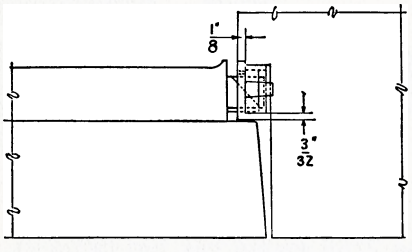
cast brass or bronze, cast iron

Our heritage from the Colonial days of our country's growth has been bountiful both in architectural ideas and in the construction of beautiful residental and public buildings. One outstanding feature of these buildings is the use of the brass rim locks which today are functioning in buildings centuries old.

Excellently proportioned for different size doors and beautiful in its simplicity of design, this type lock imparts a feeling of security with a gracious appearance that has no counterpart in other locking devices.

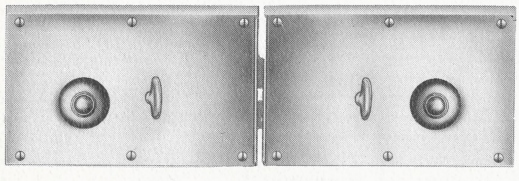
Russwin Rim Locks are carefully designed to carry out fully the appearance of their prototypes. In addition, without departing from tradition, these locks are now available with cylinder operation, thus combining the distinctive lock of the past with the highest security of the present.

Angle Strike



Single doors equipped with rim locks opening out require angle strikes. Angle strikes will be regularly furnished for reverse bevel locks applied to single doors. See conditions 3 & 4, page 160.

Dummy Trim



Rim Locks Used With Dummy Trim

Rim locks furnished with dummy trim are applied to pairs of doors. Apply rim lock to active leaf — apply dummy trim to inactive leaf. Dummy trim for rim locks consists of hollow rim lock case — no working parts — which serves as a strike for active lock. Specify outside trim desired. Locks not reversible. To order suffix ½ to lock number i.e. 4515½. Detail of door meeting rail and stile must be furnished when dummy trim is ordered.

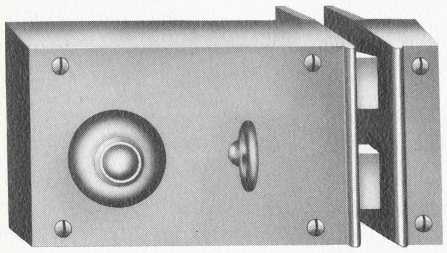
SPECIFY NUMBER, TRIM, HAND, DOOR THICKNESS AND FINISH

Trim consists of outside, inside knobs, cylinder collar and ½ pair roses.

Knobs shown for illustration proposes only — rim locks regularly supplied without trim.
Trim consists of outside, inside knobs, cylinder collar and ½ pair roses.

RUSSWIN

Cylinder Type



No. 4515
Not Reversible, Specify Hand

Operation: Latch bolt by knob either side, except when outside knob is locked by stop in front; then latch bolt by key only outside and by knob inside. Dead bolt by key outside and by turn piece inside.

Case: Cast brass or bronze, 5 x 8⅛ x 1⅛ in.

Backset: Front to cylinder, 2 3/16 in.; Front to knob, 6 1/16. in.

Knob: Not included (shown with Oglethorpe knob No. 2952¾, see page 87).

Hub: Brass, for ⅜ x 5/16 in. swivel spindle.

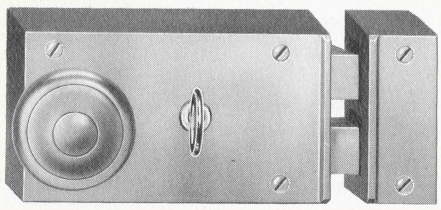
Strike: Box type, cast brass or bronze, 5 x 1⅛ x 1⅛ in.

Bolts: Cast brass, latch construction, type T.C.

Cylinder: One No. 106, 6 pins.

Master-Keying: Can be master-keyed in sets with other Russwin cylinder locks.

Cylinder Type



No. 4516
Not Reversible, Specify Hand

Operation: Latch bolt by knob either side. Dead bolt by key outside and by turnpiece inside.

Case: Cast brass or bronze 3¾ x 6½ x 1⅜ in.

Backset: Front to cylinder, 2¾ in.; Front to knob, 5 7/16 in.

Knob: Not included (shown with Brunswick knob No. 2952½, see page 85).

Hub: Brass, for 5/16 in. spindle.

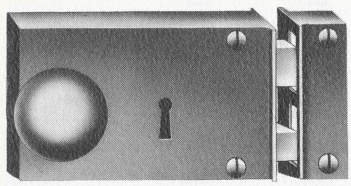
Strike: Box type, cast brass or bronze, 3¾ x 1½ x 1⅜ in.

Bolts: Cast brass; latch construction, Type T.C.

Cylinder: One No. 106, 6 pins.

Master-Keying: Can be master-keyed in sets with other Russwin cylinder locks.

Bit Key Type



No. 568
No. 268
Not Reversible, Specify Hand

Operation: Latch bolt by knob either side. Dead bolt by key either side.

Case: 3¼ x 5¼ x ¾ in.
No. 568, cast brass, polished finish US3.
No. 268, cast iron, satin black finish US19.

Backset: Front to key, 2¼ in.; Front to knob, 4⅜ in.

Knob: Not included (shown with knob No. 21482 Woburn, see page 93).

Hub: Brass, for 5/16 in. spindle.

Strikes: 3¼ x 1⅛ x ¾ in., box type.
No. 568, cast brass.
No. 268, cast iron.

Bolts: Cast brass, latch construction, Type T.C.

Tumblers: One, with 12 changes.

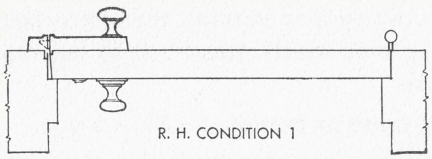
Key: No. 54¼, brass.

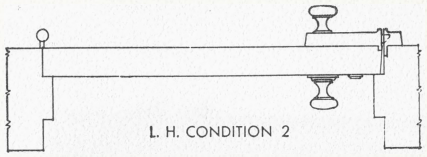
Suggested Finishes: US3 polished brass; US4 satin brass; US19 satin black lacquer.

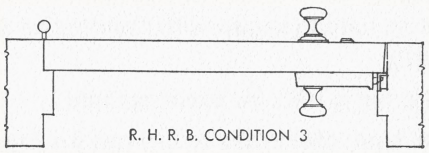
Miscellaneous and Auxiliary Locks

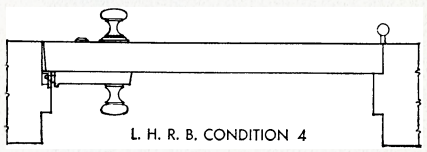
Hands Of Distinctive Rim Locks

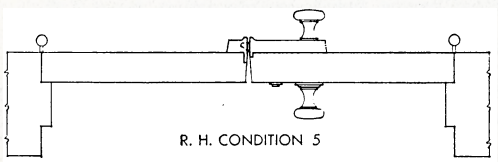
Classified according to conditions of application; specify condition number when ordering locks.

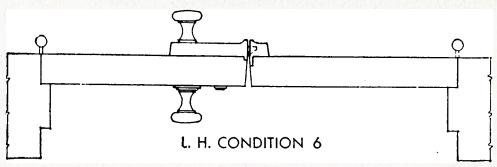

R. H. CONDITION 1

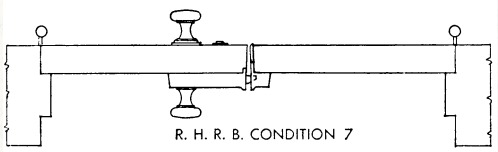

L. H. CONDITION 2

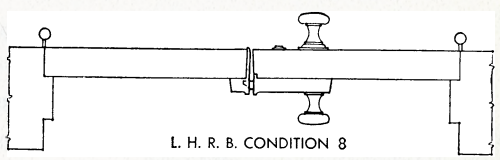

R. H. R. B. CONDITION 3

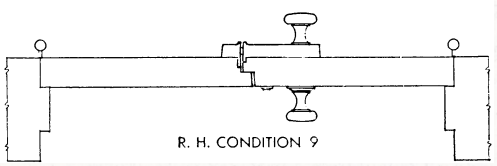

L. H. R. B. CONDITION 4

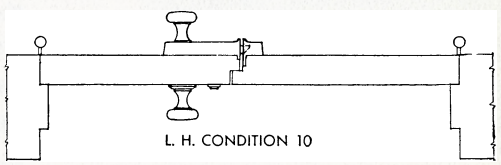

R. H. CONDITION 5

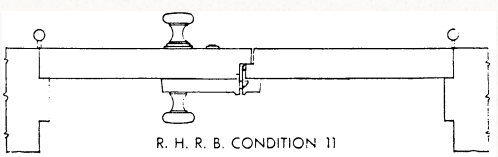

L. H. CONDITION 6

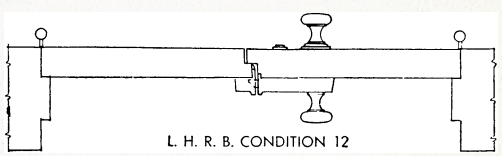

R. H. R. B. CONDITION 7

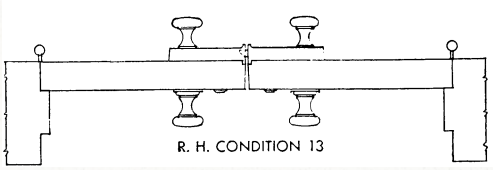

L. H. R. B. CONDITION 8

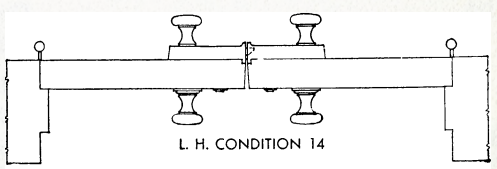

R. H. CONDITION 9

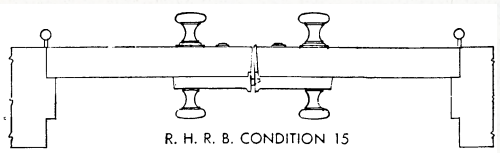

L. H. CONDITION 10

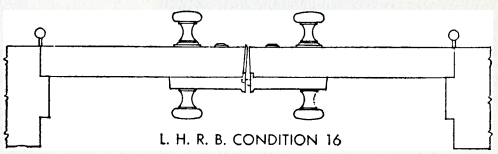

R. H. R. B. CONDITION 11

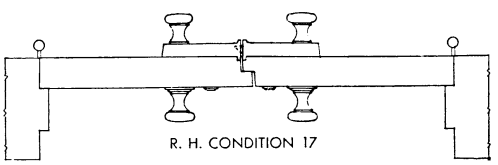

L. H. R. B. CONDITION 12

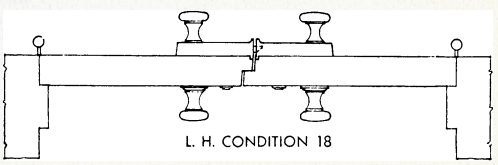

R. H. CONDITION 13

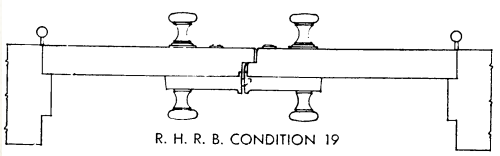

L. H. CONDITION 14

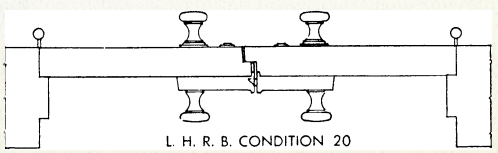

R. H. R. B. CONDITION 15


L. H. R. B. CONDITION 16

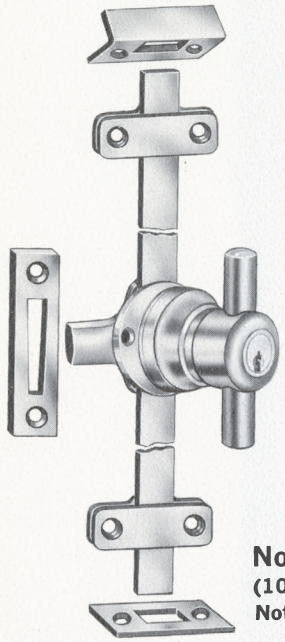

R. H. CONDITION 17

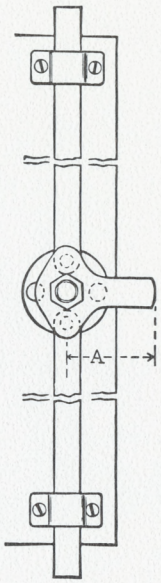

L. H. CONDITION 18

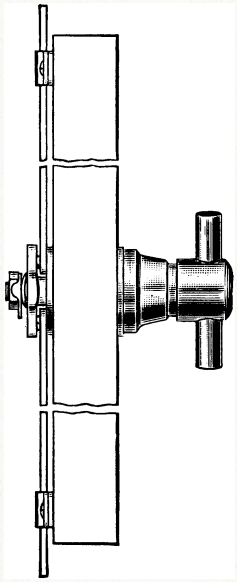

R. H. R. B. CONDITION 19


L. H. R. B. CONDITION 20

Triplelox Three-Point Lock — For Wood Doors Only, Opening Out







Nos. 1060, 1060⅝
(1060½ without key)
Not Reversible

Closet, Display Case, Cabinet, Pipe Or Wire Shaft Doors — With Pin-Tumbler Locking Mechanism

Special application without rods or guides furnished only to detail for metal doors; send detail of doors to factory before ordering.

Rods: Wrought steel, dead black finish, ⅛ x 9/16 in., length as ordered.

Bolts: Top and bottom bolts with ½ in. throw.

Cam: Tongue (A) 2 in. center of spindle to end of cam. When desired as a two-point bolt with top and bottom bolts only, tongue of cam can be cut off.

Master-Keying: Nos. 1060 and 1060⅝ can be master-keyed in sets by themselves when so ordered; cannot be master-keyed with other Russwin master-keyed cylinder locks.

Operation: No. 1060 top and bottom bolts and cam operated by a quarter turn of T-handle except when it is locked by key. Key can be withdrawn only when bolts are in locked position.

No. 1060½ top and bottom bolts and cam operated by a quarter turn of T-handle at all times. No key or locking mechanism.

No. 1060⅝ top and bottom bolts and cam operated by a quarter turn of T-handle except when it is locked by key. Key can be withdrawn when in either locked or unlocked position.

Rose: 1½ in.

T-Handle: 2¾ in.

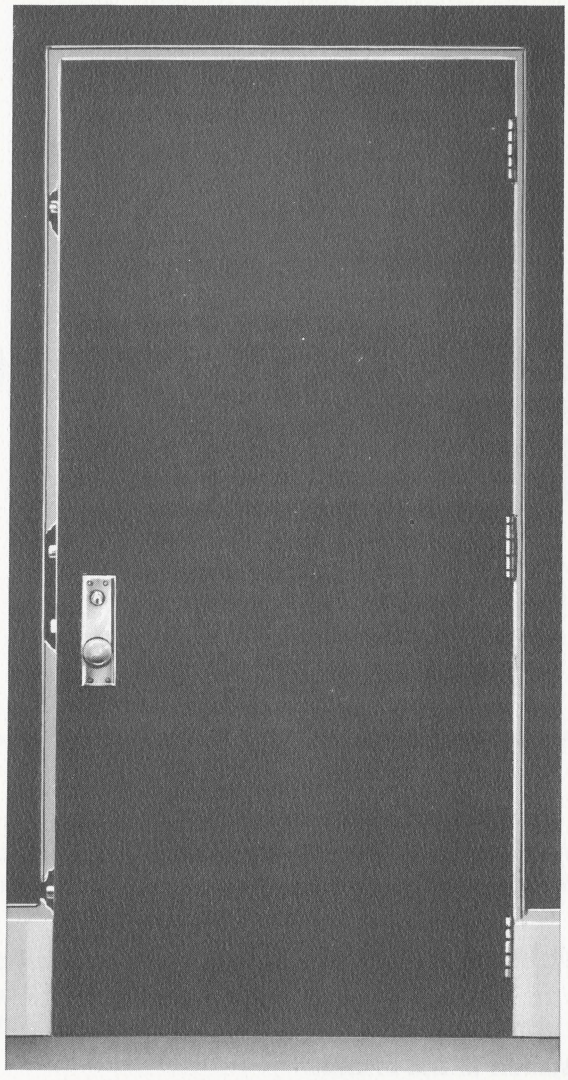
Cast brass or bronze, polished.

Lock Number	Projection, Inches
1060	1⅞
1060½	1⅞
1060⅝	1⅞

packed: 1 per box

Miscellaneous and Auxiliary Locks

Three-Point Locks For Hollow Metal Doors



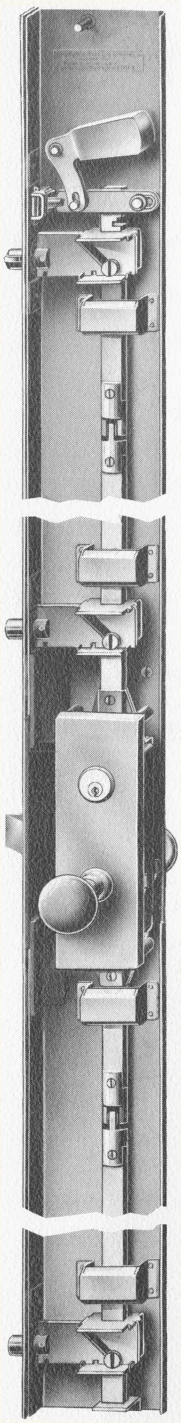
This device is made for use in all classes of hollow metal doors (A, B, C, etc.), and was designed to furnish protection in case of fires by preventing warping from heat, which might cause the door to open. The three bolts are distributed at intervals along the front edge of the door and together with the three (or more) steel hinges required for hanging this type of door, give at least six points at which the door is securely bolted to the frame. The shortness of the intervals between these joints and the fact that the bolts extend ¾ inch from the jamb, effectually prevent any possibility of the door becoming unfastened by warping through heat. The device has been examined and tested under the requirements of the National Board of Fire Underwriters by the Underwriters' Laboratories, and is included in the Underwriters' list of mechanical appliances.

All parts are mounted upon a steel unit plate and adjusted for use. Before shipment, each lock is examined and labeled under the direction of the Underwriters' Laboratories. In applying, the device is slipped into the hollow stile of the door and attached by eight machine screws in the edge of the door. The front of the lock, the three bolt heads and the trip are the only parts visible.

Three-Point Lock For Hollow Metal Doors — Not Reversible

No. 4000

No. 4001 same as No. 4000 but Without Key Operation



No. 4000

Operation by knob from either side. Key in cylinder outside locks outside knob and has no other function. All bolts are retracted simultaneously by knobs and are automatically projected by closing the door.

Case: Japanned iron, 5⅞ x 4¼ x ¾ in.

Backset: 3 in.

Spacing: 3⅜ in.

Front: Cast brass or bronze, polished, 8⅜ x 1¼ in., partly concealed so as to require only 2½ x 1¼ in. cut in edge of door.

Latch Bolt: Cast brass or bronze, polished; broad and heavy, 1¼ in. wide, ¾ in. throw.

Dead Bolts: Tool steel, galvanized.

Hub: Bronze, ⅜ in. swivel.

Cylinder: No. 1, cast brass or bronze.

Keys: 2 nickel-silver, class 5D1.

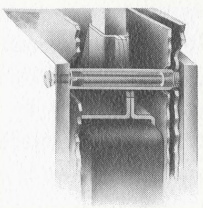
Master-Keying: Master-keyed in sets as desired with other Russwin master-keyed cylinder locks.

Box Strike: Lip, 1⅜ in. to center.

Knobs: 1 pair, cast brass or bronze, polished, 2½ in. diam.

Escutcheons: 2, cast brass or bronze, polished, 9 x 3¼ in.

packing and weights:
1 lock in a wooden box with screws, 38 lbs; knobs, escutcheons, strikes, etc., for one lock in a separate carton



The screws which fasten the escutcheons to the door enter tubes which reach from one side of the interior to the other, preventing any bending of the metal stile when the screws are tightened.

Three-Point Unit

Assembly plate and parts wrought steel, galvanized.

Assembly Plate: 6 ft. 5 in. x 4¼ x 1⅜ in.

Dead Bolts: Center and bottom ¾ in. dia. ¾ in. throw; top with anti-friction roller, ¾ in. dia., ¾ in. throw.

Center of top bolt to center of center bolt.*

Center of center bolt to center of bottom bolt 36 in.

Center of center bolt to center of latch bolt 7½ in.

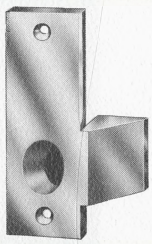
Unless otherwise ordered, furnished with knob 39 in. from bottom of door.

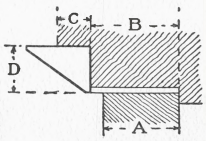
*Position of bolts based on height of doors, i.e.,

Door Height, Inches	C. to C., Center Bolt to Top Bolt, In.
76 to 78 15/16	14
79 to 81 15/16	17
82 to 88 15/16	20
89 to 103 15/16	27
104 to 113 15/16	42
114 to 120	52

STILE SHOULD NOT BE LESS THAN 5 IN. WIDE

Strikes





Strike For Top Bolt and Trip

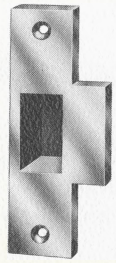
In ordering state thickness of door (A) and recess (B).

If with trim state "C" and "D". If desired without trim, specify "C and D, none".

At additional price when required to meet unusual conditions.



Strike For Center And Bottom Bolts



Strike For Latch Bolt

Optional Lever



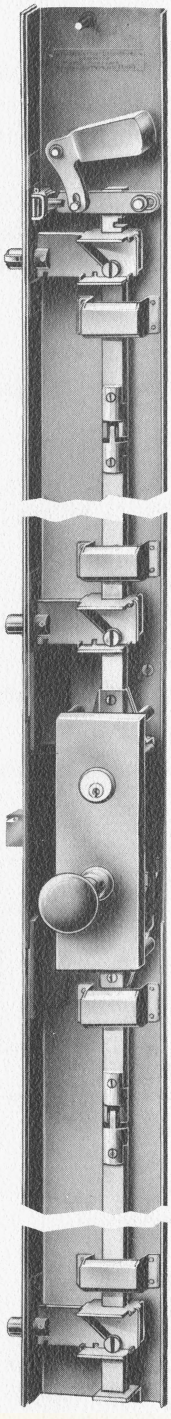
No. 2128 Lever Length 4¼ In.

Can be furnished in place of door knobs with 4000 and 4001 type 3-point locks, when so ordered.

SPECIFY NUMBER; FINISH; HAND, BEVEL, THICKNESS AND HEIGHT OF DOOR; WIDTH OF STILE AND FURNISH DETAIL SECTION OF SIDE JAMB AND STILE.

Miscellaneous and Auxiliary Locks

Three-Point Lock For Hollow Metal Doors — Not Reversible



No. 4003

No. 4003

With Automatic Exit Push Bar Inside

Operation: By knob from outside and exit push bar inside. Key in cylinder outside locks outside knob and has no other function. All bolts are retracted simultaneously by knob or exit bar and are automatically projected by closing the door. Exit push bar inside is always operative.

Installation is the same as for No. 4000, page 163. Strikes are the same as those supplied with lock No. 4000.

Case: Japanned iron, 5⅞ x 4¼ x ¾ in.

Backset: 3 in.

Spacing: 3⅜ in.

Front: Cast brass or bronze, polished; 8⅜ x 1¼ in., partly concealed so as to require only a 2½ x 1¼ in. cut in edge of door.

Latch Bolt: Cast brass or bronze, polished; broad and heavy, 1¼ in. wide, ¾ in. throw.

Dead Bolts: Tool steel, galvanized.

Hub: Bronze, ⅜ in. swivel.

Cylinder: No. 1, cast brass or bronze.

Keys: 2 nickel-silver, class 5D1.

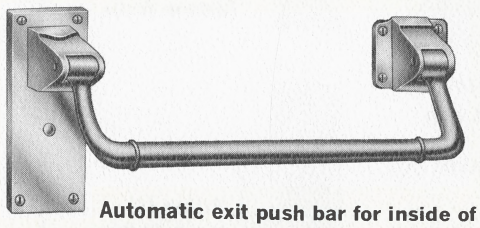
Master-Keying: Master-keyed in sets as desired with other Russwin master-keyed cylinder locks.

Box Strike: Lip, 1⅜ in. to center.

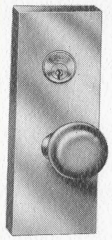
Knob: 1, cast brass or bronze, polished, 2½ in. diameter.

Escutcheon: 1, cast brass or bronze, polished, 9 x 3¼ in.

packing and weights:
1 lock in a wooden box with screws, 44 lb; exit bar, knob, escutcheon, strikes, etc., packed separately.



Automatic exit push bar for inside of door.
Horizontal bar 1 in. tubing.
Brackets 9 x 3¼ in. and 2½ x 2⅞ in.
Not available on lock No. 4002, page 165.



Knob And Escutcheon For Outside Of Door

Three-Point Unit

Assembly Plate and Parts Wrought Steel, Galvanized

Assembly Plate: 6 ft. 5 in. x 4½ x 1⅜ in.

Dead Bolts: Center and bottom ¾ in. diameter, ¾ in. throw.

Top bolt with anti-friction roller ¾ in. dia., ¾ in. throw.

Center of top bolt to center of center bolt.*

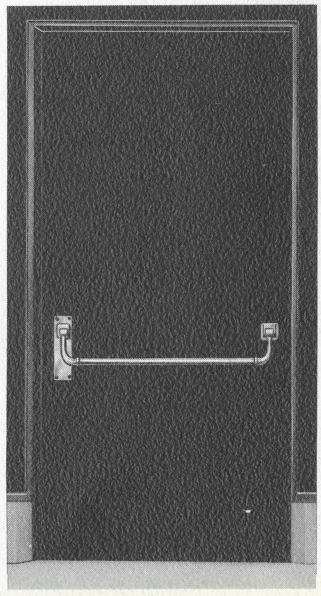
Center of center bolt to center of bottom bolt 36 in.

Center of center bolt to center of latch bolt 7½ in.

*Position of bolts based on height of doors, i.e.,

Door Height, Inches	C. to C., Center Bolt to Top Bolt, In.
76 to 78 15/16	14
79 to 81 15/16	17
82 to 88 15/16	20
89 to 103 15/16	27
104 to 113 15/16	42
114 to 120	52

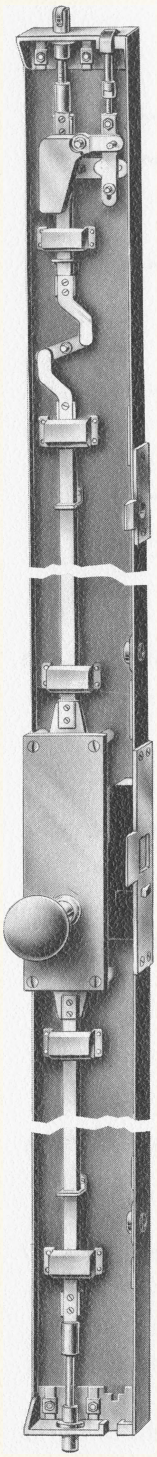
STILE SHOULD NOT BE LESS THAN 5 IN. WIDE.



SPECIFY HAND, BEVEL, THICKNESS AND HEIGHT OF DOOR; WIDTH OF DOOR AND STILE AND FURNISH DETAIL SECTION OF SIDE JAMB AND STILE.

Two-Point Lock For Hollow Metal Doors — Not Reversible

No. 4002



Operation: By knob from either side when active door is open. Both bolts are retracted simultaneously by knobs and are automatically projected by closing the door. The trip in face of lock automatically locks both knobs making them inoperative when both doors are closed.

Case: Japanned iron, 5⅞ x 4¼ x ¾ in.

Backset: 3 in.

Front: Cast brass or bronze, polished, 8⅜ x 1¼ in. with lip to act as strike for **No. 4000** three-point lock on active door.

Dead Bolts: Tool steel galvanized.

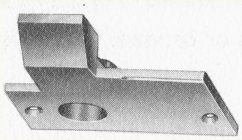
Hub: Bronze, ⅜ in. swivel.

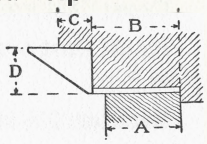
Knobs: 1 pair, cast brass or bronze, polished, 2½ in. diam.

Escutcheons: 2, cast brass or bronze, polished, 9 x 3¼ in.; attached with machine screws and tubes the same as **No. 4000** lock.

packing and weights:
1 in a wooden box with screws, 40 lb; knobs, escutcheons, strikes, etc., for one lock in a separate carton

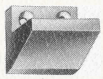
Strike For Top Bolt and Trip





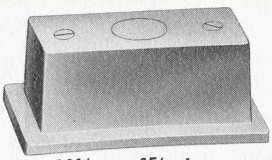
In ordering state thickness of door (A) and recess (B).
If with trim state "C" and "D". If desired without trim, specify "C and D none".
At additional price when required to meet unusual conditions.

Safety Strike



For use when regular top strike is omitted and metal door manufacturer cuts bolt holes in channel iron trim. Operates bolts in case they have been accidentally projected when door was open.

Bottom Strike



1 11/16 x 4 5/16 in.
Depth Over All 2 in.

Dust proof with iron box for cement or tile floors. Furnished without iron box for wood floors when so ordered.

Two-Point Unit

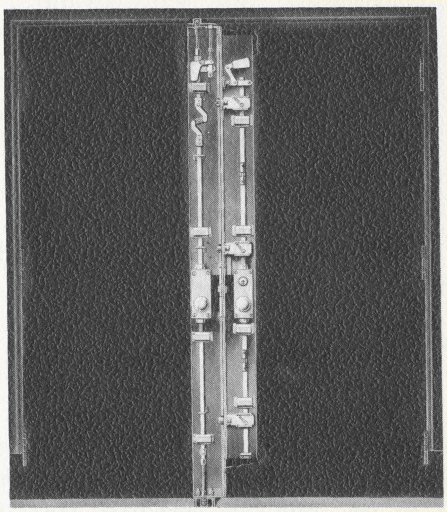
Assembly Plate And Parts
Wrought Steel, Galvanized

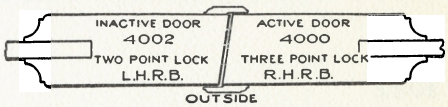
Assembly Plate: 4½ x 1⅜ in. By length to suit height of door.

Bolts: Top and bottom bolts ¾ in. dia., ¾ in. throw.

Top bolt with anti-friction roller. Unless otherwise ordered, furnished with knob 39 in. from bottom of door.

STILE SHOULD NOT BE LESS THAN 5 IN. WIDE





Parallel Bevel Shown
V Bevel Also Available

Not Reversible

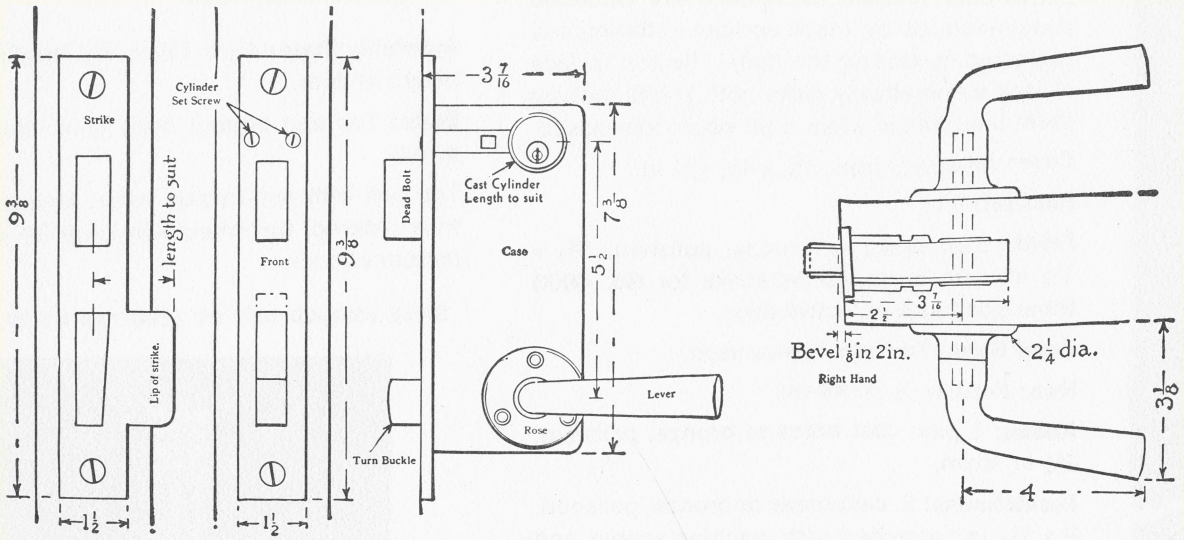
Applied to inactive leaf of double doors, the two-point lock acts as the strike for **Nos. 4000** and **4003** three-point lock on active door. The use of door checks is recommended on doors fitted with two-point locks. Co-ordinating device is required by Underwriters' Laboratories for pairs of doors to allow inactive door to close first (see **No. 4369-9** page 212). Regularly furnished. This lock is not available with exit push bar.

SPECIFY HAND, BEVEL, THICKNESS AND EXACT HEIGHT OF DOOR, WIDTH OF STILE AND FURNISH DETAIL SECTION OF SIDE JAMB AND STILE.

Miscellaneous and Auxiliary Locks

Mortise Cylinder Turnbuckle Locksets

Sound-Deadening Doors In Radio Stations, Hospitals, etc.
Cast Brass Or Bronze, Not Reversible



By use of lever handle the turnbuckle is forced into slot in strike. The slot in strike is tapered to draw and hold the door tightly without play.

Operation

No. 3021
Turnbuckle S8918 with one cylinder. Turnbuckle operates by lever handles from either side. Dead bolt operates by key from one side only. Furnished complete with one pair lever handles 2132 x roses 3112¼.

No. 3022
Turnbuckle S8918½ with two cylinders. Turnbuckle operated by lever handles from either side. Dead bolt operated by key from either side. Furnished complete with one pair lever handles 2132 x roses 3112¼.

No. 3023
Turnbuckle S8918¼ with one cylinder and one thumb knob. Turnbuckle operated by lever handles from either side. Dead bolt operated by key from outside and by thumb knob from inside. Furnished complete with one pair lever handles 2132 x roses 3112¼ and one 070 thumb knob.

Specifications

Case: Cast iron japanned, 7⅜ x 3 7/16 x ⅞ in.

Front: Cast brass or bronze, 9⅜ x 1½ in., beveled ⅛ in. in 2 in.

Backset: 2½ in.

Spacing: 5½ in. center of hub to center of cylinder.

Door Thickness: 1¾ in. minimum.

Turnbuckle: Cast bronze, ⅝ in. throw.

Deadbolt: Cast bronze, 11/16 in. throw.

Hub: ⅜ in.

Cylinders: Cast brass or bronze No. 1. (Not available with master ring cylinders)

Keys: 2 class 5D1 keys to each lock.

Lever: No. 2132 cast brass or bronze, 4 in. center of spindle to end of lever; ⅜ in. spindle, 3⅛ in. projection.

Rose: No. 3112¼, cast brass or bronze. 2¼ in. diam.

Thumb Knob: No. 070 cast brass or bronze 1¼ in. diam. 3/16 in. spindle.

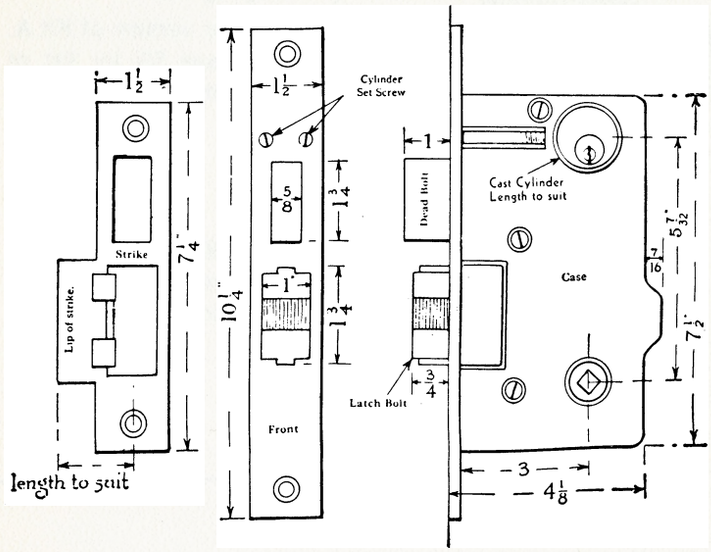
Strike: 9⅜ x 1½ in., brass or bronze; length of lip to suit. (Not available with either cast or wrought box)

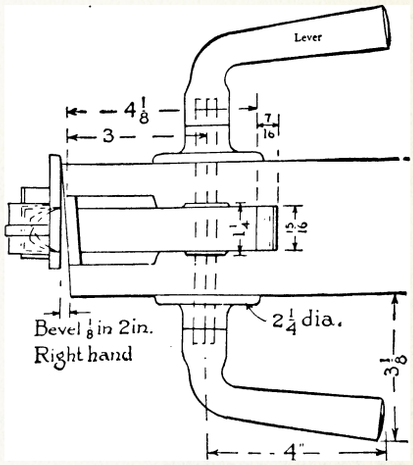
packing: 1 set per box with screws

STATE HAND AND THICKNESS OF DOOR AND FURNISH DETAIL SECTION OF DOOR AND JAMB.

Mortise Cylinder Locksets with Master Ring Cylinders

Sound-Deadening Doors In Radio Stations, Hospitals, etc.
Cast Brass or Bronze, Not Reversible





Operation

No. 3001: Lock S9438 with one cylinder. Latch bolt operated by lever handle from either side. Dead bolt by key from one side only. Furnished complete with one pair levers 2132 x roses 3112¼.

No. 3002: Lock S9438½ two cylinders. Latch bolt operated by lever handle from either side. Dead bolt operated by key from either side. Furnished complete with one pair lever handles 2132 x roses 3112¼.

No. 3003: Lock S9438¼ with one cylinder and one thumb knob. Latch bolt operated by lever handles from either side. Dead bolt operated by key from outside, and thumb knob from the inside. Furnished complete with one pair lever handles 2132 x roses 3112¼ and thumb knob 070.

No. 3000: Latch S9438L without dead bolt or cylinders. Latch bolt operated by lever handles from either side. Furnished complete with one pair lever handles 2132 x 3112¼ roses.

Specifications

Case: Cast bronze, 7½ x 4⅛ x 15/16 in.

Front: Cast brass or bronze, 10¼ x 1½ in., beveled ⅛ in. in 2 in.

Backset: 3 in.

Spacing: 5 7/32 in.

Door Thickness: 1¾ in. minimum.

Latch Bolt: Cast bronze anti-friction type with composition center dog; ¾ in. throw.

Dead Bolt: Cast brass or bronze, 1 in. throw.

Hub: Gun metal, ⅜ in.

Cylinders: Cast brass or bronze, No. 20½ master ring cylinder.

Keys: Two class 5D1 to each lock; can be master keyed in sets with other Russwin master keyed locks.

Lever: No. 2132 cast brass or bronze, 4 in. center of spindle to end of lever; ⅜ in. spindle, projection 3⅛ in.

Rose: No. 3112¼, cast brass or bronze, 2¼ in. diam.

Thumb Knob: No. 070 cast brass or bronze. 1¼ in. diam. 3/16 in. spindle.

Strike: Cast brass or bronze, 7¼ x 1½ in., with composition inserts; length of lip to suit. (Available with cast box when so ordered, not available with wrought box.)

packing: 1 set per box with screws

Cylinders

Keying Kit A consists of the following items:
Tru-Arc Plier No. 22
Tru-Arc Plier No. 23
Follower CT24
Tweezer
Waldes Ring Assortment
Slide
Crowned Ball End Pin Assortment
Master Pin Assortment
Crowned Tumbler Pin Over Ball Assortment
Springs
Flat Spool Drivers
Ball Bearings
Complete keying instructions packed with each kit. Container is made of metal, cover is hinged and equipped with fastener.



Keying Kit A

Other Kits:

Keying Kit B
Smaller version of Kit A. See page 59 for list of contents.

Keying Kit 1-271-A
For keying of Executive series locksets. See page 68.

Keys And Their Operation

The following information applies to both Russwin cylinder and bitted key locks, but is restricted to those locks described as adapted to the various key systems. See next page for additional information relative to the keying of Russwin locks.

Guests', or Change Key
Operates only the lock to which it is fitted.

Master, or Maids' Master Key
Operates one group of locks.

Grand Master Key
Operates a number of groups of locks, each group being under control of a **master** key.

Great Grand Master Key
(Used only with Cylinder locks.) Operates a number of groups of locks. Also operates groups having different keyways and under the control of a **grand master** key. See **multiplex system,** page 169.

Display, or Individual Guard Key
(Used only with Cylinder locks.) A **guests'** key so constructed that it makes inoperative the **maids' master** and **grand master** keys. Only the **emergency** key will then operate. It is designed for rooms requiring special protection and assures security against any key except the **emergency** key.

Emergency Key
(Used only with Cylinder locks.) Operates any lock in the system which has been locked by the **guests', maids' master, grand master,** or **display** keys and in addition will operate when bolt is thrown from the inside. This key can also be used to make inoperative all keys except the **display** key.

Custodian's Master Key
(Used only with Cylinder locks.) A **master** key used for the purpose of setting the stop-work through the inside cylinder on locks as Nos. 2159½, 2187½, 1068½, A2058½, A2068½ and 2952½.

Maison System
(Used only with Cylinder locks.) Under the **maison** system one or more locks are subject to the keys of other locks in the building. As used in apartment house work the keys to the locks of the various apartments are all different, but each one acts as a master key upon the entrance door lock. Locks ordered for the entrance doors or any other lock made subject to the keys of other locks under the **maison** system should be specified, figured and ordered **"grand master keyed"** (symbol GM).

Maison Master System
(Used only with Cylinder locks.) Identical with the **maison** system, except all of the locks are subject to a general **master** key.

Keying Of Russwin Locks

RUSSWIN locks are of two general types, **cylinder** and **bitted key.** Any cylinder lock having cylinders shown in this section is adaptable to any of the following systems, subject to the limitations noted under the heading of each. Bitted key locks, as noted in connection with the individual lock and also the table of master-keyable bitted key locks, page 179, are adaptable to systems Nos. 1 and 2. Russwin cylinder locks are **master-keyed** and **grand master-keyed** without the use of a supplemental cylinder. Both **regular** and **master-keyed cylinders** are interchangeable in the same lock.

No. 1 — RUSSWIN Master Key System: Under this system, all locks although having keys all different are subject to one general key known as a **master key.** The symbol "M" should be suffixed to lock numbers when ordered to be **Masterkeyed.**

No. 2 — RUSSWIN Grand Master Key System: Under this system, a group of locks having keys all different are subject to a sub or floor master key — (in hotel work known as maid's master) and all of the locks in two or more groups are subject to one general key known as a **Grand Master Key.** The symbol "GM" should be suffixed to lock numbers when ordered to be **Grand Master-keyed.**

No. 3 — RUSSWIN Emergency Master Key System: Under this system, one or more groups of **master-keyed** and **grand master-keyed locks,** as used on corridor doors, are also made subject to one general key known as an **emergency key.** This system can only be used in connection with locks to which the **emergency master key** Symbol "EM" or "HM" has been suffixed to the lock number. Locks which have this symbol are so constructed that when locked on the inside the **emergency key** only will operate. The **emergency key** may also be used to throw the mechanism in these locks out of contact with all other keys, thereby placing the locks under the control of the **emergency key.** Locks of this type are used almost exclusively in hotel work, and the **emergency key** above described is usually held by the resident manager, to be used by him only as the occasion demands.

No. 4 — Maison System: Under this system, one or more locks are subject to the keys of the other locks in the building. For example: For apartment house work: The keys to the locks of the various apartments are all different, but the lock on the main entrance door is arranged to be operated by the keys for the several apartment locks, making it possible for a tenant to reach and enter his apartment by the aid of his one key. In ordering the lock to be used on the entrance door it should have the **grand master key symbol** "GM" suffixed to the number. If all other locks are to be master-keyed, the symbol "M" should be suffixed to lock number.

No. 5 — Maison Master Key System: This system is identical with the **maison system No. 4** except that all of the locks are subject to a **general master key** and are so indicated by the symbol "M" suffixed to the lock numbers and "GM" to entrance door lock number.

No. 6 — Multiplex System: Applicable to cylinder locks listed with **D** and **H** or **No. 981** and **No. 961** keyways only, but having cylinders with special keyways. In addition to Russwin cylinders having these keyways, we have other cylinders which have keys with different cross sections, such as the **No. 752** keyway. These special cross sections are so constructed that the change, master or grand master key of cylinders with one cross section will not enter the keyway of any cylinder with another cross section. The cylinders of each individual cross section may be master-keyed and grand-master keyed as described in any of the systems above mentioned. In addition a great grand master key can be furnished if required, to pass any or all of the special cross sections which may be used in any one keyway series.

The **multiplex system** is especially adapted for use in large buildings or institutions of any kind where the locks are all set up by floors, wards, dormitories, buildings or groups of buildings, and where the keys of any one group must be different and made so that they will not enter the keyway of another group.

No. 7 — Simplex System: This term is applied to a **master** or **grand master keyed-system** wherein the standard **No. 5D1** and **No. 6D1** keyway is used with all cylinders.

Cylinder Collars

G or H cylinder ring supplied with all mortise locks unless otherwise specified.



No. G, Type of H Adjustable



No. R1290



No. A Type of B, D



No. K Type of F, J

Number	Description
G	Wrought, adjustable: 1/16-3/16 in.
H	Wrought, adjustable: 3/16-5/16 in.
R1290	Wrought, plain: used with 1190 and 1290 cylinder, 1/8 in.
A	Wrought, adjustable: 5/16 in. when depressed
B	Wrought, adjustable: 1/4 in. when depressed
D	Solid cast—not adjustable—5/16 in.
K	Solid cast ring, 3/16 in.
F	Solid cast ring: 1/8 in.
J	Solid cast ring: 5/16 in.

For Master Ring Cylinder



No. T



No. L Type of M



No. P Type of S

Number	Description
T	For cylinder 2290
L	Wrought—1/8 in.
M	Wrought—1/4 in.
P	Wrought—1/4 in. (adjustable: 3/16-5/16 in.)
S	Wrought—11/32 in. (adjustable: 3/16-5/16 in.)

Cylinders

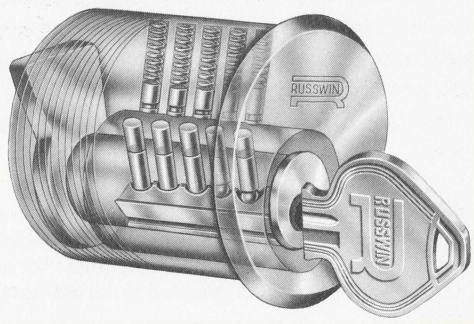
Comparison of Standard and Master Ring Cylinders

Master Ring Cylinder

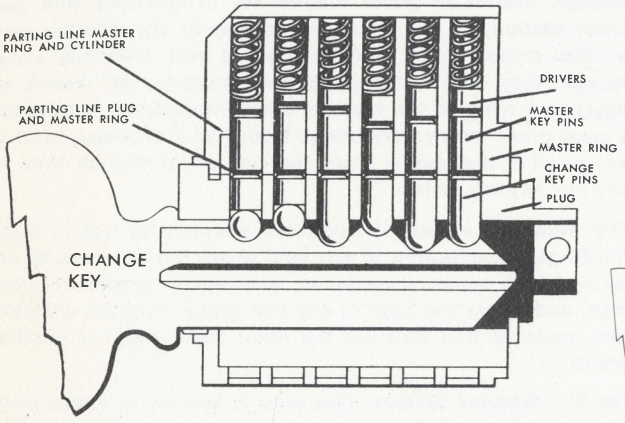
You get maximum security and expansion with the Russwin Master Ring Cylinder. (Accomplished through unique "2 in 1" cylinder design.) This precision cylinder affords full security control from room to room, or throughout an entire complex of buildings. Cylinder ball bearings reduce wear and maintenance.

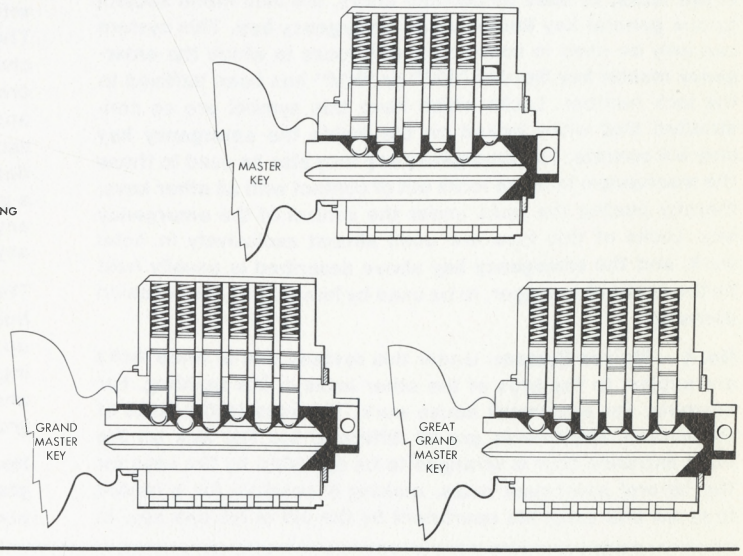
Recommended for use on installations requiring large masterkeying systems such as hospitals, universities, apartment houses, hotels, etc.

Rotation of the plug alone of the master ring cylinder is effected only by the change key. The master ring is rotated by the master key only. When the master key is inserted the master pins are flush on the master ring parting line. At the same time these pins lock the plug and master ring together so that the master key now rotates the plug and master ring as a unit.

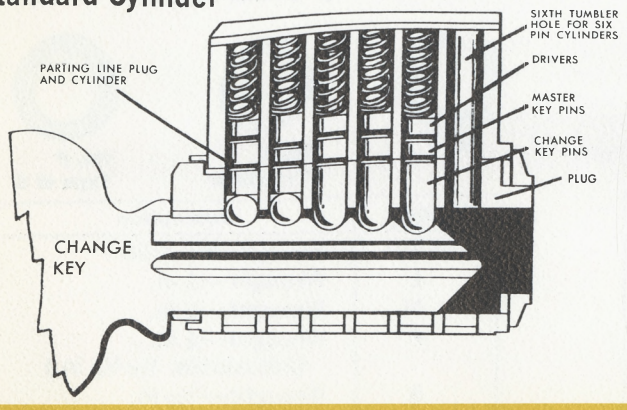


The selection of change key cuts does not have any relation to the cuts on the master key. Since this is so, a greater number of change keys may be selected. Master key pins and grand master key pins are selected with relation to each other but are independent of the change key combinations.





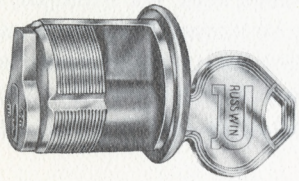
Standard Cylinder



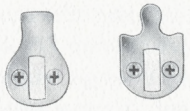
Rotation of the plug of a standard cylinder is effected by the change key pins being flush at the parting line and by the master key pins being flush also on this parting line. This is accomplished by selecting cuts on the change and master keys so that when the keys are inserted the plug will rotate. This selection is limited due to the diameter of the plug and definitely limits the quantity of combinations of key changes that may be used in any given system. This becomes more complicated when the cylinder is grand master keyed — since the change, master and grand master keys are all selected with definite relation to each other.

Cylinders, Cast Brass, Ball Bearing 1 5/32 in. diam.

Mortise Lock Cylinders



Cams:

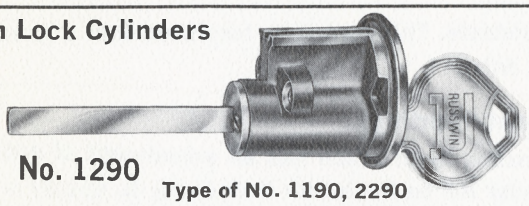


No. 1 No. 11

Number With Cam		Pins*	Length, Inches
No. 1	No. 11		
0	110	5	1
0½	110½	6	1⅛
1	111	6	1¼
1½	111½	6	1⅜
2	112	6	1½
3	113	6	1¾
4	114	6	2
5	115	6	2¼
6	116	6	2½
13	1113	6	2¾
14	1114	6	3
100†	11100†	5	15/16
100½†	11100½†	6	1⅛
101†	11101†	6	1¼
102†	11102†	6	1½

*Nos. 1 thru 6 and 111 thru 1114 also furnished 7 pins when required.
†These cylinders with plug only to show.

Rim Lock Cylinders

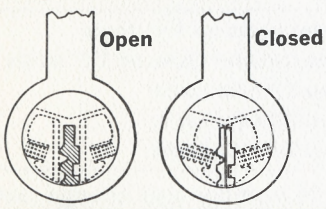


No. 1290

Type of No. 1190, 2290

Number	Pins	Description
1190	5	Night latch
1290	6	Night latch
1248	..	Turn piece attachment
2290	6	Master ring cylinder for lock 2282, 2299

Dust-Proof Shutters



Dust-proof shutters can be furnished with all standard and master ring cylinders. They are pushed back when key is inserted and automatically close when key is withdrawn. To order, prefix DP to number, i.e., No. DP1, etc.

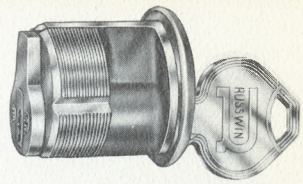
Small cylinders with "U" keyway cannot be furnished with these shutters.

Dummy Cylinders

Are applied to cylinder escutcheon plates when they are to be used as "dummy" or double trim. When ordered with escutcheon, prefix D to number of escutcheon.

Master Ring Cylinders

1½ in. diam.

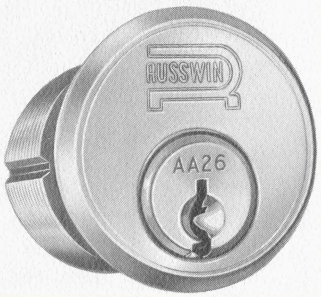


Number	Length, In.	For Mortise Locks
20	1	01206 to
20½	1⅛	01206¾
21	1¼	(No. 20
21½	1⅜	furn. reg.)
22	1½	
23	1¾	3001 to
24	2	3003
25	2¼	(No. 20½
26	2½	furn. reg.)
29	2¾	

Number	Length, In.	For Mortise Dead Locks
0-T	1	1210 to
0½-T	1⅛	1210¾
1-T	1¼	(No. 1-T
1½-T	1⅜	furn. reg.)
2-T	1½	
3-T	1¾	
4-T	2	
5-T	2¼	
6-T	2½	
9-T	2¾	

Number	Length, In.	For Exit Bolt Mortise Locks
31	1¼	A3658,
31½	1⅜	A3659
32	1½	(No. 31
33	1¾	furn. reg.)
34	2	
41	1¼	A3658½,
42	1½	A3659½
43	1¾	(No. 41
44	2	furn. reg.)

Cylinders



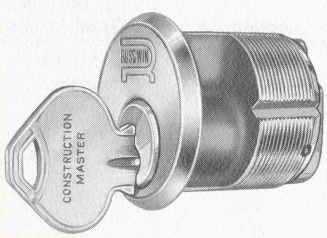
Cylinders For Visual Key Control System

This system offers control not previously available in keying systems. It consists of stamping the key code on the cylinder and on its respective keys. For example, the AA26 shown on the cylinder at left identifies the lock to be subject to Grand Master Key A, Master Key A and has key change 26. A key bitting list will be furnished with each job which indicates the key change beside each key code number, i.e., AA26-34561. In the event a key is lost, it can easily be replaced by referring to the key bitting list.

When Visual Key Control is required, specify "Furnish Visual Key Control — stamp keys and cylinders".

Can also be furnished with keys only stamped with key code, specify "Furnish Visual Key Control — stamp keys only".

See page 178 for illustration of key.

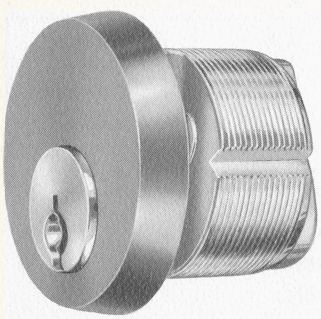


Construction Master Key (Patented)

The RUSSWIN construction master key was developed to supply the extra security needed in the transition from "construction" to "completion" of a building or buildings. This key will operate all Russwin cylinders (except U type) while the building is under construction, but will NOT operate once the regular change keys have been used in the cylinders. **THIS IS ACCOMPLISHED WITHOUT REMOVAL OF THE CYLINDERS FROM THE LOCKS.**

When ordering, insert the letter C after letters MK, i.e., 540MKC Unity, etc. Order should indicate a number for each cylinder lock (numbered in sequence, starting from 1) to assure proper control of the keys and also the names of individuals to whom the Construction Master Key and the Regular Master and Service keys should be sent.

Sample cylinder **No. S4851** is available. This sample is furnished with a re-setting tool for demonstration purposes only.



Flexible Head Cylinders (Patent Pending)

These cylinders have a spring loaded head which has an adjustment of approximately 1/16 in. thus assuring cylinder will be flush with door (a 5/32 in. spacer is provided with each cylinder to be used as needed, i.e., with 2 cylinder locks and 1 cylinder locks on 1⅜ in. doors).

For use with Sectional Trim only.

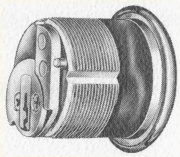
Available only for door thicknesses as listed in table below.

Cylinder Number		Length,* Inches	Max. Pins	Door Thickness, Inches	For Locks:
#1 Cam	#11 Cam				
61001	61002	1	6	1⅜ or 1¾	One Cylinder Locks on 1⅜" doors One or Two Cylinder Locks on 1¾" doors
61181	61182	1⅛	6	2	One or Two Cylinder Locks
71141	71142	1¼	7	2¼	One or Two Cylinder Locks
71381	71382	1⅜	7	2½	One or Two Cylinder Locks

When Master Ring Cylinders are required, prefix MR to number and change last digit to 3, i.e., MR61003, etc. (Cam No. 121F01 furnished with master ring cylinders).

*Length of cylinder under head.

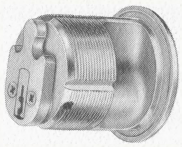
Special Cylinders



Lazy Cam Cylinder

Cylinders 0 thru 6 can be furnished with lazy cam to hold latch bolt retracted. Suffix L to cylinder no., i.e., 1L etc.

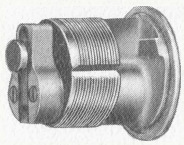
Available for latch operated locks only.



No. 111½HM

Hotel Cylinder

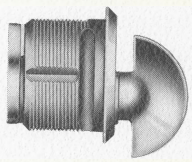
This cylinder supplied for hotel locks. 5 or 6 pin.



No. 1EM

Number	Pins
0EM	5
0½EM	6
1EM	6
2EM	6

Replacement Cylinders for Obsolete "EM Hotel Locks"



Nos. 19 and 119

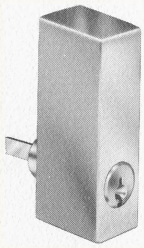
Cylinder and Thumb Piece No. S4292

19 has No. 1 cam.

119 has No. 11 cam.

Cylinders 0 thru 6 can be furnished with thumb piece in place of key. Specify 19 or 119 and suffix cylinder required, i.e. 19-0, etc.

No. ARH848, Cylinder With Adams Rite Housing



Corresponds to Adams Rite cylinder-pull 4025. Housing serves as door pull.

For use with Adams Rite series 1848 narrow stile sliding glass door locks.

Housing Dimensions: Height 2⅞", width ⅞", depth 1⅜".

Cylinder only (less housing) can be furnished for replacement purposes. Specify No. AR848.

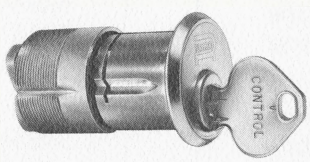
Finish: US26D, satin chrome.

Key Removable Cylinders

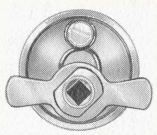
These cylinders are similar in appearance to our regular cylinders but the cylinder can be removed from the outer shell by use of a control key. Any given cylinder can be interchanged between rim and mortise type applications providing the number of pins are the same. Available for doors up to 2¼ in. thick only, for doors over this thickness standard non-removable cylinders must be used.

Cylinder Number		Length,* Inches	Max. Pins
#1 Cam	#11 Cam		
Mortise Type			
51181	51182	1⅛	5
51141	51142	1¼	5
51381	51382	1⅜	5
61141	61142	1¼	6
61381	61382	1⅜	6
61121	61122	1½	6
Rim Type			
5290		1⅛	5
6290		1¼	6

*Length of cylinder under head.



Turn Knob Attachments



Nos. 1148, 1149¾

For Regular Cylinders

Nos. 1348, 1348¾,

(½" or ¾" throw)

Nos. 1349, 1349¾,

(1" throw)

For Master Ring Cylinders

Numbers with ¾ suffix are for functions where turn piece will withdraw bolt, but will not project it.

Cylinders

Cylinder Numbers For Mortise Locks

This listing gives Standard cylinders furnished when no thickness of door is specified.

On contracts where thickness of door is specified, other cast cylinders may be furnished instead of those listed.

All cylinders are available with dust-proof shutters, prefix DP to number, i.e., DP1, etc.

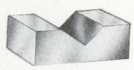
All cylinders listed with the 1000 line locks apply also for the 2000 line.

Lock Number	Cylinder Number	
	Outside	Inside
1007	110½	none
1007¼	110½	none
1007½	110½	110½
1007¾	110½	none
1013	110½	none
1018	1	none
1018½	1	1
1023	110½	none
1024	110½	none
1024¼	110½	none
1024½	110½	110½
1024¾	110½	none
1028	1	none
1033HM	111HM	none
1036	110½	none
1037	110½	none
1038	110½	none
1048	110½	none
1048½	110½	110½
1049	110½	none
1056	110½	none
1058½	111	1
1058⅝	0½	none
1059	110½	none
1068½	110½	0½
1068⅝	0½	none
1098½	110½	110½
1202½	1	1
1202¾	1	none
01203	0½	none
01203¼	0½	none
01203½	0½	0½
01203¾	0½	none
1204	1	none
1204¼	1	none
1204½	1	1
01206	20½	none
01206¼	20½	none
01206½	20½	20½
01206¾	20½	none
1207	1	none
1207¼	1	none
1207½	1	1
1207¾	1	none
01210	1-T	none

Lock Number	Cylinder Number	
	Outside	Inside
01210¼	1-T	none
01210½	1-T	1-T
01210¾	1-T	none
1238	1	none
F1238	1	none
F1247	1	none
F1277	1	none
1297	1	none
1297½	1	1
1334	1	1
1334½	1	1
1429	1	1L
1454	1	none
H1454	1	none
1454½	1	1
H1454½	1	1
1507	1	none
1507¼	1	none
1507½	1	1
1507¾	1	none
A2034HM	111HM	none
A2034¾HM	111HM	none
2952½	1	1
H2952½	1	1
H2952⅝	1MP	none
A2358½	1	4
A2358⅝	1	none
A2359	1	none
9395	1	1L
9453	31	none
9453½	41	41
9455	31	none
9455½	41	41
9458	1	none
9458½	1	4
9459	1	none
9459½	1	4
11213	110½	none
11233HM	111HM	none
11248	110½	none
11248½	110½	none
11748	110½	none
13850	1	none
13850½	1	1

Cylinder Repair Tools, Parts — Keys

Tools



CT 2
V Block
Used for holding cylinder when pressure of vise is inadvisable

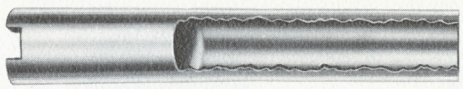


CT 6
Tweezers

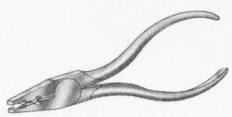


CT 7
Burring Tool

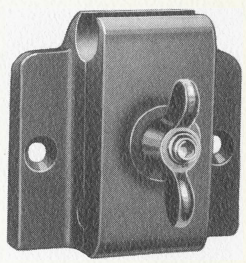
CT 5 **Pin Hole Reamer**



CT 24 **Follower**

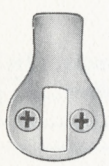


CT 8 **Pliers With Holes Drilled For Cylinder Pins**

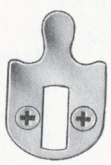


CT 52 **Setting-up Vise**

PARTS



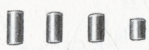
1



11



3



2F



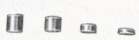
4



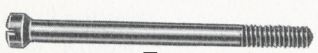
5



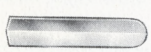
1S



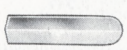
6



7



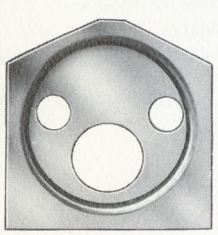
8



8A



12



14



19



9

No.	Description
1	Brass cam with screws for mortise cylinder.
1S	Bronze spring.
2F	Brass crowned tumbler pins over balls:

Size	Number For Key Class 981 or 961	852	Size	Number For Key Class 981 or 961	852
0	F-102	E-120	5	F-177	E-224
1	F-1175	E-142	6	F-192	E-242
2	F-132	E-164	7	F-207	....
3	F-1465	E-185	8	F-222	....
4	F-162	E-199			

3	Brass flat spool drivers: Class 981 or 852 — H-172 and H-370 Class 861U — S-149
4	Brass crowned ball end pins:

Size	Number For Key Class 981	852	861U	Size	Number For Key Class 981	852	861U
0	A-2185	B-240	N-144	5	A-293	B-343	N-214
1	A-233	B-257	N-158	6	A-308	B-358	N-228
2	A-248	B-280	N-172	7	A-323	....	N-242
3	A-263	B-300	N-186	8	A-338	....	N-256
4	A-278	B-315	N-200				

5	Nickel-silver ball bearing.
6	Brass master key pins:

Size	Number For Key Class 981	852	861U	Size	Number For Key Class 961	852	861U
2	E-030	E-040	S-028	6	E-090	E-120	S-084
3	E-045	E-060	S-042	7	E-105	....	S-099
4	E-060	E-080	S-056	8	E-120	....	S-112
5	E-075	E-100	S-070				

7	Brass or bronze set screws — specify number, finish and backset of lock.
8	Brass slide covers — 1 in.
8A	Brass slide cover $^{27}/_{32}$ in.
9	Steel connecting bar for rim cylinder.
11	Brass cam with screws for mortise cylinder.
12	Steel connecting screw for rim cylinder.
14	Steel back plate for rim cylinder.
19	Brass plug cam with screws for rim cylinder.
22	Plugs for cylinders, specify number, keyway and finish of cylinder (not shown).

Master Ring Build-Up Pins:

Size	Number for Key Class D, H, 961, 981	Size	Number for Key Class D, H, 961, 981
2	E-179	6	E-242
3	E-194	7	E-254
4	E-209	8	E-270
5	E-224	9	E-284

SPECIFY NUMBER, PART AND SIZE WHERE REQUIRED.

Keys

Keys And Blanks ***paracentric — nickel-silver***

Shown on this page are current cylinder keys and blanks, series D and H along with former series 980 and 960.

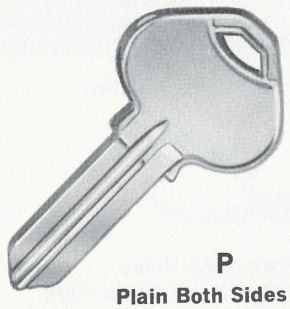
When ordering key blanks, specify NUMBER OF PINS, KEYWAY and BOW STYLE, i.e., 5D1R. (Bow style M can be furnished with letter M stamped on bow, when so ordered).

When ordering cut keys, specify information as at left and suffix number shown on key bow, i.e., 5D1R-653027. (Bow style M can be furnished with letter M, GM or GGM stamped on bow, when so ordered).

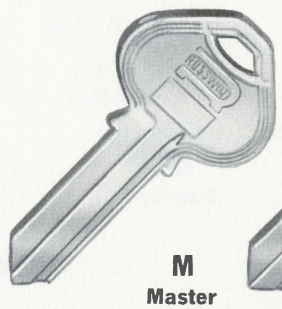
Bow Style: *packed:* 50 per box



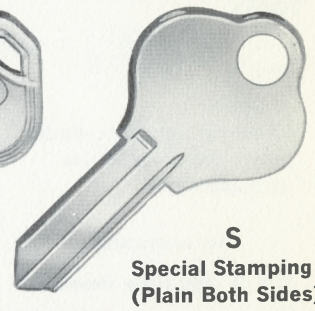
R
Regular (Plain One Side)



P
Plain Both Sides



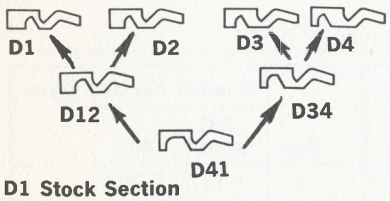
M
Master



S
Special Stamping (Plain Both Sides)

Number Of Pins: Available for 5, 6 or 7 active pins.

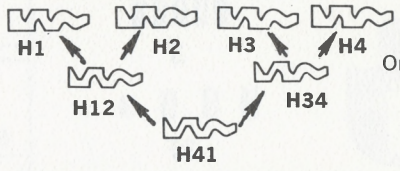
Keyways: D Series



D1 Stock Section

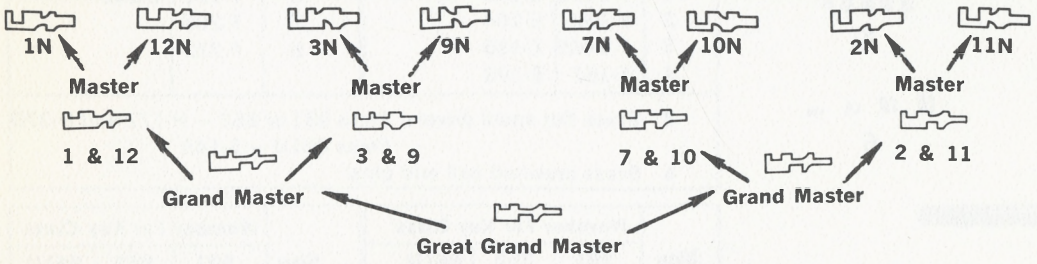
Ordering Example: **5D1R**
Number of Pins
Keyway
Bow Style

H Series (Patent Applied For)



For Special Large Masterkey Systems

Ordering Example: **7H2M**
Number of Pins
Keyway
Bow Style



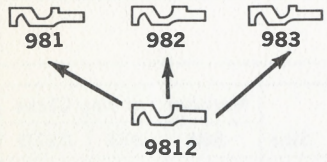
960 Series (6 or 7 Pin Lengths)

Ordering Example: **64NM**
Number of Pins
Keyway
Bow Style

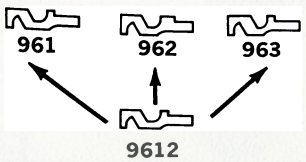
Other keyways available: 4N 5N 6N 8N 13N

For Large Commercial Masterkey Systems

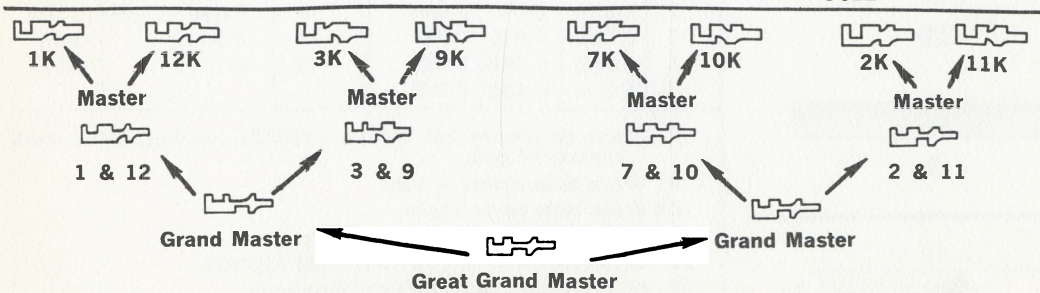
Following keyways are still available for replacement and expansion of systems established prior to 10-1-64: (They will be furnished with key bows shown above).



Ordering Example: **5981P**
Number of Pins
Keyway
Bow Style



Ordering Example: **6962M**
Number of Pins
Keyway
Bow Style



980 Series (5 Pin Length Only)

Ordering Example: **51KR**
Number of Pins
Keyway
Bow Style

Other keyways available: 4K 5K 6K 8K 13K

Special keyways available only through authorized Russwin distributors. Orders must be accompanied by authorization from building owners. Key blanks are not available for Grand Master and Great Grand Master keys. When keys are required for use with dust proof cylinders, prefix **DP** to number.

Keys And Blanks *paracentric — nickel-silver*

Shown on this page are cylinder keys and blanks available for replacement purposes only.

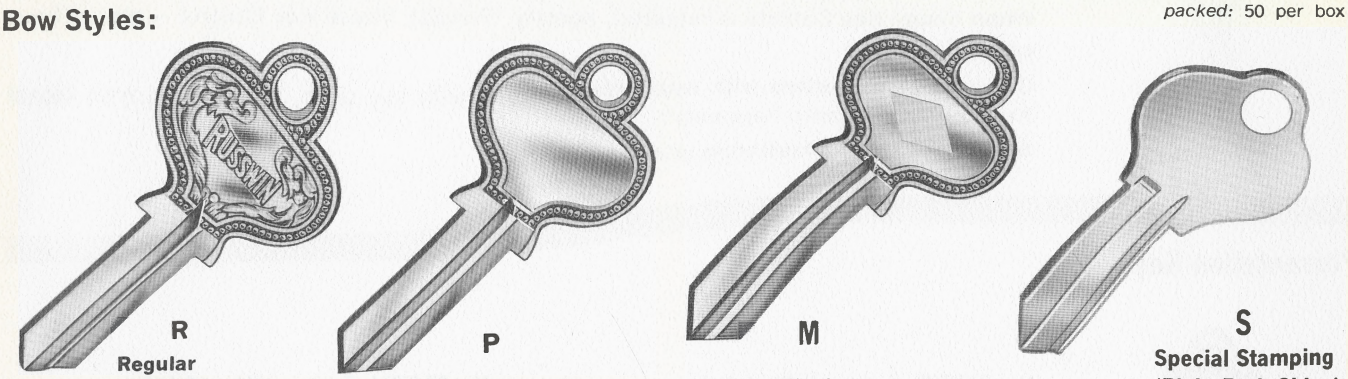
When ordering key blanks, specify KEYWAY and BOW STYLE, i.e., 1AR.

(Bow style M blanks can be furnished with M stamped on bow, when so ordered.)

When ordering cut keys, specify information as at left and suffix number shown on key bow, i.e., 1AP-65302. (Bow style M can be furnished with M, GM or GGM stamped on bow, when so ordered.)

Bow Styles:

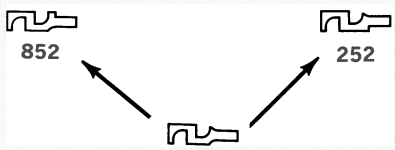
packed: 50 per box



Number Of Pins:

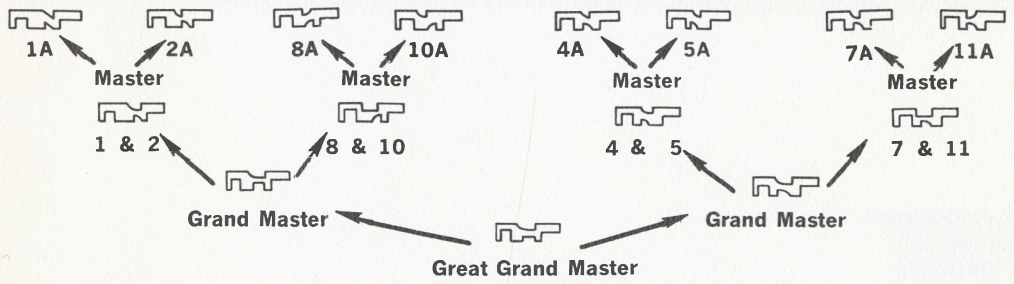
Available for 5 active pins only. Therefore, when ordering, it is not necessary to specify number of pins.

Keyways:





Ordering Example: **252P**
Keyway
Bow Style



752 Multiplex Series

Ordering Example: **4AR**
Keyway
Bow Style

Other keyways available: 3A 6A 9A 12A

Blanks are not available for Grand Master and Great Grand Master Keys.

Special keyway blanks available only through authorized RUSSWIN distributors. Orders must be accompanied by authorization from building owners.

When keys are required for dust proof cylinders prefix **DP** to number.

Keys

Keys For Visual Key Control System



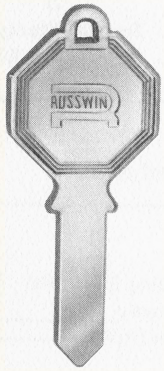
This system offers control not previously available in keying systems. It consists of stamping the key code on the cylinder and on its respective keys. For example, the AA26 shown on the key at left identifies the lock to be subject to Grand Master Key A, Master Key set AA and has key change 26. A key bitting list will be furnished with each job which indicates the key change beside each key code number, i.e., AA26-34561. In the event a key is lost, it can easily be replaced by referring to the key bitting list.

When Visual Key Control is required, specify "Furnish Visual Key Control — stamp keys and cylinders".

Can also be furnished with keys only stamped with key code, specify "Furnish Visual Key Control — stamp keys only".

See page 172 for illustration of cylinders.

Presentation Key



No. S13789, 5 pin — gold plated

No. S13790, 6 pin — gold plated

No. S13791, 5 pin — silver plated

No. S13792, 6 pin — silver plated

This is a special gold or silver plated key which can be presented to the owner or builder by the Russwin distributor upon completion of a building. The back of the key bow is blank for special stamping or engraving purposes. It is packed in a sturdy, attractive, jewelry type box.



For replacement purposes only on Stilemanor and Homegard cylindrical locksets.

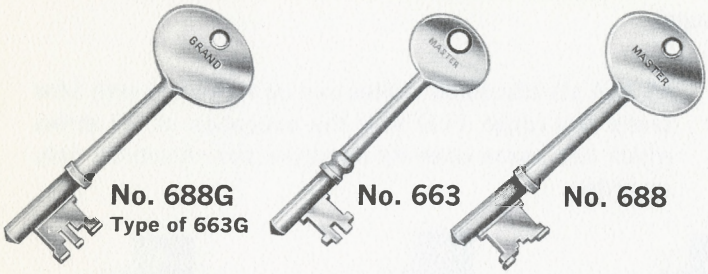


No. 861UB

When keys are required for dust proof cylinders prefix **DP** to numbers.

When ordering cut keys, specify change number.
When specifying blanks, suffix B to cut key number.
Blanks are not furnished for grand master keys.

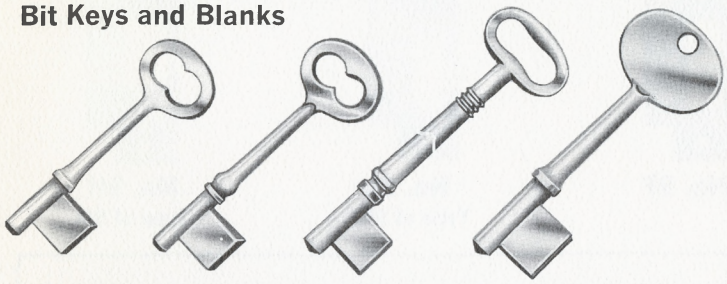
Bit Master Keys *solid steel, nickel-plated*



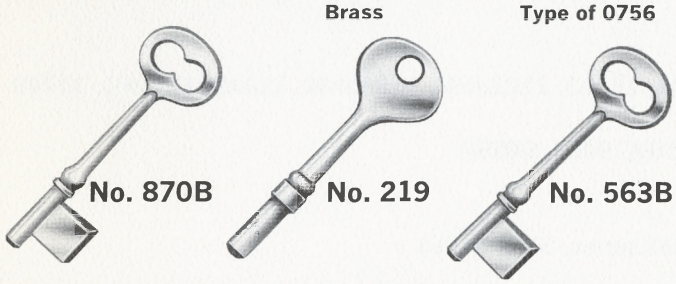
No. 688G Type of 663G — **No. 663** — **No. 688**

Lock Number	Cut Keys	
	Grand Master	Master
0375¾M	663G	663
0786M	688G	688

Bit Keys and Blanks



No. 558¾B **No. 559B** **No. 54¼B** Brass **No. 557B** Type of 0756



No. 870B **No. 219** **No. 563B**

Lock Number	Cut Key Number	Blank Number
268 568	54¼	54¼B
0786	557	557B
0375	558¾	558¾B
0375¾	559	559B
0375¾M	563	563B
0756	0756	0756B
229 G2310 G2910 1039	219	....

Master Keyable Bitted Key Locks

Locks having same master key can be master-keyed together in sets.

Lock Number	Change Key Class	Tumblers	Grand or Master Key Class	Master Key Sets	Different Changes
0375¾	559	3	663	3 of 100	300
0786	557	4	688	20 of 50	1000

Inter-Keying Locks

Locks of various types which can be master-keyed together in sets and controlled by one master or grand-master key:

Keys		Lock No.	Description
Key Class No.	557	0786M	Dead Lock
Master Key Class No.	688		
Grand Master Key Class No.	688G		

Keys		Lock No.	Description
Key Class No.	563	0375¾M	Inside Door Lock
Master Key Class No.	663		
Grand Master Key Class No.	663G		

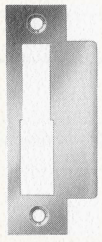
Strikes

Strikes For Mortise Locks and Latches

brass, bronze, aluminum or stainless steel (.095 gauge)
finished to match aluminum when required.

ASA Standardized Strikes — All are 4⅞ x 1¼ in., 1⅛ in. lip to center regular (lip from 1⅛ to 3 in. available, specify size when ordering). Regularly furnished (unless otherwise noted) with locks listed below.

All ASA standardized strikes can be furnished with 16W strike box (page 111) with the exception of 9H strike which has same opening as strike box. Available only on order.



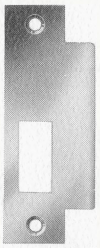
No. 9G
Type of 9P



No. 9E
Type of 9J



No. 9F



No. 9L
Type of 9FE



No. 9H
Type of 9M

ASA Strike No.	Use With Locks:
9A	Ten strike series (see page 111)
9B	Ten strike series (see page 111)
9C	Ten strike series (see page 111)
9E	025*, 1207* series, F1247, 1507* series, 11213, 11233HM, 11243HM, 11248, 11248½, 11748
9F	1429
9FE	9453, 9453½, 9455, 9455½, 9458, 9458½, 9459, 9459½
9G	1238, F1238, 3033EM, 3048
9H	0280
9J	1202½*, 1202¾*, 01203* series, 01206† series, 3007 series
9L	2952½, H2952½, H2952⅝
9M	A3025, A3036, A3038, A3056, A3058½, A3058⅝, A3059, A3068½, A3068⅝
9N	Exiter mortise locks (see page 140)
9P	A3024, A3024¼, A3024½, A3039, A3040, A3040½, A3040⅞

*ASA strike furnished only when ordered with these locks.
†No. 9J strike furnished regularly for metal doors. Furnished for use on wood doors only when ordered.

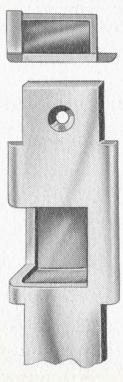
Lock Strikes For Different Applications

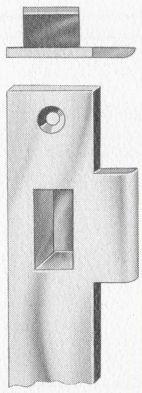
cast brass or bronze

Open Back Strike No. 18

For use on pairs of doors operated by door closer when control requires the use of a latch type lock. This type of strike allows the inactive door to close before the active door without damaging the latch. Furnished on order with extra long lips, with lips shorter than regular or with curved or rounded lips. Specify lock No., hand and thickness of door.

Not available as ASA strike.

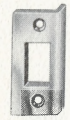


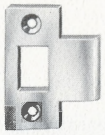


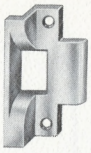
Box Strike No. 15

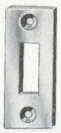
Cast brass or bronze. The outstanding feature of this strike is the metal box which receives the bolts. All raw wood exposed by mortising is covered, resulting in the best possible finish to the door jamb. Furnished on order with extra long lips, with lips shorter than regular or with curved or rounded lips.

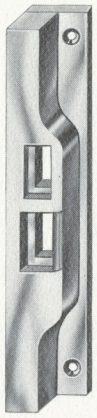
Lock Strikes

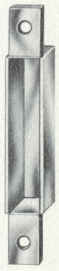

No. 3

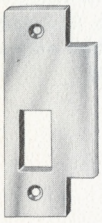

No. 4

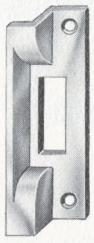

No. 4D

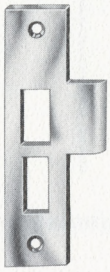

No. 5

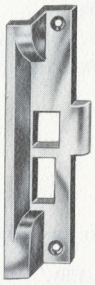

No. 10B


No. 16W


No. 4B


No. 5A


No. 6


No. 6A

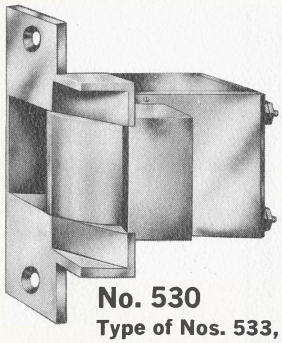
Number	Lip to Center, Inches	Description	Locks and Latches, Number
6	1¼	Wrought brass or bronze	229, 0375, 0375¾, G2310
6A	1	Cast brass or bronze	G2910
4B	1¼	Wrought brass or bronze	1454, H1454, 1454½, H1454½
3	....	Wrought steel, plated	1282, 2282, 1299, 2299
4D	1¼	Cast brass or bronze	G024½
4	1¼	Cast brass or bronze	0280, 1297, 1297½
		Wrought brass or bronze	023, 025, G024, 039
5	no lip	Cast brass or bronze	0756, 0786, 1207 series, 1334½, 1507 series, 13850, 13850½
		Wrought brass or bronze	01206 series
10B	....	Cast brass or bronze	F1277
5A	1¼	Cast brass or bronze	1204 series, 1210 series
16W	....	Wrought steel box for strikes	Latches: 023, 025, 039, 1454, H1454, 1454½, H1454½, all Ten Strike latches
			Locks: 229, G2310, 0375, 0375¾, 0375¾M, 0786, 01203 series, 1238, F1238, F1247, 2952½, 11233HM, all Ten Strike locks

SPECIFY LOCK WITH WHICH STRIKE IS TO BE USED, TYPE OF STRIKE, HAND AND FINISH.

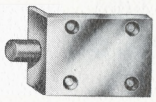
Strikes

Caution: Coils used in electric strikes were designed for intermittent service and should not be left energized for long periods of time.

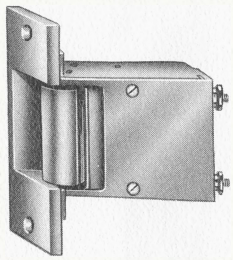
Electric Door Openers and Pushers



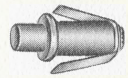
No. 530
Type of Nos. 533, 534, 5320



No. 1 Pusher
For Nos. 530, 533, 534 and 5320 openers; regularly furnished



No. 633



No. 1248½ Pusher
For No. 633 openers; furnished only when ordered

Action of the pusher throws the door when the opener releases latch bolt.

Front: Cast brass or bronze. **Case:** Iron case.

Openers

Number	Front, Inches	Case, Inches				Use With Locks:
		Length*	Height	Depth, Case	Depth, Overall	
530	4½ x 1¼	3 9/16	2⅛	1 1/32	1⅞	Stilemaker locksets, 1⅜ in. doors and all Mortise Locks with latch bolt and auxiliary latch — ⅝ in. throw and under.
533	4⅛ x 1¼	3 9/16	2⅛	1 1/32	1⅞	Uniloc locksets with ⅝ or ¾ in. throw of latch bolt.
534†	4⅛ x 1 7/16	3½	2⅛	1 1/32	2 3/32	Extra-heavy duty UNIT® locksets — all functions except 2185, 2186, 2187½.
633	3½ x 1⅜	3 1/16	1 13/16	15/16	15/16	Stilemaker locksets, 1¾ in. doors and over. Also for all Mortise Locks with latch bolt only (no auxiliary latch) — ⅝ in. throw and under.
5320	4½ x 1½	3⅝	2⅛	1 1/32	1⅞	All Mortise Locks with ¾ in. throw of latch bolt.

*Includes terminals.
†Regularly furnished with lip. If required without lip, specify "without lip".

Pushers

Number	Width, Inches	Case, Inches	Material
1	½ x 1¼	1¼ x 1⅝	Cast brass or bronze
1248½	15/32 diam.	1 1/32 x 11/16	Cast brass

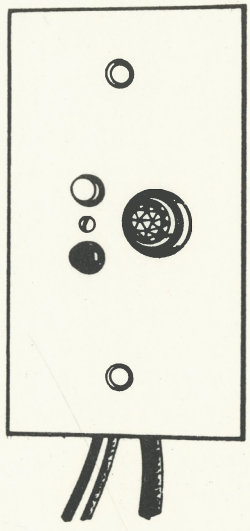
Voltages and Windings

Door openers regularly furnished for 3 to 6 volts DC or 8 to 12 volts AC. Furnished on order for 12 to 24 volts AC, and 24 or 48 volts DC.

All steel and iron parts are special bronze plated (copper and tin alloy) for rust resistance.

SPECIFY NUMBER, VOLTAGE, FINISH AND NUMBER OF LOCK WITH WHICH OPENER IS TO BE USED

TEMPORARY CATALOG PAGE 182A



No. 5325 On-Off Device for use with Electric Door Openers

This device uses 24 volt DC Current only, and is for use with any Russwin Electric Door Opener (except the 633). Opener must be made special when required for use with this device.

Operation: By pressing a button on the device, the door opener can be left unlocked for any period of time without burning out the coil in the opener. By pressing another button, it can be re-locked. A red pilot light indicates when the door is unlocked.

Note that since device is for 24 volt DC, its use is limited to electric door holders with 24 volt DC coils.

When On-Off Device and Electric Door Opener are required as a complete unit, specify by prefixing "SW" to the Opener number, i.e. SW530, etc. (A unit so ordered will consist of one Device and one Opener properly wired to function correctly).

Material and Finish: Brass or bronze in US3, US4, US10, US26 and US26D

3/66

Lock Springs



No. 5



No. 6

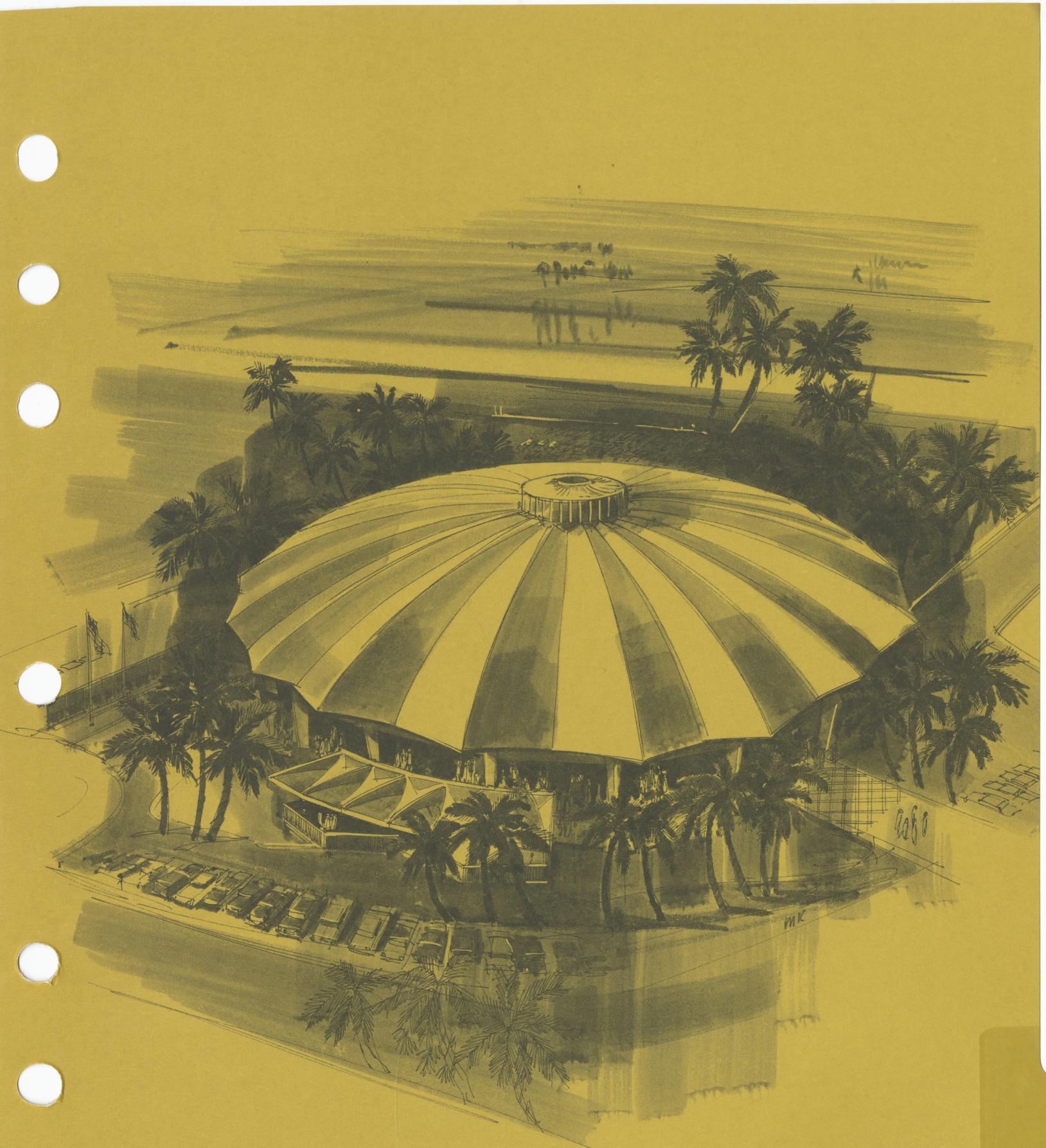


No. 7

Number	Width, Inches	Description
5	3/16 1/4 5/32	Flat steel lock spring, 3 ft. per coil
6	5/16	Coiled steel wire lock spring, 3 ft. per box
7	....	Steel extension spring, 1/4 gross per box

Miscellaneous and Auxiliary Locks

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

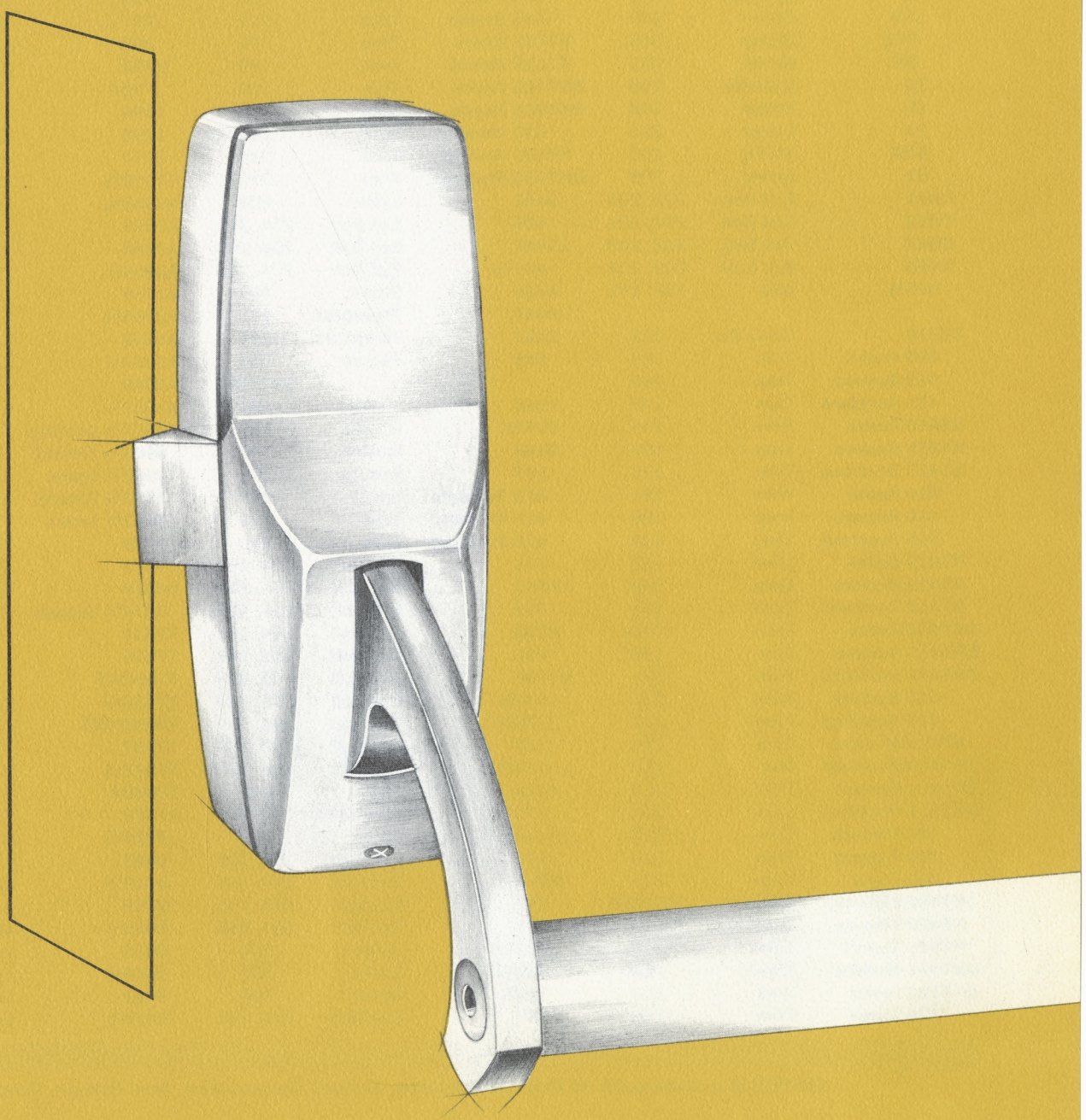


International Center
Honolulu, Hawaii

9 FIRE EXIT BOLTS

RUSSWIN®

FIRE EXIT BOLTS



FIRE EXIT BOLTS

Alphabetical Index

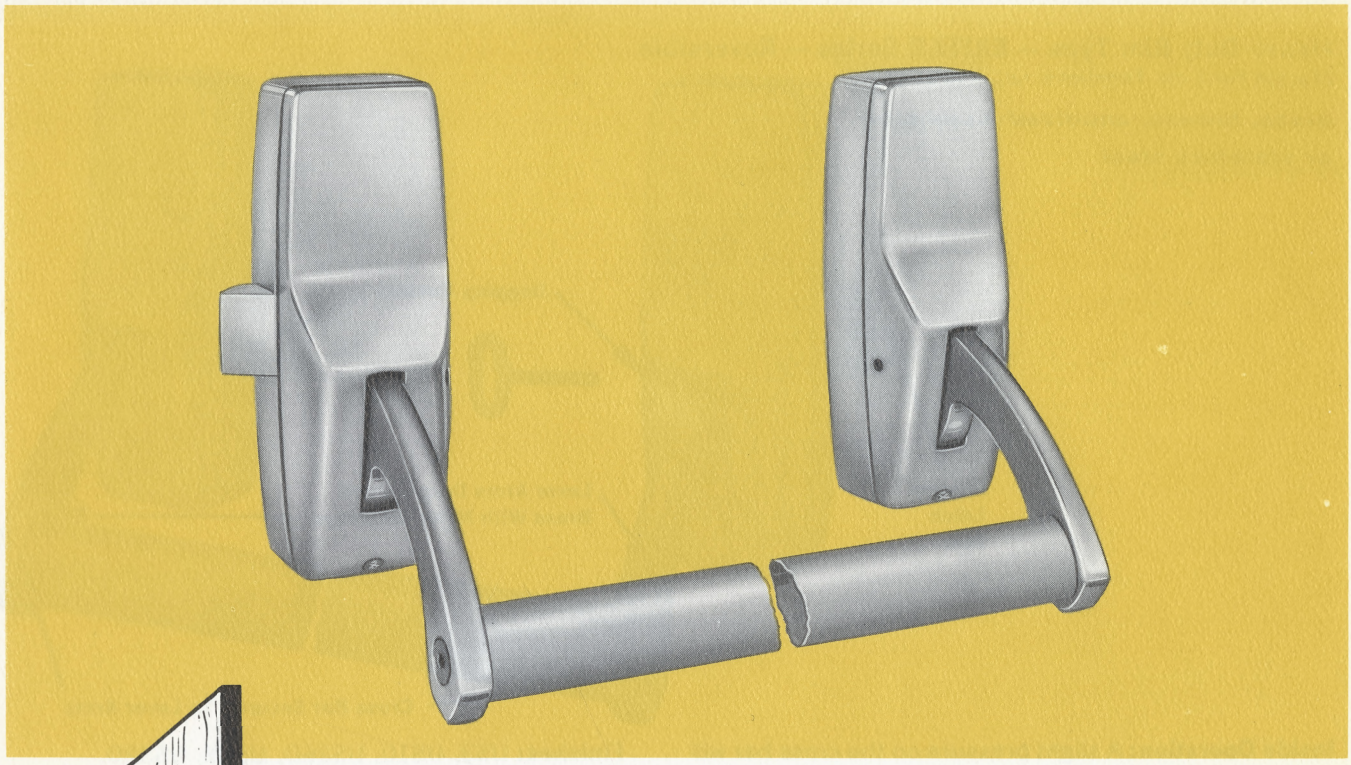
EXITER series (rim, mortise and vertical rod types)	187-201	Carry bar and co-ordinating device	212
Concealed series (vertical rod type)	202-203	Mullion	190-191
465 series (rim type)	204-205	Threshold	211
T7000 series (mortise and vertical rod types)	206-207		

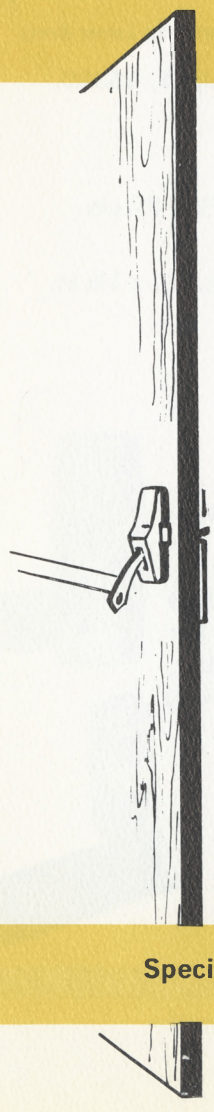
Numerical Index

Number	Description	Page	Number	Description	Page	Number	Description	Page
BKS Enfield	Trim	206	**425 Ronde**	Trim	199	**NT796**	Exit Bolt	192, 193
BKS Lenox	Trim	210	**NT425 Andre**	Trim	199	**796½**	Exit Bolt	192, 193
0½FE	Cylinder	200	**NT425 Ronde**	Trim	199	**NT796½**	Exit Bolt	192, 193
1	Cylinder	208	**426 Andre**	Trim	199	**797**	Exit Bolt	192, 193
2B	Stop	208	**426 Ronde**	Trim	199	**797½**	Exit Bolt	192, 193
9FE	Strike	208	**NT426 Andre**	Trim	199	**798**	Exit Bolt	194, 195
9N	Strike	201	**NT426 Ronde**	Trim	199	**H798**	Exit Bolt	194, 195
13	Cylinder	200	**DNT426 Andre**	Trim	199	**799A**	Exit Bolt	192, 193
15	Strike	208	**DNT426 Ronde**	Trim	199	**1190**	Cylinder	200
18	Strike	208	**430 Modera**	Trim	210	**1290**	Cylinder	200
50B	Strike	208	**NT430 Modera**	Trim	210	**2290**	Cylinder	200
53	Strike	208	**DNT430 Modera**	Trim	210	**A2358½**	Lock	209
CH61	Exit Bolt	202, 203	**0441**	Latch	208	**A2358⅝**	Lock	209
CH62	Exit Bolt	202, 203	**465**	Exit Bolt	204, 205	**A2359**	Lock	209
CH63	Exit Bolt	202, 203	**LT465**	Exit Bolt	204, 205	**A2658**	Lock	201
CH68	Exit Bolt	202, 203	**465¼**	Exit Bolt	204, 205	**A2658½**	Lock	201
075⅜	Grip	198, 199	**A466**	Strike	205	**A2659**	Lock	201
			A497	Threshold	211	**A2659½**	Lock	201
DR370	Carry Bar	212	**B497**	Threshold	211	**A3658**	Lock	201
415 Andre	Trim	198	**539**	Paddle	188,	**A3658½**	Lock	201
415 Modera	Trim	198			192, 194	**A3659**	Lock	201
415 Rockford	Trim	198	**0566**	Mullion	191	**A3659½**	Lock	201
NT415 Andre	Trim	198	**0566A**	Mullion	191	**3902½ Century**	Escutcheon	199
NT415 Modera	Trim	198	**0568**	Mullion	190	**3902½ Enfield**	Escutcheon	206
NT415 Rockford	Trim	198	**596**	Paddle	204	**3902½ Lenox**	Escutcheon	210
416 Andre	Trim	198	**619 Rockford**	Trim	210	**3952¼ Enfield**	Knob	206
416 Modera	Trim	198	**629 Rockford**	Trim	210	**3952¼ Lenox**	Knob	210
416 Rockford	Trim	198	**639 Rockford**	Trim	210	**4369**	Co. Device	212
NT416 Andre	Trim	198	**701**	Exit Bolt	194, 195	**4373**	Strike	200
NT416 Modera	Trim	198	**H701**	Exit Bolt	194, 195	**A4374**	Strike	205
NT416 Rockford	Trim	198	**708**	Exit Bolt	194, 195	**4872¼ Cosmic**	Knob	199
DNT416 Andre	Trim	198	**H708**	Exit Bolt	194, 195	**T7030**	Exit Bolt	206, 207
DNT416 Modera	Trim	198	**736**	Exit Bolt	188, 189	**T7036**	Exit Bolt	206, 207
DNT416 Rockford	Trim	198	**NT736**	Exit Bolt	188, 189	**T7036NT**	Exit Bolt	206, 207
410 Modera	Trim	210	**736¼**	Exit Bolt	188, 189	**T7036½**	Exit Bolt	206, 207
410 Rockford	Trim	210	**736½**	Exit Bolt	188, 189	**T7036½NT**	Exit Bolt	206, 207
NT410 Modera	Trim	210	**737**	Exit Bolt	188, 189	**T7037**	Exit Bolt	206, 207
NT410 Rockford	Trim	210	**737½**	Exit Bolt	188, 189	**T7037½**	Exit Bolt	206, 207
DNT410 Modera	Trim	210	**A766**	Strike	200	**T7039A**	Exit Bolt	206, 207
DNT410 Rockford	Trim	210	**777**	Escutcheon	199	**A7374**	Strike	200
420 Exbrook	Trim	206	**H790T**	Strike	200	**7374½**	Strike	200
420 Modera	Trim	210	**791**	Exit Bolt	194, 195	**9453**	Lock	209
420 Tower	Trim	210	**H791**	Exit Bolt	194, 195	**9453½**	Lock	209
NT420 Exbrook	Trim	205, 206	**792**	Exit Bolt	194, 195	**9455**	Lock	209
NT420 Modera	Trim	210	**H792**	Exit Bolt	194, 195	**9455½**	Lock	209
NT420 Tower	Trim	210	**792FB**	Strike	200	**9458**	Lock	209
DNT420 Modera	Trim	210	**792FT**	Strike	200	**9458½**	Lock	209
DNT420 Tower	Trim	210	**792S**	Strike	200	**9459**	Lock	209
425 Andre	Trim	199	**796**	Exit Bolt	192, 193	**9459½**	Lock	209

EXITER is a trademark of Russwin Division, Emhart Corporation, New Britain, Conn.

RUSSWIN





New Functional Elegance with Traditional Built-In Safety In RUSSWIN "EXITER"* FIRE EXIT BOLTS

Here is safety at its elegant best! Russwin Fire Exit Bolts have touch-and-go action and the expected dependability of safety engineering. A distinctive new concept in design dimension to satisfy both the aesthetic and functional requirements.

. . . and with These Safety-Designed Features:

- Safety-Designed Lever-Crossbar Assembly: Unique oval shape and special fastening lock the crossbar securely in place. Latch Mechanism is responsive to the slightest push.
- Safety-Designed Nylon Bearings: Lever arms rotate on smooth, long-wearing nylon bearings which never need oiling.
- Safety-Designed Dogging: Hardened steel dogging screw seated in stainless steel Helicoil insert. Stays secure . . . won't back out.
- Safety-Designed Mechanism: Heavy-duty, precision parts, throughout. Virtually abuse-proof. Choice of materials for life-time dependability in any location.

*Trademark

Specify Russwin "EXITER"* Fire Exit Bolts to Accent Your Creative Design

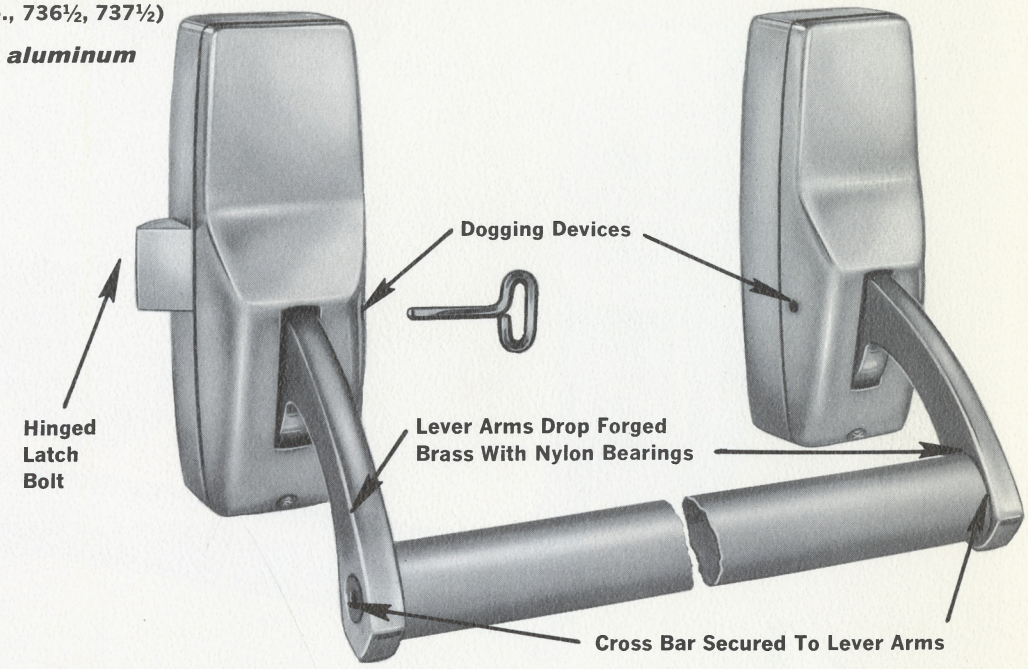
See Pages 188-201

FIRE EXIT BOLTS

Heavy-Duty Rim Type — EXITER Series — Reversible

(Except For 2 cyl. Functions, i.e., 736½, 737½)

brass, bronze, anodized aluminum or stainless steel



Inside Operation: A slight pressure on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Nylon Bearings: In lever arms, reduce wear on the ½ in. axle.

Dogging Devices: Provided in both cases to lock cross bar in depressed position, holding latch bolts retracted; with stainless steel helicoil insert in cases to prevent wear and corrosion and to overcome loosening of locking screw.

Universal Strike: No. A766 to suit most types of installation and adjustable to overcome shrinkage of doors. See page 200 for illustration and other strikes available.

Cross Bars: Can be ordered with steel reinforcing tube by prefixing RC to number, i.e., RC736 (see page 211).

If desired stock size for doors up to 3′ 6″ wide, to be cut on the job for doors under this size, suffix S to number, i.e., 736S.

Available in stainless steel when so specified.

UL Listed: Casualty requirements for safety. Marked "WL".

Minimum Width of Style

4¼ in. for doors with ½ in. stops.
4⅞ in. for doors with removable mullion.

Finishes: US3, US10, US26D, US28, US32D.

Dimensions

Heavy wrought cases
Active and supporting case: 7¼ x 2⁹⁄₁₆ in.

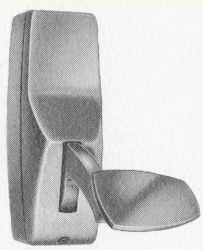
Hinged latch bolt: ¾ in. throw

Cross Bar: oval seamless tubing, ¹³⁄₁₆ x 1⅜ in. .065 in. thickness.

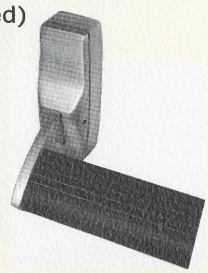
Projection: 6 in.

Backset
For stops ½ in. thick: 2⅛ in.
For stops ⅝ in. thick: 2¼ in.

Trim: As specified, see pages 198, 199.



Paddle Operation: Paddle No. 539 can be ordered in place of cross bar by suffixing "x 539" to bolt number, i.e., 736 x 539, etc. (Not UL Listed)



3 in. Cross Bar: Available with 3″ cross bar in place of regular. Available in anodized aluminum only, satin (US28) or black (28B) finish. To order, prefix "3" to bolt number, i.e., 3736, etc.

Master Ring Cylinder: When required with master ring cylinder, prefix **MR** to number.

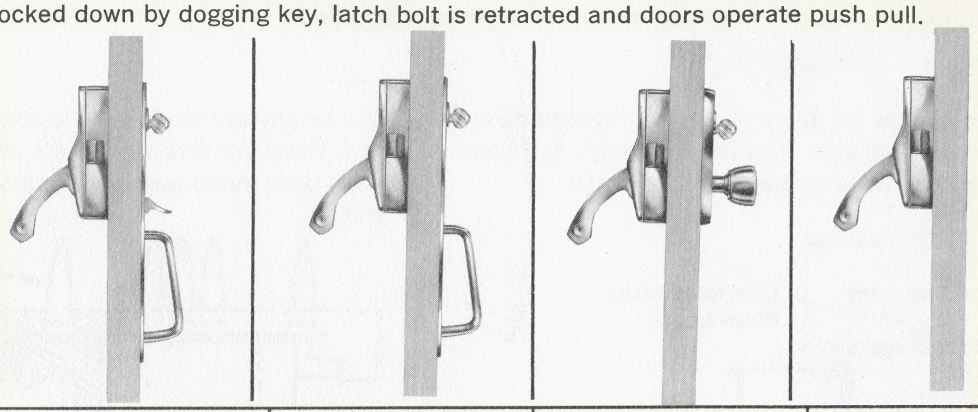
Trim shown for illustration purposes only. When ordering bolts, trim must be specified, i.e., 736 x 415 Modera, etc. See pages 198, 199 for trim available.

RUSSWIN

Fire Exit Rim Bolts For Single Doors

Can Also Be Used On Double Doors With Removable Mullion Or In Combination With Vertical Rod Bolt And Strike 4373

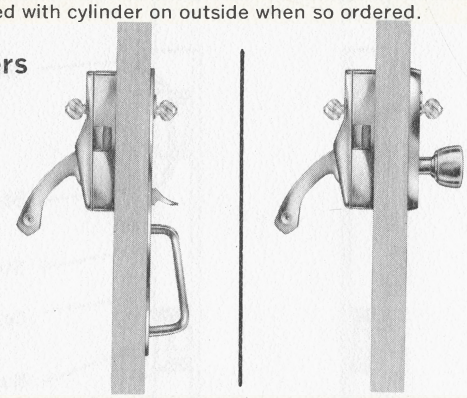
When cross bars are locked down by dogging key, latch bolt is retracted and doors operate push pull.



Number	No. 736	No. NT736	No. 737	No. 736¼*
Outside Operation	Key or thumb piece, Key disengages thumb piece†	Key retracts latch	Key or knob, Key disengages knob	No outside operation; for exit only
Outside Trim	As specified (see pages 198, 199)	As specified (see pages 198, 199)	Knob 4872¼ Cosmic, Escut. 777	None
Cylinder**	No. 1290	No. 1290	No. 1290	None
Weight Per Set	11½ lb.	11 lb.	10½ lb.	9½ lb.

*Can be furnished with cylinder on outside when so ordered.

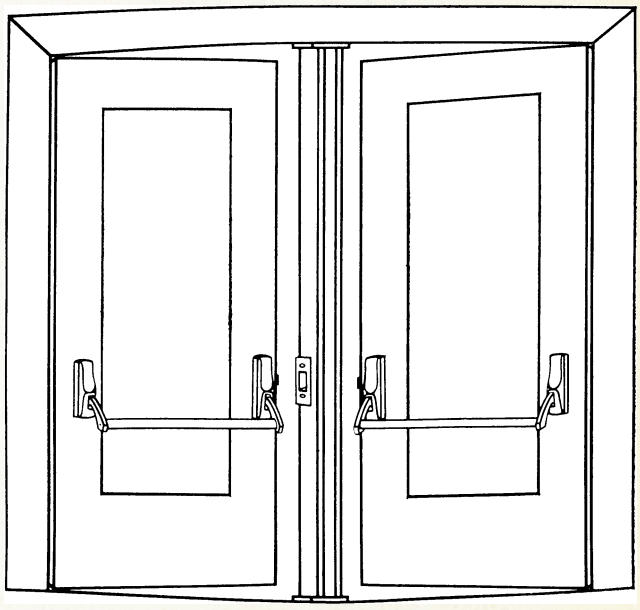
With Cylinders Both Sides



Number	No. 736½	No. 737½
Operation	Outside by key or thumb piece, inside master key locks thumb piece†	Outside by key or knob, inside master key locks knob
Outside Trim	As specified (see pages 198, 199)	Knob 4872¼ Cosmic, Escut. 777
Cylinders**	Outside No. 1290 Inside No. 0½ FE	Outside No. 1290 Inside No. 0½ FE
Weight Per Set	12 lb.	11 lb.

†When door is locked thumb piece is free acting and disengaged.

Installation on Double Doors with Removable Mullion



The mullion (see pages 190, 191) acts as a stop for the meeting stiles and contains the strikes for the exit bolts.

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

**Regular cylinder listed. See page 200 for master ring cylinder.

FIRE EXIT BOLTS

Removable Mullions

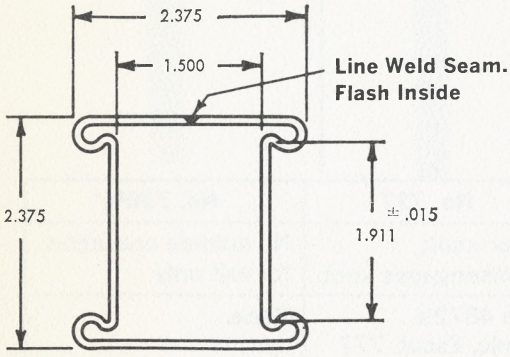
Use With Rim-Type Fire Exit Bolts

Easily And Quickly Removed When A Full, Double-Door Opening Is Desired

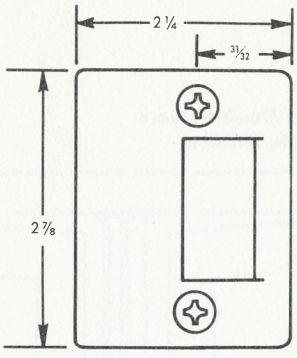
Steel Mullion Wrought Metal

Regularly furnished for doors up to 7′ 6″ high, to be cut for doors under this size. If desired 10′ high, for doors over 7′ 6″, suffix -10 to number, i.e., 0568-10.

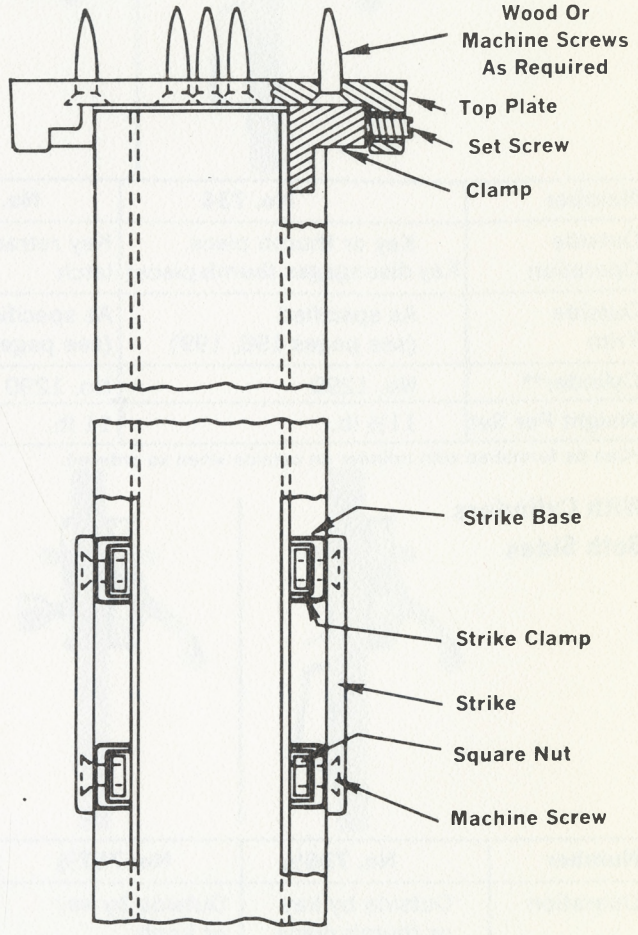
Can be applied to old or new doors with equal satisfaction. Minimum stile of door 4⅛ in.
Adjustable strike packed with mullion for application to mullion.



Cross Section of Mullion

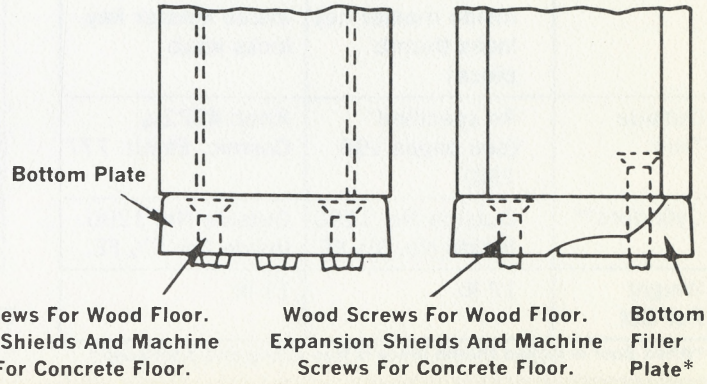


Strike No. 154



Top Plate: 4⅛ x 2⅜ in.
Bottom Plate: 2²⁵⁄₆₄ x 2⁵⁄₃₂

Number	Size, Inches	Weight, Lb.
0568	2⅜ x 2⅜	25



Illustrations Half Size

WHEN ORDERING SPECIFY MATERIAL OF DOOR FRAME AND SILL

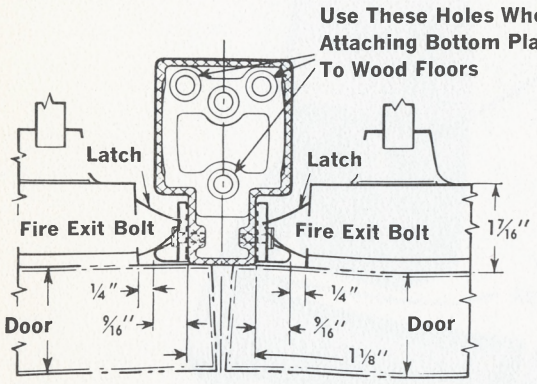
*Not required when used with threshold.

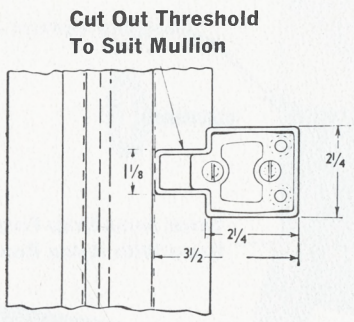
"MULLIONAIRE"† Aluminum Mullion

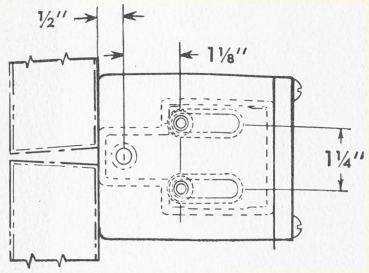
Furnished complete with adjustable strikes applied (cast bronze, cadmium plated).

Regularly furnished for doors up to 7′ 6″ high, to be cut for doors under this size. If desired 10′ high, for doors over 7′ 6″, suffix "-10" to number, i.e., 0566-10.

Provides protection for latch bolt so that no instrument can be inserted between latch bolt and strike (see fig. 1).

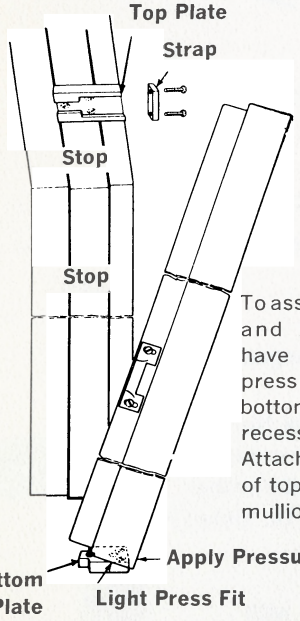




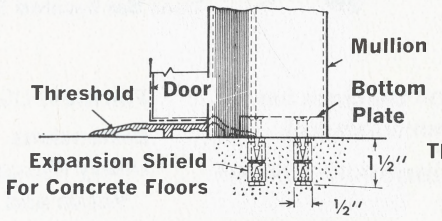


Top Plate
As Furnished With 0566 and 0566A Mullion (Shown Applied)

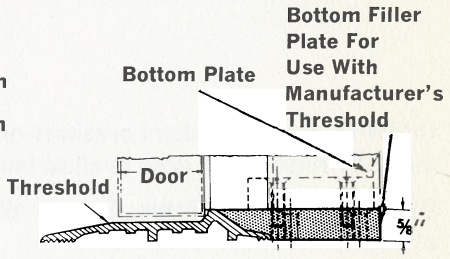
Fig. 1



To assemble, after top and bottom plates have been attached, press mullion over bottom plate and into recess of top plate. Attach strap to back of top plate to secure mullion in place.



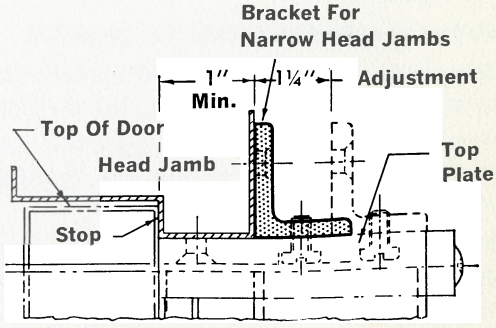
Bottom Plate
As Furnished With 0566, 0566A Mullion (Shown Applied)



Bottom Plate
As Furnished With 0566BF, 0566ABF Mullion (Shown Applied)

extruded aluminum, anodized

Number	Size, Inches	Top Plate	Bottom Plate
0566*	2¼ x 3½	3¼ x 3½	2½ x 2 1/32
0566A*	Similar to No. 0566 except for use with narrow head rails, 1¼ x 2¼ in. deep		



Soffit Bracket
As Furnished With 0566A Mullion (Shown Applied)

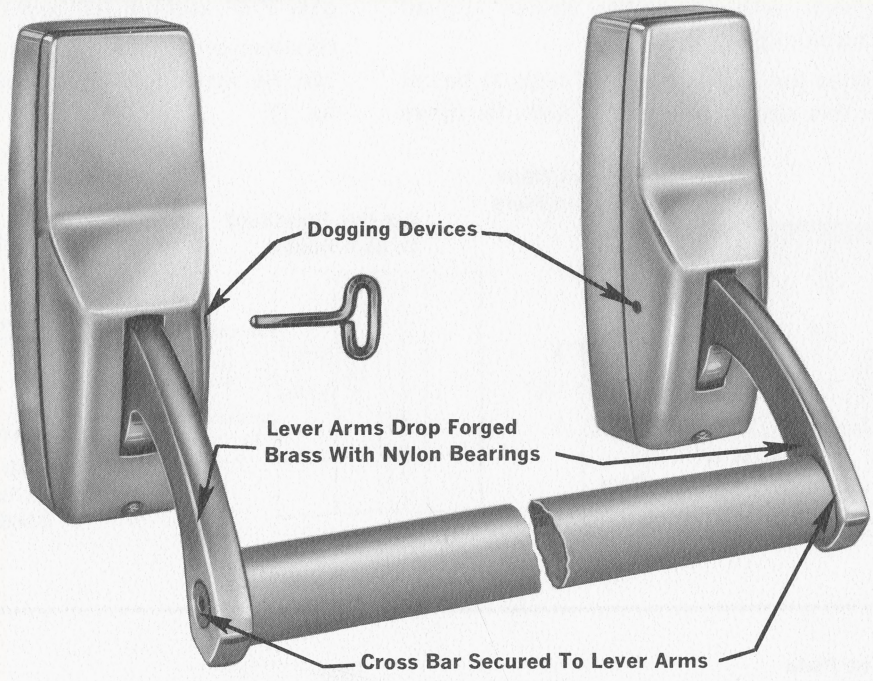
*Available with special bottom filler plate which eliminates the necessity of cutting RUSSWIN threshold. To order, suffix **BF** to number, i.e., **0566BF, 0566ABF.**

†Trademark

FIRE EXIT BOLTS

Heavy-Duty Mortise Lock Type With Rotary Action — EXITER Series — Reversible†

brass, bronze, anodized aluminum or stainless steel



Inside Operation: A slight pressure on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Nylon Bearings: In lever arms, reduce wear on the ½ in. axle.

Dogging Devices: Provided in both Cases to lock cross bars in depressed position, holding latch bolt retracted; with stainless steel helicoil insert in cases to prevent wear and corrosion and to overcome loosening of locking screw.

Strikes and Mortise Locks: See page 201.

Cross Bars: Can be ordered with steel reinforcing tube by prefixing RC to number, i.e., RC796 (see page 211).

If desired stock size for doors up to 3′ 6″ wide, to be cut on the job for doors under this size, suffix S to number, i.e., NT796S.

Available in stainless steel when so specified.

UL Listed: Casualty requirements for safety. Marked "WL". (Also approved as Fire Exit Hardware for all classes labeled doors, prefix U to number — furnished less dogging devices and hold-back latch.)

Minimum Width of Stile: 4½ in.

Finishes: US3, US10, US26D, US28, US32D.

Dimensions

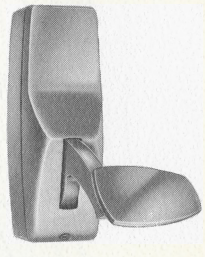
Heavy Wrought Cases

Active and supporting case: 7¼ x 2⁹⁄₁₆ in.

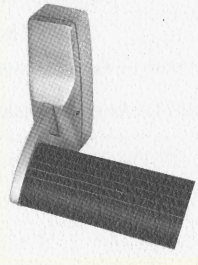
Cross Bar, Oval Seamless Tubing: ¹³⁄₁₆ x 1⅜ in. — .065 in. thickness.

Projection: 6 in.

Trim: As specified, see pages 198, 199.



Paddle Operation: Paddle No. 539 can be ordered in place of cross bar by suffixing "x 539" to bolt number, i.e., 796 x 539, etc. (Not UL Listed)



3 in. Cross Bar: Available with 3″ cross bar in place of regular. Available in anodized aluminum only, satin (US28) or black (28B) finish. To order, prefix "3" to bolt number, i.e., 3796, etc.

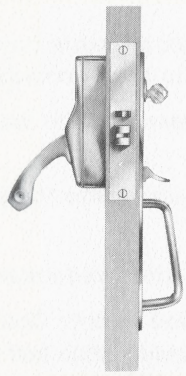
†Except for 2 cyl. lock functions, i.e., 796½, NT796½, 797½ and master ring cylinder locks.

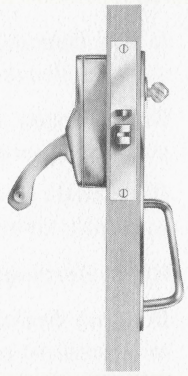
Trim shown for illustration purposes only. When ordering bolts, trim must be specified, i.e., 796 x 416 Modera, etc. See pages 198, 199 for trim available.

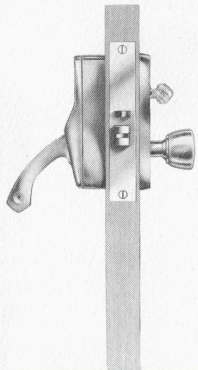
Mortise-Lock Type Exit Bolts For Single Doors

Also Used For Active Door On Pairs Of Doors, See Page 196

When latch bolts are locked in retracted position by dogging device or key, doors operate on push-pull basis.





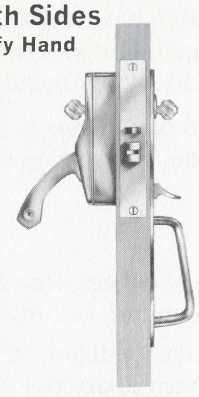


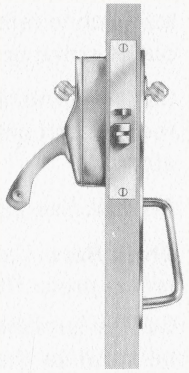


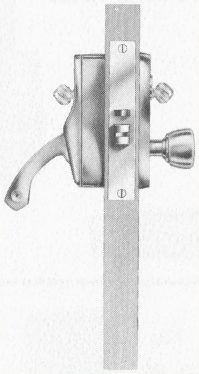
Number	No. 796	No. NT796	No. 797	No. 799A
Outside Operation	Key or thumb piece, key locks thumb piece or locks latch bolt in retracted position	Key retracts latch bolt or locks latch bolt in retracted position	Key or knob, key locks knob or locks latch bolt in retracted position	No outside operation, exit only
Lock†	A2658 see page 201	A2658 see page 201	A2659 see page 201	A2658 see page 201
Outside Trim	As specified (see pages 198, 199)	As specified (see pages 198, 199)	Knob 4872¼ Cosmic Escut. 3902½ Century	None
Cylinder	No. 0½	No. 0½	No. 2	None
Weight Per Set	9 lb.	9 lb.	8 lb.	7 lb.

With Cylinder Both Sides

Not Reversible, Specify Hand

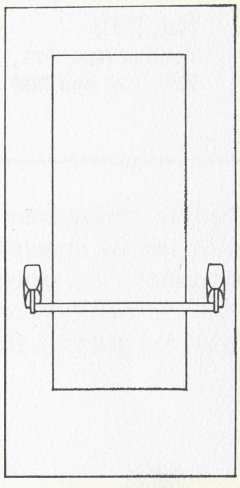






Number	No. 796½	No. NT796½	No. 797½
Operation	Outside by key or thumb piece; inside master key locks thumb piece or locks latch bolt in retracted position	Outside by key; inside master key locks latch bolt in retracted position	Outside by key or knob; inside master key locks knob or locks latch bolt in retracted position
Lock†	A2658½ see page 201	A2658½ see page 201	A2659½ see page 201
Outside Trim	As specified (see pages 198, 199)	As specified (see pages 198, 199)	Knob 4872¼ Cosmic Escut. 3902½ Century
Cylinders	Outside No. 110½ Inside No. 13	Outside No. 110½ Inside No. 13	Outside No. 112 Inside No. 13
Weight Per Set	9 lb.	9 lb.	8 lb.

Installation On Single Doors



†Lock with regular cylinder listed. See page 201 for master ring cylinder lock numbers.

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

FIRE EXIT BOLTS

Heavy-Duty Vertical Type — EXITER Series — Reversible

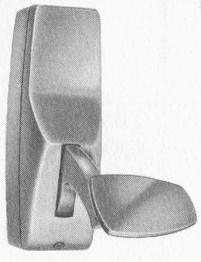
brass, bronze, anodized aluminum or stainless steel

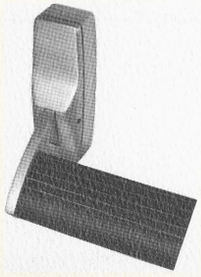


With hold open feature. To order prefix H to bolt number, i.e., H792, etc.

No. 792
Type of Nos. 791, 798, 701 and 708

Paddle Operation: Paddle No. 539 can be ordered in place of crossbar. To order, suffix "x 539" to bolt number, i.e., 792 x 539, etc. (Not UL Listed)





3 in. Cross Bar: Available with 3″ cross bar in place of regular. Available in anodized aluminum only, satin (US28) or black (28B) finish. To order, prefix "3" to bolt number, i.e., 3708, etc.

Inside Operation: A slight pressure on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

UL Listed: Casualty requirements for safety. Marked "WL" to signify Listing.

Nylon Bearings: In lever arms, reduce wear on the ½ in. axle.

Dogging Devices: Provided in both Cases to lock cross bars in depressed position, holding latch bolt retracted; with stainless steel helicoil insert in cases to prevent wear and corrosion and to overcome loosening of locking screw.

Latch bolts are free latching and remain projected while the doors are open. Threshold should be used with these bolts so that bottom bolt will not drag on floor.

Can be furnished with top and bottom bolts which are held retracted while the doors remain open and are automatically released when door is closed. To order prefix H to number, i.e., H791, etc.

On all bolts the bottom latch has independent action allowing top latch to remain engaged even when bottom latch is forced out of strike or when strike is obstructed.

Can be furnished with no bottom rod or bolt (latching by top rod and bolt only). To order, suffix NB to number, i.e., 791NB, etc.

Strikes: See page 200.

Cross Bars: Can be furnished with steel reinforcing tube. To order, prefix RC to bolt number, i.e., RC792, see page 211.

Can be furnished stock size for doors 7′6″ high x 3′6″ wide, to be fitted on the job to doors under this size. To order, suffix S to number, i.e., 792S.

Dimensions

Cases Heavy Wrought
Active and supporting case: 7¼ x 2⁹⁄₁₆ in.
Top and bottom cases: 4¼ x 1¾ in.

Cross Bars, Oval Seamless Tubing: 1¹³⁄₁₆ x 1⅜ in. — 065 in. thickness.

Vertical Rods: Inverted U shaped rectangular.

Projection: 6 in.

Minimum Width Of Stile: 3½ in.

Trim: As specified, see pages 198, 199.

Finishes: US3, US10, US26D, US28, US32D.

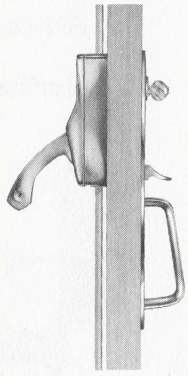
Trim shown for illustration purposes only. When ordering bolts, trim must be specified, i.e., 708 x 415 Modera, etc. See pages 198, 199 for trim available.

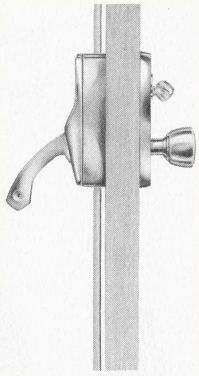
Vertical Fire Exit Bolts — Reversible

When cross bars are locked in depressed position by dogging device, the bolts are held retracted and doors operate on push-pull basis.

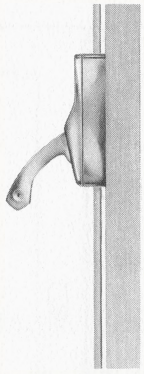
With free latching top and bottom bolts.

Can be furnished with bolts held in retracted position. To order prefix H to number, i.e., H791, etc.



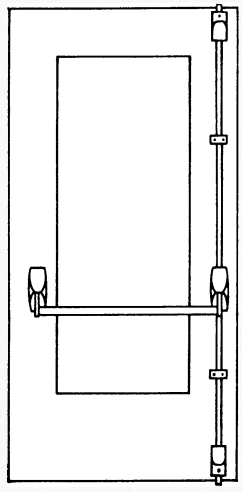


Number	No. 708	No. 701	No. 798	No. 791
Outside Operation	By thumb piece except when locked by key	By thumb piece except when locked by key, thumb piece automatically locked when key is removed	By knob except when locked by key	By knob except when locked by key; knob automatically locked when key is removed
Outside Trim	As specified (see pages 198, 199)	As specified (see pages 198, 199)	Knob 4872¼ Cosmic Escut. 777	Knob 4872¼ Cosmic Escut. 777
Cylinder	No. 1290	No. 1290	No. 1290	No. 1290
Weight Per Set	41 lb.	41 lb.	40 lb.	40 lb.

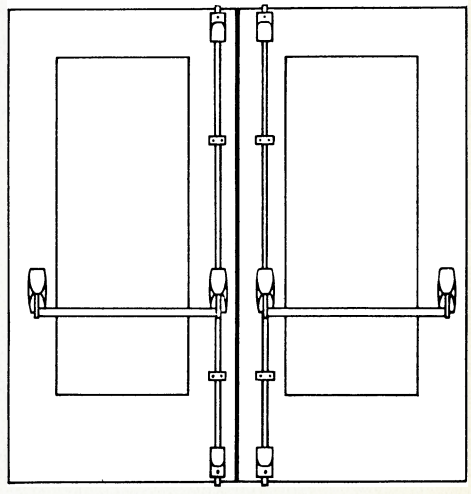


Number	No. 792
Outside Operation	No outside operation, for exit only
Outside Trim	None
Cylinder	None
Weight Per Set	19 lb.

Single Doors



Double Doors



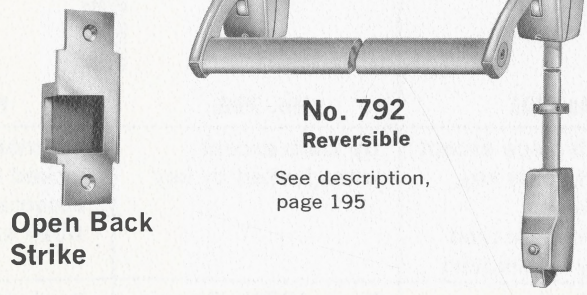
No. 792 Inactive door set. For active door set specify by any of the numbers above, i.e., Set 792 x 798, etc.

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

FIRE EXIT BOLTS

Heavy-Duty Mortise Lock Type By Vertical Type For Pairs Of Doors — EXITER Series

brass, bronze, anodized aluminum or stainless steel



Open Back Strike

Inactive Door

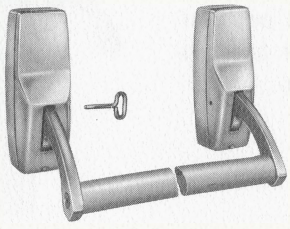
Vertical Type

No. 792
Reversible

See description, page 195

Active Door

Mortise Type



Nos. 796, NT796, 797, 799A
Reversible

Nos. 796½, NT796½, 797½
Not Reversible, Specify Hand

See description, pages 192, 193

Inside Operation: Either door operated from the inside at all times by a slight pressure on the cross bar affording immediate exit.

Latch bolts are free latching and remain projected while the doors are open.

Dogging Devices: Inactive and supporting cases will lock cross bar in depressed position holding latch bolts retracted and allowing doors to be operated push, pull; with stainless steel helicoil insert in cases to prevent wear and corrosion and to overcome loosening of locking screw.

Strikes: See pages 200, 201.

Mortise Locks: See page 201.

Minimum Width Of Stile: 4½ in.

Open Back Strike: Furnished with all locks for pairs of doors, allows doors to open and close independently of each other.

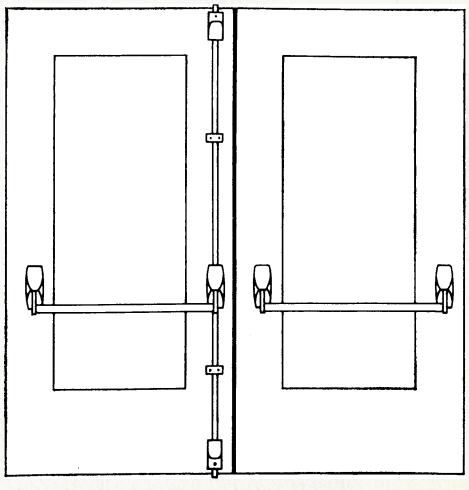
Finishes: US3, US10, US26D, US28, US32D.

Cross Bars: Can be furnished with steel reinforcing tube, to order prefix RC to number: i.e., RC796. See page 211.

Can be furnished stock size for doors 7′6″ high by 3′6″ wide; can be fitted on the job for doors under this size. To order suffix S to number, i.e., 796S.

Available in stainless steel, when so specified.

Trim: As specified, see pages 198, 199.



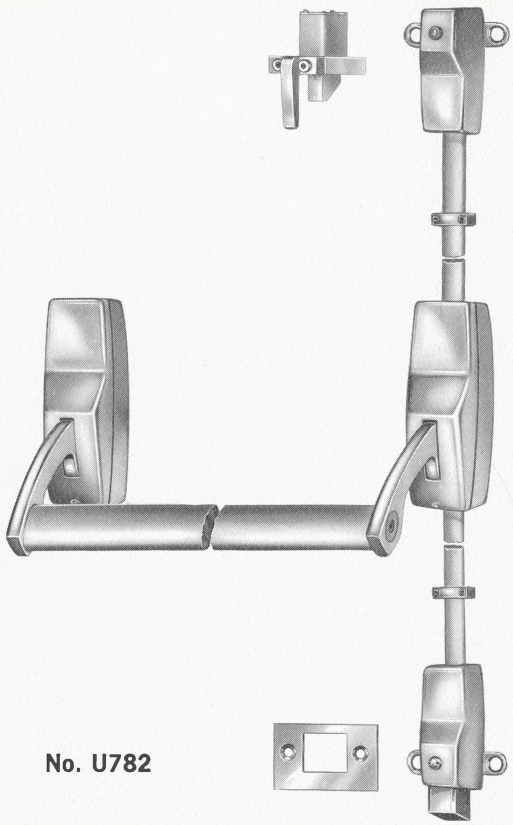
No. 792 Inactive door set. For active door set, specify inactive exit bolt 792 by any active bolt listed on page 193, i.e., 792 x NT796, etc.

FIRE EXIT BOLTS

Listed By Underwriters Laboratories For All Classes Labeled Doors

Heavy-Duty Vertical Type — EXITER Series — Reversible

brass, bronze, anodized aluminum or stainless steel



No. U782

Bottom Bolt is held retracted while the doors remain open and is automatically released when door is closed.
Inside Operation: A slight pressure on the cross bar will instantly release the door to allow immediate exit.
Drop Forged Lever Arms: Provide maximum strength at point of severest stress. (Lever arms are cast metal when ordered in stainless steel.)
Nylon Bearings: In lever arms, reduce wear on the ½ in. axle.
Minimum Width Of Stile: 3½ in.
Cross Bars: Can be furnished with steel reinforcing tube. To order, prefix RC to bolt number, i.e., RC-U782, see page 211.
Master Ring Cylinders: Can be furnished with master ring cylinder, prefix MR to number, i.e., MRU781.
Strikes: Regularly furnished with mortise bottom strike as shown. If surface bottom strike, for use with threshold, is required; suffix "x 782 FT" to number, i.e., U781 x 782FT, etc.
Trim: Knob and escutcheon. See No. 4872¼ Cosmic x 777, page 199. (Lever handles Citation, Royale or Tornay, page 82, may be furnished in place of knob when ordered. Suffix L to escutcheon number and specify design, i.e., U788 x Citation x 777L, etc.)
Finishes: US3, US10, US26D, US28, US32D.

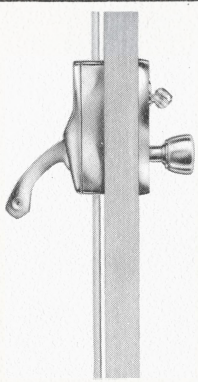
Dimensions

Cases Heavy Wrought
Active and supporting case: 7¼ x 2 9/16 in.
Top and bottom cases: 4¼ x 1¾ in.

Cross Bars, Oval Seamless Tubing: 1 13/16 x 1⅜ in. — 065 in. thickness.

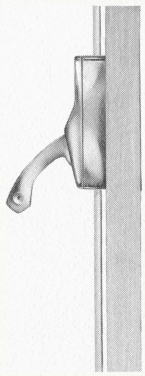
Vertical Rods: Solid rectangular.

Projection: 5¾ in.



No. U788
By knob except when locked by key

No. U781
By knob except when locked by key; knob automatically locked when key is removed



No. U782
No outside operation, for exit only

UL Listed: Labeled as Fire Exit Hardware for all classes labeled doors. Bears UL label. Maximum size of door 3'8" x 7'2". When used on inactive door of pairs of labeled doors, co-ordinator must also be used. (See No. 4369, page 212).

Underwriters' Laboratories, Inc.®
LISTED
● FIRE EXIT HARDWARE ●
NO.
RUSSWIN - NEW BRITAIN, CONN.

Double Doors: Vertical Rod x Mortise Bolt — No. U782 Inactive door set. For active door set specify by any of the numbers (U type) shown on page 193, i.e., Set U782 x U796, etc.

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

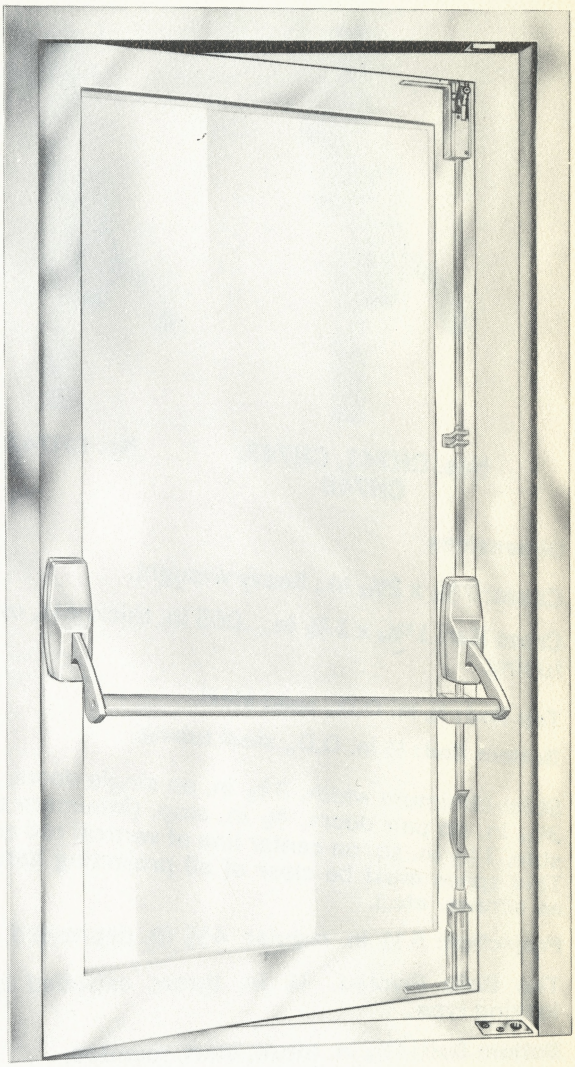
RUSSWIN

EXITER Concealed Vertical Type — "740 Series"

Handed — Specify Hand

brass, bronze, aluminum or stainless steel*

For single or pairs of doors — hollow metal doors (must be adequately reinforced by door manufacturer) — 1¾ in. thickness (other thicknesses to order).



Construction: All parts made to provide maximum strength and assembled so that a slight push on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress. (Arms are cast metal when ordered in stainless steel.)

Nylon Bushings: In lever arms, reduce wear on the ½ in. axle.

Dogging Devices: Provided in both Cases to lock cross bars in depressed position, holding latch bolts retracted.

Protection: In addition to providing safety these bolts also assure, with their dead-locking latch bolt, adequate security against unauthorized entrance.

Inside Operation: All bolts operated from inside at all times by a slight push on the cross bar.

Independent top and bottom latch templating.

Vertical rod adjustment is automatic.

Bolts regularly furnished with center line of cross bar to be 37" from bottom of door, other lengths furnished when ordered.

Master Ring Cylinder: Prefix MR to number when master ring cylinder is required, i.e., MR CH741, etc.

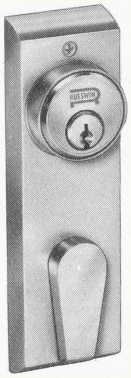
Cross Bars: Can be furnished with steel reinforcing tube. To order, prefix RC to bolt number, i.e., RC CH741, see page 211.

Finishes: US3, US10, US26D, US28, US32D.

Can be furnished stock size for doors 8'6" high x 3'6" wide, to be fitted on the job to doors under this size. To order, suffix S to number, i.e., CH741S, etc. (Also available for door heights 8'4" to 10'8", specify when required). Bolt must be ordered special for doors over these sizes.

See page 250 for concealed automatic door bolt.

* Cases and cross bar only in stainless steel — not outside operator.



Outside Operator

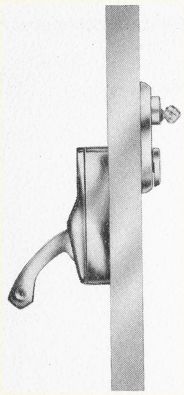
Size: 6⅜ x 1¾ in.
Projection: 1⅛ in.

Vertical position of operator on door is variable.

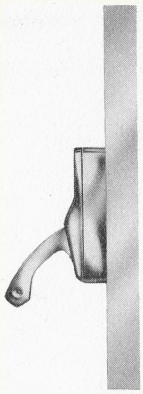
Outside Pulls optional as additional trim, either straight or offset to suit conditions (see Catalog Section 11 for pulls)

FIRE EXIT BOLTS

EXITER Concealed Vertical Type — "740 Series"



Nos. CH741, CH743, CH748



No. CH742

Dimensions

Cases: 7¼ x 2⁹⁄₁₆ in., heavy wrought.

Cross Bar: 1 ¹³⁄₁₆ x 1⅜ in., .065 in. thickness, oval seamless tubing.

Top Rod: ⅜ in. O.D., solid steel.

Bottom Rod: ½ in. O.D., steel tubing.

Stile: Minimum width, 3⅝ in. on single doors, ⅝ in. stop; 3¹⁄₁₆ in. on pair doors, ⅝ in. stop. (Minimum space inside stile, 1½ in. sq. on center line of vertical rod and top case. This space must be clear of all projecting hardware, such as screws, etc.).

Projection: 5¾ in. regular, 4¼ in. depressed.

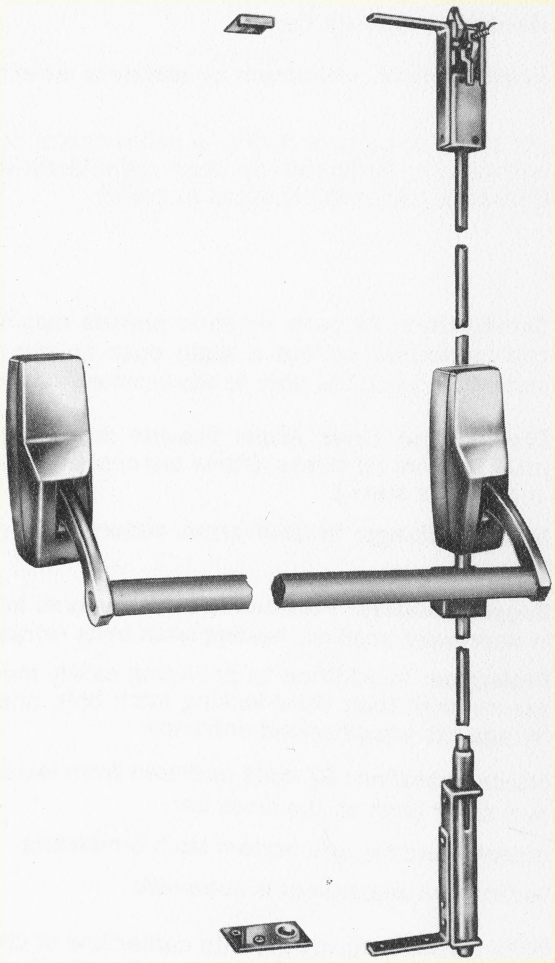
Top Bolt: Pivoted, ¾ in. throw, extruded brass, dead-locking type.

Bottom Bolt: ¹³⁄₁₆ in. throw, steel, rounded.

Cylinder: No. 0½, mortise type with standard cam.
(Unless master ring cylinder is specified.)

Number	No. CH742	No. CH748	No. CH741	No. CH743
Outside Operation	No outside operation, for exit only	By outside operator except when locked by key	By outside operator when unlocked by key; operator automatically locked when key is removed	By outside operator except when locked by key; key also used to hold top and bottom bolts in retracted position
Outside* Trim	None	Outside Operator	Outside Operator	Outside Operator
Cylinder	None	One No. 0½	One No. 0½	One No. 0½
Weight Per Set (Brass, Approx.)	12¾ lb.	15¼ lb.	15¼ lb.	15¼ lb.

*Outside pull not included, specify pull if desired. *packed:* 1 set per box



Underwriters' Laboratories, Inc.
LISTED
FIRE EXIT HARDWARE
NO.
RUSSWIN - NEW BRITAIN, CONN.

UL LISTED: Labeled as Fire Exit Hardware for all classes labeled doors. Prefix number U to number, i.e., UCH741. (No. CH743 not available as Fire Exit Hardware). Bears UL label. Furnished less dogging device. Maximum size of door 3'8" x 7'2". When used on pairs of labeled doors, co-ordinator must also be used; see No. 4369, page 212. Also listed in Underwriters' Accident Equipment List — Panic Hardware, letter WL stamped on case indicates listing.

For Pairs Of Doors: For door set, specify inactive exit bolt UCH742 by any active (U type) bolt listed on page 193, i.e., UCH742 x U796, etc.

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

Heavy-Duty Rim Type — 630 EXITER Series — Reversible

Cast brass, bronze, anodized aluminum or stainless steel



Inside Operation: A slight pressure on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Nylon Bearings: In lever arms, reduce wear on the 3/8 in. chrome plated steel axle.

Dogging Devices: Provided in both cases to lock cross bar in depressed position, holding latch bolts retracted. (U.S. and Foreign patents applied for). Also available "less dogging," suffix LD to number.

Cross Bars: Can be ordered with steel reinforcing tube for doors up to 36" by prefixing RC to number, i.e., RC6351/4. Can be furnished for doors over 36" and up to 42" in aluminum bolts only.
Available in stainless steel when so specified.

UL Listed: Casualty requirements for safety.

Minimum Width of Style:

6351/4 Function when used with:
Strike A7374 — 2 3/8 in.* Strike B7380 — 1 3/4 in. Strike A766 (page 200) — 2 in. Aluminum Mullion — 2 1/2 in. Steel Mullion — 2 3/4 in.
All other Functions when used with:**
Strike A7374 — 2 5/16 in.* Strike B7380 — 1 15/16 in. Strike A766 (page 200) — 2 3/16 in. Aluminum Mullion — 2 11/16 in. Steel Mullion — 2 15/16 in.

Finishes: US3, US10, US26D, US28, US32D.

If desired stock size for doors up to 3'6" wide, to be cut on the job for doors under this size, suffix S to number, i.e., 635S.

Dimensions:
Cast cases
Active and supporting case: 7 1/2 x 1 1/4 in.

Hinged latch bolt: 11/16 in. throw

Cross Bar: oval seamless tubing, 13/16 x 1 3/8 in.
.065 in. thickness.

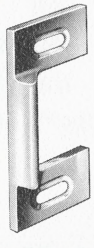
Projection: 4 7/8" regular, 3 1/8" depressed.

Backset: (For 1/2 in. Stops)

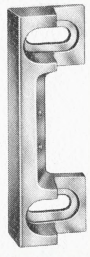
1 3/4" with Strike A7374

1 3/16" with Strike B7380

Strikes: cast brass, bronze or aluminum.



No. A7374
Size: 3 1/4 x 1 1/4 in.
Regularly furnished.



No. B7380
Size: 3 3/8 x 1 1/8 in.
Furnished only when ordered.

See page 200 for other Strikes available.

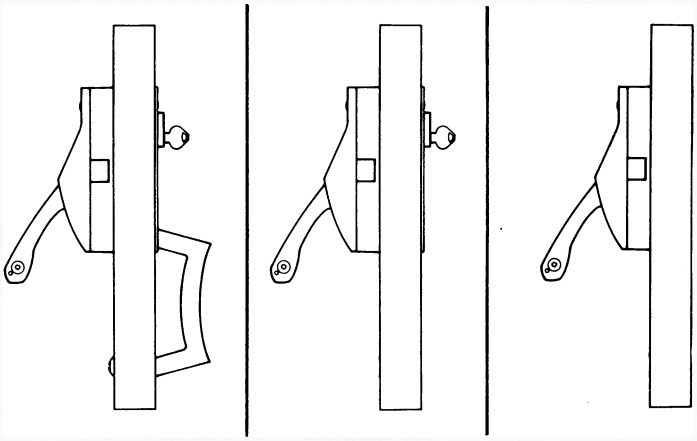
*For 1/2 in. Stop. Add 1/8 in. to figures for 5/8 in. Stop.
**Figures listed apply to NT421 or NT422 Rockford trim. If NT421 or NT422 Andre is used, add 1/8 in. to all figures.

FIRE EXIT BOLTS

Trim shown for illustration purposes only. When ordering bolts, trim must be specified, i.e., 635 x NT421 Andre, etc.

630 EXITER Series Rim Bolts For Single Doors

Can Also Be Used On Double Doors With Removable Mullion



Number	635	LT635	635¼
Outside Operation	Key retracts latch or locks latch bolt in retracted position	Key retracts latch or locks latch bolt in retracted position	No outside operation; for exit only
Outside Trim	As specified (see below)	917 Andre or Rockford	None
Cylinder	No. 1191	No. 1191	None
Weight Per Set	11 lb.	10 lb.	9½ lb.

Outside Trim — For Use With 630 EXITER Series Only

Finishes: US3, US10, US26D, US28 and US32D.

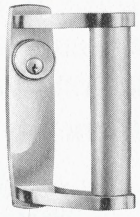


No. NT421

ANDRE DESIGN

Cast brass, bronze, aluminum or stainless steel

Overall Size: 12$^{29}/_{32}$ x 1$^{13}/_{16}$ in. on 421
7$^{7}/_{16}$ x 4 in. on 422
Projection: 2½ in.
Grip: 5⅜" c. to c. on 421
6 in. c. to c. on 422
Plate: 7$^{7}/_{16}$ x 1$^{13}/_{16}$ x ¼ in.



No. NT422
(Specify Hand)

Number	Operation:
NT421 Andre	Key and pull, no thumb piece
DNT421 Andre	Pull only, no thumb piece or cylinder
NT422 Andre	Key and pull, no thumb piece
DNT 422 Andre	Pull only, no thumb piece or cylinder
917 Andre	Key only, no thumb piece and pull

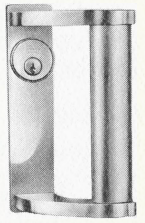


No. NT421

ROCKFORD DESIGN

Heavy wrought brass, bronze, aluminum or stainless steel.

Overall Size: 12⅜ x 1⅝ in. on 421
7 x 4 in. on 422
Projection: 2⅜ in.
Grip: 5⅜" c. to c. on 421
6 in. c. to c. on 422
Plate: 7 x 1⅝ x ⅛ in.



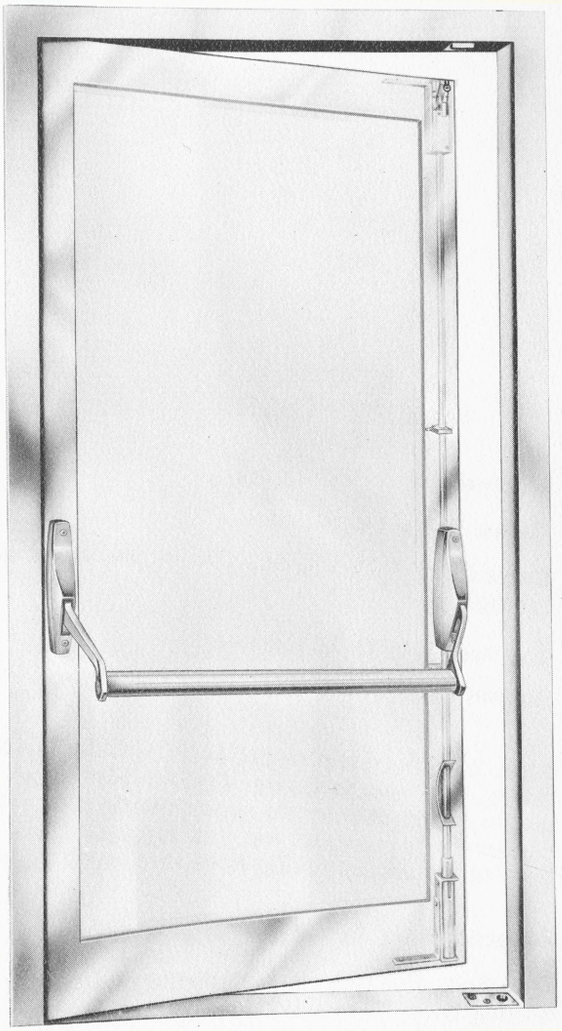
No. NT422
(Specify Hand)

Number	Operation:
NT421 Rockford	Key and pull, no thumb piece
DNT421 Rockford	Pull only, no thumb piece or cylinder
NT422 Rockford	Key and pull, no thumb piece
DNT422 Rockford	Pull only, no thumb piece or cylinder
917 Rockford	Key only, no thumb piece and pull

EXITER Concealed Vertical Type — "640 Series"

Reversible — Not Handed

cast brass, bronze, aluminum or stainless steel*



For single or pairs of doors — hollow metal doors (must be adequately reinforced by door manufacturer) — 1¾ in. thickness (other thicknesses to order).

Construction: All parts made to provide maximum strength and assembled so that a slight push on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Nylon Bushings: In lever arms, reduce wear on the ⅜ in. chrome plated steel axle.

Dogging Devices: Provided in both Cases to lock cross bars in depressed position, holding latch bolts retracted. (U.S. and Foreign Patents applied for.) Also available without dogging device, specify "less dogging" when ordering, i.e., CH643 less dogging.

Protection: In addition to providing safety these bolts also assure, with their dead-locking latch bolt, adequate security against unauthorized entrance.

Inside Operation: All bolts operated from inside at all times by a slight push on the cross bar.

Independent top and bottom latch templating.

Vertical rod adjustment is automatic.

Bolts regularly furnished with center line of cross bar to be 37" from bottom of door, other lengths furnished when ordered.

Master Ring Cylinder: Prefix MR to number when master ring cylinder is required, i.e., MR CH641, etc.

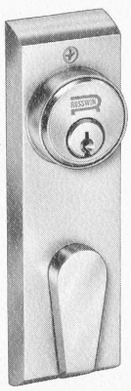
Cross Bars: Can be furnished with steel reinforcing tube for doors up to 36" by prefixing RC to bolt number, i.e., RC CH641, see page 211. Also furnished for doors over 36" and up to 42" in aluminum metal only.

Finishes: US3, US10, US26D, US28, US32D.

Can be furnished stock size for doors 8'6" high x 3'6" wide, to be fitted on the job to doors under this size. To order, suffix S to number, i.e., CH641S, etc. (Also available for door heights 8'4" to 10'8", specify when required). Bolt must be ordered special for doors over these sizes.

See page 250 for concealed automatic door bolt.

* Cases and cross bar only in stainless steel — not outside operator.



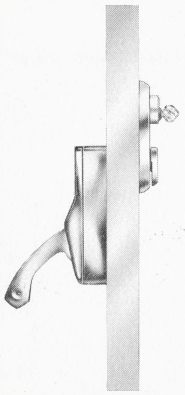
Outside Operator

Size: 6⅜ x 1¾ in.
Projection: 1⅛ in.

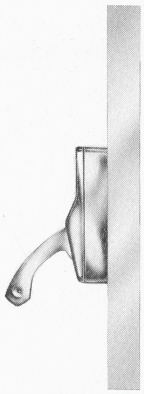
Outside Pulls optional as additional trim, either straight or offset to suit conditions (see Catalog Section 11 for pulls)

FIRE EXIT BOLTS

EXITER Concealed Vertical Type — "640 Series"



Nos. CH641, CH643, CH648



No. CH642

Dimensions

Cases: 7½ x 1¼ in., cast.

Cross Bar: 13/16 x 1⅜ in., .065 in. thickness, oval seamless tubing.

Top Rod: ⅜ in. O.D., solid steel.

Bottom Rod: ½ in. O.D., steel tubing.

Stile: Minimum width: CH 641, CH 643, CH 648: 1⅞"pairs doors, 2¼" single doors; CH642: 1¾" pairs doors, 2⅛" single doors. (Minimum space inside stile, 1½ in. sq. on center line of vertical rod and top case. This space must be clear of all projecting hardware, such as screws, etc.).

Projection: 4⅞ in. regular, 3⅛ in. depressed.

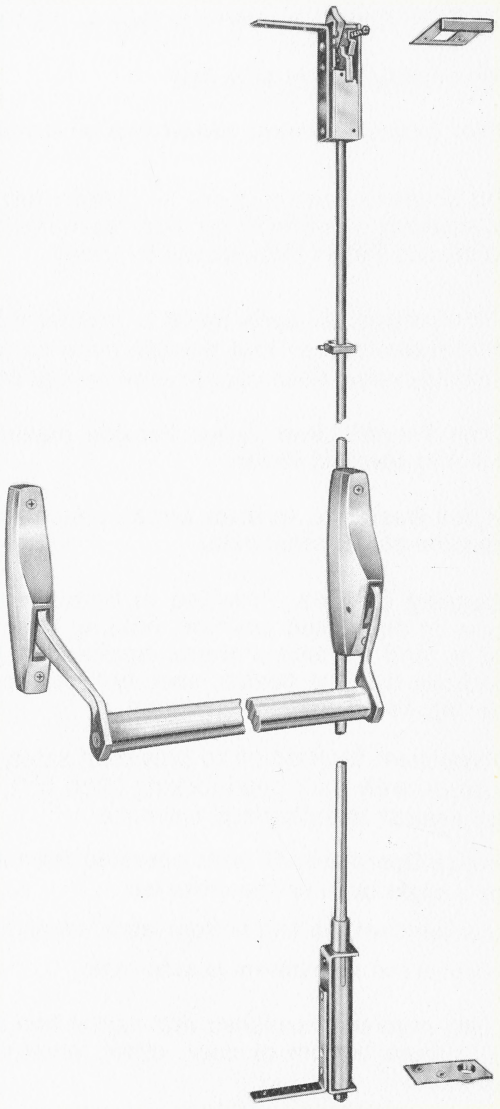
Top Bolt: Pivoted, ¾ in. throw, extruded brass, dead-locking type.

Bottom Bolt: 13/16 in. throw, steel, rounded.

Cylinder: No. 0½, mortise type with standard cam.
(Unless master ring cylinder is specified.)

Number	No. CH642	No. CH648	No. CH641	No. CH643
Outside Operation	No outside operation, for exit only	By outside operator except when locked by key	By outside operator when unlocked by key; operator automatically locked when key is removed	By outside operator except when locked by key; key also used to hold top and bottom bolts in retracted position
Outside* Trim	None	Outside Operator	Outside Operator	Outside Operator
Cylinder	None	One No. 0½	One No. 0½	One No. 0½
Weight Per Set (Brass, Approx.)	12¾ lb.	15¼ lb.	15¼ lb.	15¼ lb.

*Outside pull not included, specify pull if desired. *packed:* 1 set per box



Underwriters' Laboratories, Inc.
LISTED
● FIRE EXIT HARDWARE ●
NO.
RUSSWIN - NEW BRITAIN, CONN.

UL LISTED: Labeled as Fire Exit Hardware for all classes labeled doors. Prefix number U to number, i.e., UCH641. (No. CH643 not available as Fire Exit Hardware). Bears UL label. Furnished less dogging device. Maximum size of pairs of doors A label 7'4" x 7'2"; pairs of doors B, C, D, E label 8' x 8'. Also listed in Underwriters' Accident Equipment List — Panic Hardware, letter WL stamped on case indicates listing.

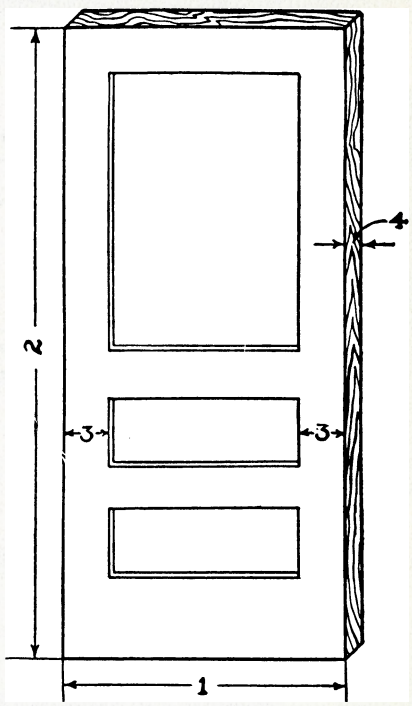
SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

Exiter stock series bolts are reversible and can be prepared at the job for doors up to 7′ 6″ high, 3′ 6″ wide and 1¾″ thick. For bolts ordered to size, information listed below is required.

Information For Ordering

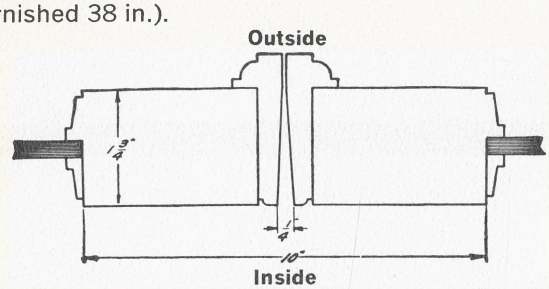
Measurements Required For Pairs Of Doors

1. Width of door.
2. Height of door.
3. Width of stile; see exit bolt required for minimum widths.
4. Thickness of door.
5. Thickness of stop (bolts regularly furnished for ½ in. stop).
6. Width of stop.
7. Specify hand of active leaf to which lock is applied (hand must be right hand reverse bevel or left hand reverse bevel).
8. Give detail of astragal.
9. Height from floor to center of cross bar (regularly furnished 38 in.).
10. When sill is not flat show section through it with relation to door.



Measurements Required For Single Doors

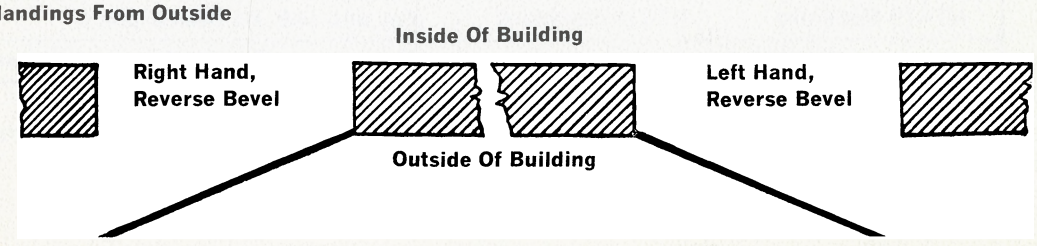
1. Width of door.
2. Height of door when vertical bolt is ordered.
3. Width of stile.
4. Thickness of door.
5. Thickness of stop.
6. Width of stop.
7. Specify hand (must be right hand reverse bevel or left hand reverse bevel).
8. Height from floor to center of cross bar (regularly furnished 38 in.).



Recommended split astragal for double doors.

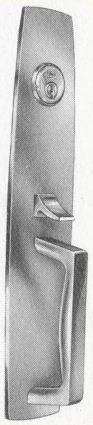
Handing Of Doors

Always Take Handings From Outside



FIRE EXIT BOLTS

Outside Trim — For Use With EXITER Series Only



Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
415 Andre	416 Andre	Key, thumb piece and pull
NT415 Andre	NT416 Andre	Key and pull, no thumb piece
DNT416 Andre		Pull only, no thumb piece or cylinder

Cast brass or bronze, or aluminum (.156 thick.);
Wrought stainless steel (.250 thick.)
Overall Size: 16 x 2⅝ in.
Projection: 2½ in.

Grip: 5⅜" c. to c.
Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.

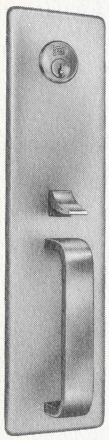


Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
415 Modera	416 Modera	Key, thumb piece and pull
NT415 Modera	NT416 Modera	Key and pull, no thumb piece
DNT416 Modera		Pull only, no thumb piece or cylinder

Cast brass or bronze or aluminum (.156 thick.)
Wrought stainless steel (.250 thick.)
Overall Size: 15 x 2⅝ in.
Projection: 2⁹⁄₁₆ in.

Grip: 075⅜, 5⅜" c. to c.
Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.



Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
415 Rockford	416 Rockford	Key, thumb piece and pull
NT415 Rockford	NT416 Rockford	Key and pull, no thumb piece
DNT416 Rockford		Pull only, no thumb piece or cylinder

Heavy wrought brass, bronze, aluminum or stainless steel — .051 thickness.
Overall Size: 14 x 3½ in.
Projection: 1⅞ in.

Grip: 5⅜" c. to c.
Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.

Finishes: US3, US10, US26D, US28 and US32D.

Door Thickness Data on *Thumb Piece* Trim:

Mortise and Rim Bolts — Available for doors 1¾ to 3½ in. thick.

Vertical Rod Bolts — Available only for doors 1¾, 2 and 2¼ in. thick.
(For doors over 2¼ in., knob trim should be used).

SPECIFY DOOR THICKNESS IF OTHER THAN 1¾ INCH

RUSSWIN

Outside Trim — For Use With EXITER Series Only



Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
425 Andre	426 Andre	Key, thumb piece and pull
NT425 Andre	NT426 Andre	Key and pull, no thumb piece
DNT426 Andre		Pull only, no thumb piece or cylinder

Cast brass, bronze, aluminum or stainless steel.
Overall Size: 14 x 2 1/16 in.
Projection: 2½ in.
Grip: 5⅜" c. to c.

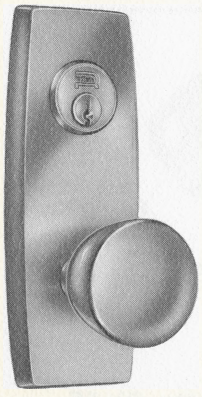
Cylinder Collar: 2 x 2 in.
Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.



Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
425 Ronde	426 Ronde	Key, thumb piece and pull
NT425 Ronde	NT426 Ronde	Key and pull, no thumb piece
DNT426 Ronde		Pull only, no thumb piece or cylinder

Cast brass, bronze, aluminum or stainless steel.
Overall Size: 14 x 2½ in.
Cylinder Collar: 2¼ in. diam.
Projection: 2 9/16 in.
Grip: 075⅜, 5⅜" c. to c.
Rosettes: 2½ in. dia.
Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.



Number, For Bolts As Follows:

Rim And Vertical Rod	Mortise	Operation:
4872¼ Cosmic x 777	4872¼ Cosmic x 3902½ Century	Key and knob

When required as dummy trim, prefix D to escutcheon number, i.e., 4872¼ Cosmic x D777, 4872¼ Cosmic x D3902½ Century.

Projection: 3⅛ in.

When master ring cylinder is required, prefix MR to escutcheon number, i.e., 4872¼ Cosmic x MR3902½ Century.

Knob: 4872¼ Cosmic, 2¼ in. diam., .080 thick. reinforced wrought brass, bronze, aluminum or stainless steel.

Escutcheon: 3902½ Century, 7¼ x 2½ in., .125 thick. Cast brass or bronze.

Stilemaker design knobs (pages 29-37) available in place of Cosmic knob with 3902½ Century escutcheon only (for use with mortise bolts). Specify knob number and design x 3902½ Century and exit bolt number, i.e., 4842¼ Haddam x 3902½ Century for 797½ exit bolt.

Finishes: US3, US10, US26D, US28 and US32D
(except escutcheon 777 or 3902½ Century, available US10 and US26D only).

FIRE EXIT BOLTS EXITER Series

Strikes

cast brass, bronze or aluminum

For Rim-Type Fire Exit Bolts

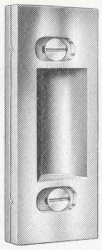


No. 7374 Size: 3¼ x 1³⁄₁₆ in.

For doors with ⅝ or ½ inch stops. (⅛ in. shim furnished for ½ in. stops)

Min. width of stile: 4⅛ in. with ⅝ or ½ in. stops. Furnished regularly. Nylon inserts provide anti-friction qualities and assure quieter operation.

No. 7374

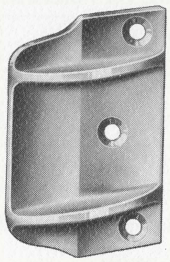


No. A766 Size: 3¾ x 1⁹⁄₁₆ in.

Adjustable to compensate for shrinkage and swelling of doors. Furnished only when ordered.

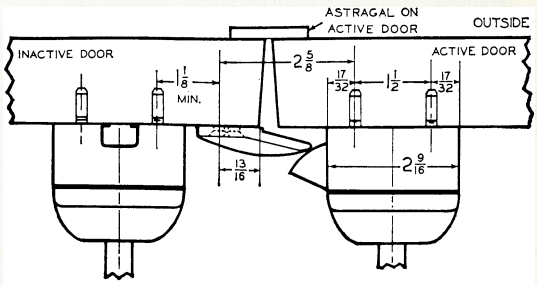
Min. width of stile: 3⁹⁄₁₆ in. with ⅝" stop, 3⁷⁄₁₆ with ½" stop.

No. A766



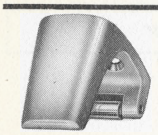
No. 4373

Strike for rim exit fixtures when used on pairs of doors with vertical bolt on inactive door.



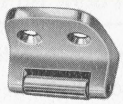
Also available: No. A7374 (not shown) for use on doors with ½ in. stops. Min. width of stile: 3¹⁵⁄₁₆ in. with ⅝" stop, 3¹³⁄₁₆ with ½" stop. Furnished only when ordered.

For Vertical Bolts



No. H790T

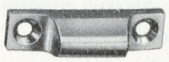
Top strike for bolts H791, H792, H798, H701 and H708; regularly furnished. Size: 2³⁄₃₂ x 1¾ in. — 2⁵⁄₃₂" high.



No. 792S

Top strike for bolts 791, 792, 798, 701 and 708; regularly furnished. Size: 1¾ x 1½ in. — ⅞" high.

Also available: Top Strike No. 752FL, for use in conjunction with Flush Transoms, furnished only when ordered.

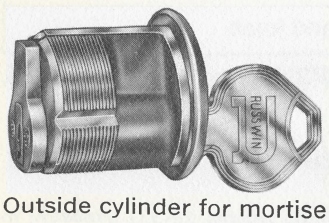


No. 792FT

Bottom strike for bolts 791, 792, 798, 708, 701, H701, H791, H792, H798 and H708; regularly furnished. Size: 2⁹⁄₁₆ x ¹⁹⁄₃₂ in. — ⅝" high.

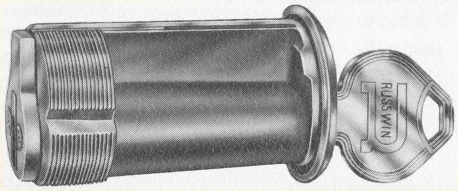
Also available: Flush Bottom Strike No. 792FB. Suffix "x 792FB" to bolt number, i.e., 708 x 792FB, etc. Size: 3½ x 1¾ in. — ⅞" depth.

Cylinders, Ball Bearing Pin Tumbler Type



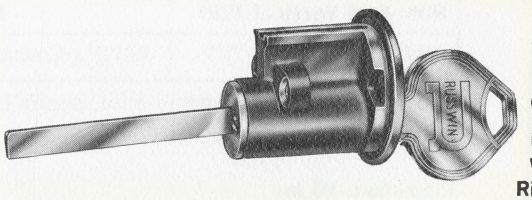
No. 1
Cast Brass, 6 pin.
Type Of 2, 111, 112

Outside cylinder for mortise exit bolt locks.



No. 13
Cast Brass, 6 Pin.

Inside cylinder for mortise exit bolt locks.

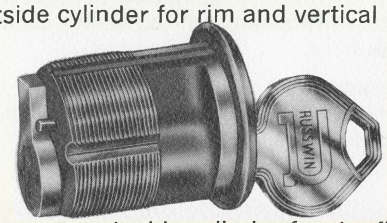


No. 1190
5 Pin.

No. 1290
6 Pin.

No. 2290
With Master Ring Cylinder
Cast Brass

Outside cylinder for rim and vertical rod fire exit bolts.



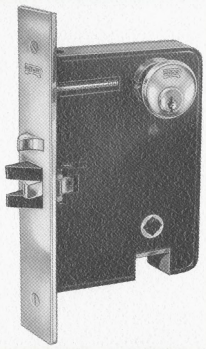
No. 0½FE
Cast Brass, 6 Pin.

Inside cylinder for rim fire exit bolts.

RUSSWIN

For EXITER Series Mortise Bolts

Fire Exit Bolt Locks, Latch Bolt Operated By Rotary Action Reversible, Adjustable Front.



Nos. A2658, A2658½

With Regular Cylinder

Nos. A3658, A3658½

With Master Ring Cylinder Outside Only

Use With Exit Bolt Nos. 796, 796½, NT796, 799A.

When ordering for use with bolt NT796½ only, specify NT-A2658½ or NT-A3658½.

No. A2658, A3658: Latch bolt by cross bar or lever paddle inside at all times; by key or thumb piece outside except when thumb piece is deadlocked by key. Thumb piece is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. Latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward hinged side to limit, then toward latch side to limit. Then withdraw the key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action. — with nylon coating for endurance.

No. A2658½, A3658½: Same as above, except with two cylinders *(with lock A3658½ master ring cylinder is furnished on outside only, regular cylinder inside);* inside cylinder locks and unlocks thumb piece and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.



Nos. A2659, A2659½

With Regular Cylinder

Nos. A3659, A3659½

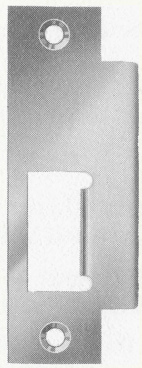
With Master Ring Cylinder Outside Only

Use With Exit Bolt Nos. 797, 797½.

No. A2659, A3659: Latch bolt by cross bar or lever paddle inside at all times; by knob outside except when knob is deadlocked by key. Knob is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. Latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward hinged side to limit, then toward latch side to limit. Then withdraw the key. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action — with nylon coating for endurance.

No. A2569½, A3659½: Same as above, except with two cylinders *(with lock A3659½ master ring cylinder is furnished on outside only, regular cylinder on inside);* inside cylinder locks and unlocks knob and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.



No. 9N

Strike (ASA Standard) Not Reversible, Specify Hand

Regularly furnished with mortise locks shown at left. ASA standard, 4⅞ x 1¼ in., 1⅛ in. lip to center unless otherwise ordered (lips from 1⅛ to 3 in. available on order).

Available with 16W wrought box when ordered.

UL Listed: Prefix U to number when used with Fire Exit Hardware. Furnished less latch hold-back feature.

packed: 1 per box

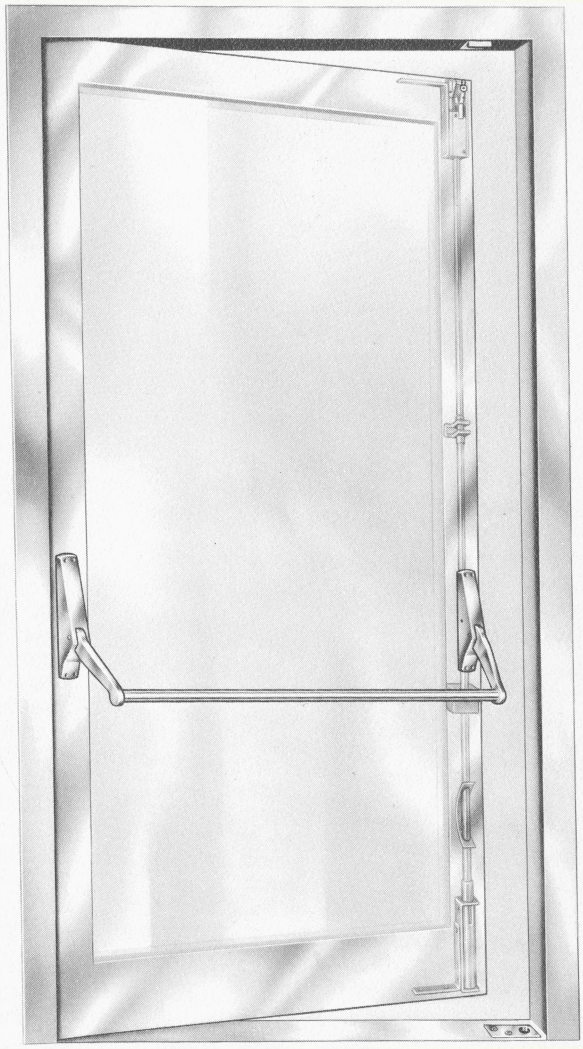
Lock No.	Armored Forged Brass Front, In.	Cast Iron Case, In.	Backset, Inches	Spacing, Inches	Type Of Spring	Bronze Hub, In.	Throw, In. Cast Bronze Bolt	ASA Cast Bronze Strike, No.	Ball Bearing Cylinder	2 Nickel-Silver Keys, Class
A2658 A2658½	8 x 1¼	5⅞ x 4 x ⅞	2¾	4¼	SC	⅜	¾	9N	One No. 1 Two: No. 111 x 13	5D1
A2659 A2659½	8 x 1¼	5⅞ x 4 x ⅞	2¾	3⅝	SC	⅜	¾	9N	One No. 2 Two: No. 112 x 13	5D1

SPECIFY NUMBER, HAND, FINISH AND THICKNESS OF DOOR

FIRE EXIT BOLTS

Concealed Vertical Type — "40 Series"
Reversible — Universal

brass, bronze or aluminum



For single or pairs of doors — hollow metal (must be adequately re-inforced by door manufacturer) and norrow line aluminum doors — 1¾ in. thickness (thicknesses greater than 1¾" to order).

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Nylon Bushings: In lever arms, reduce wear on the ⅜ in. extruded brass pivot.

Dogging Devices: Provided in both Cases to lock cross bars in depressed position, holding latch bolts retracted.

Protection: In addition to providing safety these bolts also assure, with their locking of doors, adequate security against unauthorized entrance.

Inside Operation: All bolts operated from inside at all times by a slight push on the cross bar.

Vertical rod adjustment is automatic.

Bolts regularly furnished with center line of cross bar to be 36¾" from bottom of door, other lengths furnished when ordered.

Master Ring Cylinder: Prefix MR to number when master ring cylinder is required, i.e., MRCH41, etc.

Cross Bars: Can be furnished with steel reinforcing tube. To order, prefix RC to bolt number, i.e., RC CH41, see page 211.

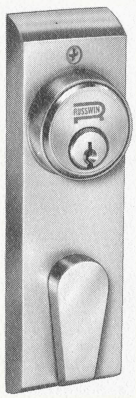
As furnished, this bolt is suitable for minimum door heights of 6'4" and maximum door heights of 8'6" without any change in bolt. (Also available for door heights 8'4" to 10'8", specify when required). Maximum door width of 3'6" — to be fitted on the job to doors under this size. For other size doors, bolt must be ordered special.

Finishes: US3, US4, US10, US26D, US28.

Underwriters' Laboratories, Inc.
LISTED
● FIRE EXIT HARDWARE ●
NO.
RUSSWIN - NEW BRITAIN, CONN.

UL Listed: Labeled as Fire Exit Hardware for all classes labeled doors. Prefix number U to number, i.e., UCH41. (No. CH43 not available as Fire Exit Hardware). Bears UL label. Furnished less dogging device. Maximum size of door 3'8" x 7'2". When used on pairs of labeled doors, co-ordinator must also be used; see No. 4369, page 212.

Also listed in Underwriters' Accident Equipment List — Panic Hardware, letter P stamped on case indicates listing.



Outside Operator

Size: 6⅜ x 1¾ in.

Projection: 1⅛ in.

Operator is regularly positioned 51¾ inches from bottom of door.

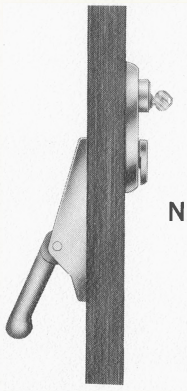
Outside Pulls optional as additional trim, offset to suit conditions (see Catalog Section 11, Page 246 for pulls)

See page 250 for Concealed Automatic Bolt.

RUSSWIN

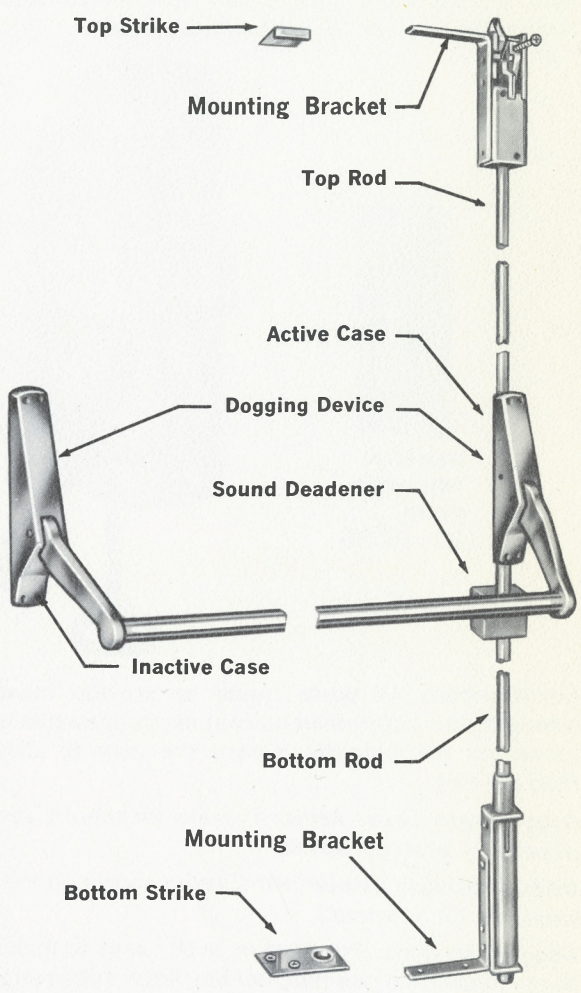
Concealed Vertical Type "40 Series"

Nos. CH41
CH43
CH48



No. CH42





Dimensions

Cases: 7½ x 1 1/16 in., heavy castings, helicoil inserts for dogging screws.

Cross Bar: 1 in. O.D., .065 in. thickness, seamless tubing.

Top Rod: ⅜ in. O.D., solid steel.

Bottom Rod: ½ in. O.D., steel tubing.

Stile: Minimum width, 1¾ in. (minimum space inside stile, 1½ in. sq. This space must be clear of all projecting hardware, such as screws, etc.).

Projection: 5½ in. regular, 3½ in. depressed.

Top Bolt: Pivoted, ¾ in. throw, brass, deadlocking type.

Bottom Bolt: 13/16 in. throw, steel, nylon coated.

Top Strike: 2" x 27/32" — Regularly surface applied, can also be mortised in frame if desired.

Bottom Strike: 4 3/16" x 1⅜" — Mortise application — Not required when metal threshold is used.

Mounting Brackets: Used when concealed screw mounting is desired. Not required if top latch and bottom bolt are secured by surface screws.

Cylinder: No. 0½, mortise type with standard cam (unless master ring cylinder is furnished).

Number	No. CH42	No. CH48	No. CH41	No. CH43
Outside Operation	No outside operation, for exit only	By outside operator except when locked by key	By outside operator except when locked by key; operator automatically locked when key is removed	By outside operator except when locked by key; key also used to hold top and bottom bolts in retracted position
Outside* Trim	None	Outside Operator	Outside Operator	Outside Operator
Cylinder	None	One No. 0½	One No. 0½	One No. 0½
Weight Per Set (Brass, Approx.)	12¾ lb.	15¼ lb.	15¼ lb.	15¼ lb.

*Outside pull not included, specify pull if desired.

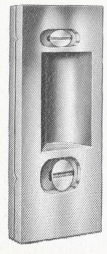
packed: 1 set per box

SPECIFY NUMBER, FINISH AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

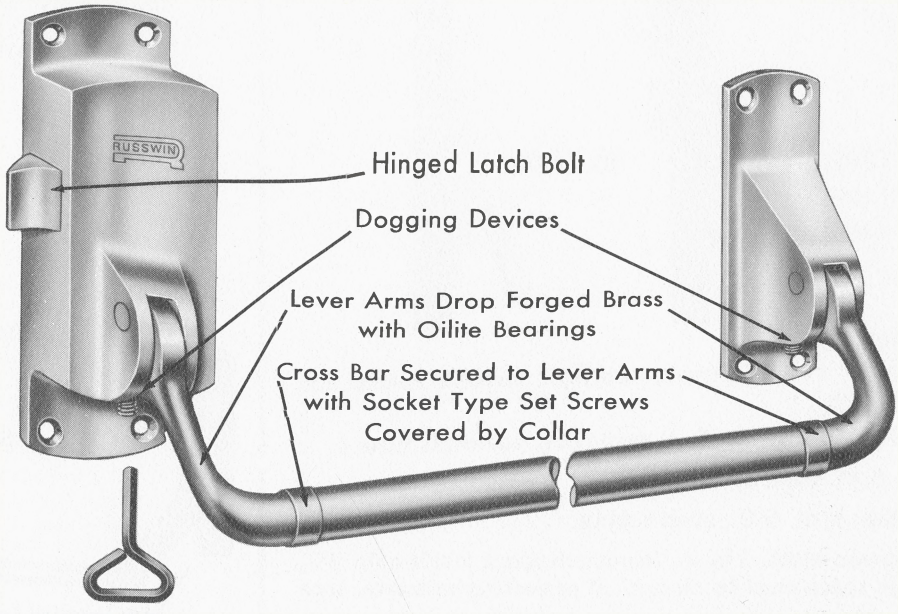
FIRE EXIT BOLTS

Heavy-Duty Rim Type — 465 Line — Not Reversible

brass, bronze or anodized aluminum



Universal Adjustable Strike
No. A466



Construction: All parts made to provide maximum strength and assembled so that slight pressure on the cross bar will instantly release the door to allow immediate exit.

Drop Forged Lever Arms: Provide maximum strength at point of severest stress.

Oilite Bearings: In lever arms, reduce wear on the ½ in. extruded bronze pivot.

Dogging Devices: Provided in both cases to lock cross bar in depressed position, holding latch bolts retracted; with stainless steel helicoil insert in cases to prevent wear and corrosion and to overcome loosening of locking screw.

Universal Strike: To suit most types of installation and adjustable to overcome shrinkage of doors.

UL Listing: Listed in Underwriters Accident Equipment List — Panic Hardware. Marked "M".

Dimensions

Heavy Cast Cases
- Active Case: 7 5/16 x 2¾ in.
- Supporting Case: 5¼ x 1 13/16 in.
- Hinged Latch Bolt: ¾ in. throw.

Cross Bar Seamless Tubing: 1 in. O.D. .065 in. thickness.

Projection: 4¼ in.

Backset
- For stops ½ in. Thick: 2 11/16 in.
- For Stops ⅝ in. Thick: 2 13/16 in.

Minimum Width Of Stile: 4¼ in. for doors with ½ in. stops. 4⅞ in. for doors with removable mullion.

Rim Sets For Single Doors

Can also be used on double doors with removable mullion, see pages 190, 191.

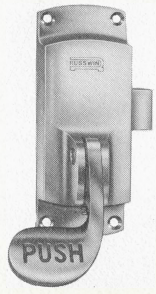
Can be furnished with sex bolts, to order.

Crossbars: Can be ordered with steel reinforcing tube by prefixing RC to number, i.e., RC465 (see page 211). If desired stock size for doors 3′ 6″ wide, to be cut on the job for doors under this size, suffix S to number, i.e., 465S.

Aluminum Lever Arm Lifting Finger: Lifting finger (aluminum only) has a black nylon coating. This coating is very resistant to friction and wear.

Finishes: DBL, SBL, US3, US10, US26D, US28

Optional Paddle For Exit Bolt Operation



Not Reversible — Specify Hand

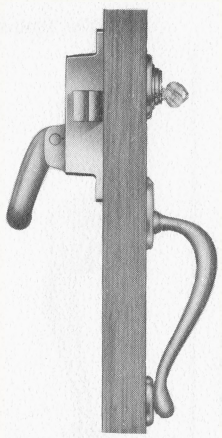
No. 596 paddle can be ordered in place of cross bars for operation of bolts when so desired.

To order, suffix "x 596" to bolt no., i.e., 465 x 596, etc.

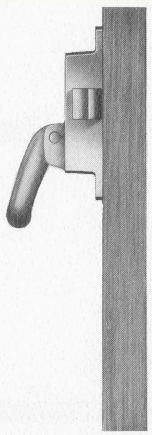
Projection: 4½ in.

SPECIFY NUMBER, FINISH, HAND AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

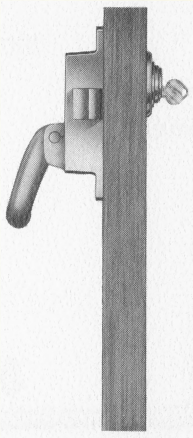
Operated from inside at all times by a slight push on the cross bar.



No. 465



No. 465¼



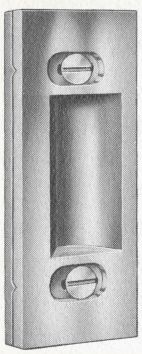
No. LT465

Number	No. 465	No. 465¼	No. LT465
Outside Operation	Key retracts latch bolt or locks latch bolt retracted	No outside operation; for exit only	By key only
Outside Trim	Pull No. NT420 Exbrook	None	Key and cylinder only
Cylinder	No. 1290 (see page 200)	None	No. 1290 (see page 200)
Weight Per Set	13 lb.	10½ lb.	11 lb.

Strikes,

cast brass, bronze or aluminum

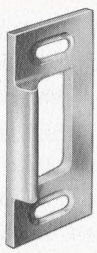
For Rim-Type Fire Exit Bolts



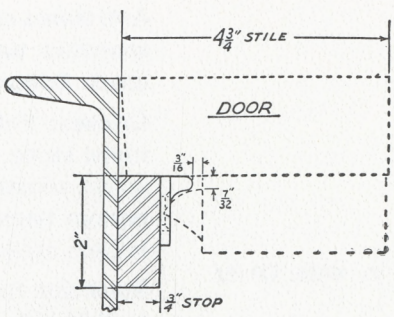
No. A466

No. A466 Size 3¾ x 1½ in.

Adjustable to compensate for shrinkage and swelling of doors. For wood frames.



No. A4374



For Hollow Metal and Channel Iron Frames

No. A4374. Strike for rim exit fixtures for single doors with channel iron jambs. Strike 1¼" wide, can be furnished for narrower stops when required to 1⅛ in. minimum.

This strike has a horizontal adjustment feature which compensates for the shrinkage and swelling at the door.

Standard Outside Trim

(For Optional Trim Available, see page 210)



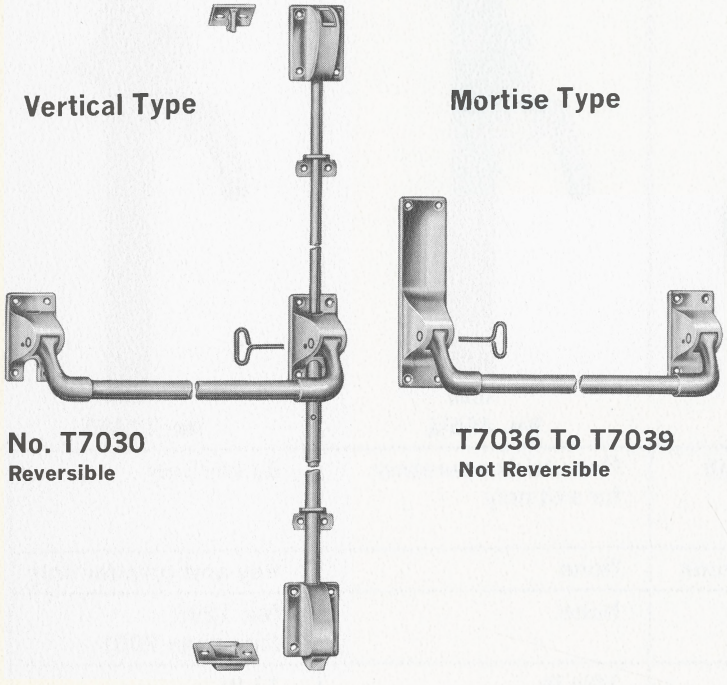


No. NT420 Exbrook

FIRE EXIT BOLTS

Medium Weight Mortise And Vertical Type — T7000 Line

cast iron

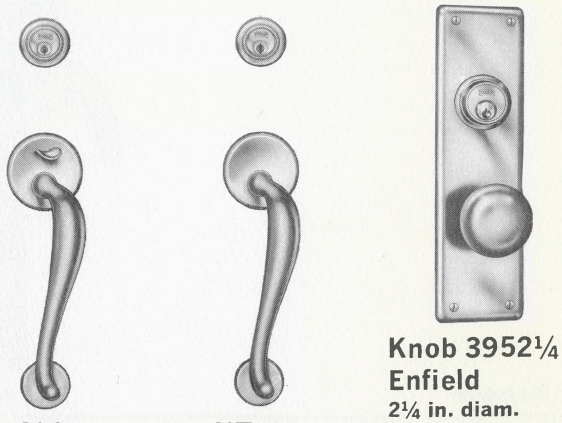


No. T7030
Reversible

T7036 To T7039
Not Reversible

Standard Outside Trim For T7036 To T7039

(For Optional Trim Available, see page 210)



No. 420 Exbrook
For Bolts T7036, T3036½

No. NT420 Exbrook
For Bolts T7036NT, T7036½NT

Cast Metal
Overall Size: 14 x 3 in.
Cylinder Collar: 2 in. diam.

Knob 3952¼ Enfield
2¼ in. diam.

Escut 3902½ Enfield
8 x 2½ in.
For Bolts T7037, T7037½
Cast Metal

Inside Operation: A slight pressure against cross bar will instantly release the door allowing immediate exit.

Dogging Devices: Provided in both Cases to lock cross bar in depressed position holding latch bolt retracted and allowing door to be operated push-pull.

Nos. T7036 To T7039

Single Doors Or Pairs Of Doors

Dimensions

Cast Iron Cases

Active Case: 8⅛ x 1⅞ in.
Supporting Case: 3¾ x 1⅞ in.

Lever Arms: Cast brass for all bolts.

Cross Bar: Seamless tubing ¾ in. O.D.

Minimum Width Of Stile: 4½ in.

Stock size furnished for doors up to 42 in. wide. Other sizes to order.

No. T7030

Single Doors Or Pairs Of Doors

No. T7030 can be used on pairs of doors, one set active and the other inactive.

Finishes: DBL dull bronze lacquered.
SBL silver aluminum lacquered.

Dimensions

Cast Iron Cases

T7030 Active Case: 3¾ x 1⅞ in., with dogging device.

Supporting Case: 3¾ x 1⅞ in., with dogging device.

Top And Bottom Cases: 3 x 2 3/16 in.

Arm levers cast brass for all bolts. Horizontal bar ¾ in. seamless tubing. Vertical rod. Top rod ½″ solid bar stock. Bottom rod ⅞″. Seamless tubing.

Latches: Rotary top latch laminated bronze with gun metal strike. Swing type bottom latch has independent action allowing top latch to remain locked even though bottom latch has been forced out of strike or when bottom strike is obstructed.

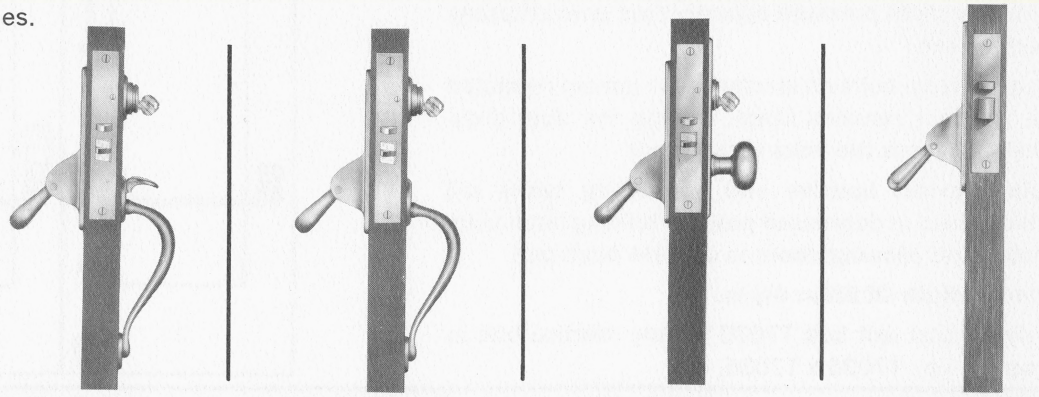
Stock size furnished for doors up to 42 in. wide and up to 8′ 6″ high. Other sizes to order.

On the vertical bolts the top rod telescopes into the bottom rod and they are drilled and pinned together after being adjusted to suit height of door.

Minimum Width Of Stile: 3½ in.

Sets, Mortise Type

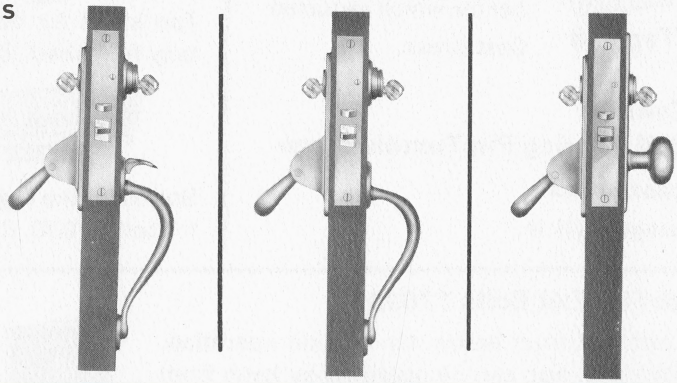
When latch bolts are locked in retracted position by key or dogging device, doors operate push-pull. For details on cylinders and strikes see page 208. These exit bolts furnished only in SBL (silver aluminum lacquer) or DBL (dull bronze lacquer) finishes.



Number	No. T7036	No. T7036NT*	No. T7037**	No. T7039A
Outside Operation	Key or thumbpiece; key locks thumbpiece or locks latch bolt in retracted position	Key retracts latch or locks latch bolt in retracted position	Key or knob; key locks knob or locks latch bolt in retracted position	No outside operation; for exit only
Lock	9458, see page 209	9458, see page 209	9459, see page 209	0441, see page 208
Outside Trim	Handle 420 Exbrook	Pull NT420 Exbrook	Knob 3952¼ Enfield Escut. 3902½ Enfield	None
Cylinders	1 No. 1	1 No. 1	1 No. 1	None
Weight Per Set	26 lb.	26 lb.	25 lb.	23 lb.

*Can be furnished with lock having ¾" throw latch bolt; specify lock A2359 (page 209).
** Can be furnished with lock having ¾" throw latch bolt; specify A2358⅝ (page 209).

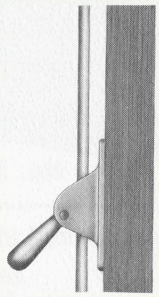
With Cylinders Both Sides



Number	No. T7036½	No. T7036½NT	No. T7037½†
Operation	Outside key or thumbpiece; inside key locks thumbpiece or locks latch bolt in retracted position	Outside key retracts latch bolt; inside key locks latch bolt in retracted position	Key or knob outside; inside key locks knob or locks latch bolt in retracted position
Lock	9458½, see page 209	9458½, see page 209	9459½, see page 209
Outside Trim	Handle 420 Exbrook	Pull NT420 Exbrook	Knob 3952¼ Enfield Escut. 3902½ Enfield
Cylinders	2 No. 1	2 No. 1	2 No. 1
Weight Per Set	26 lb.	26 lb.	26 lb.

†Can be furnished with lock having ¾" throw latch bolt; specify lock A2358½ (page 209).

T7030 Bolt, Reversible Vertical Type



No. T7030

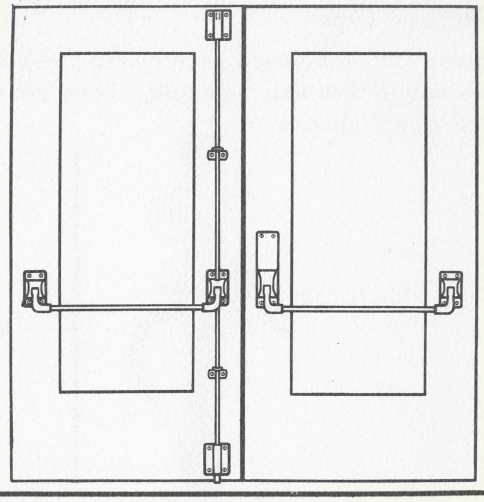
Operation: Operated from inside at all times by a slight push on cross bar. Top and bottom bolts remain retracted while the door is open and are automatically released when the door is closed. No operation from outside.

SPECIFY NUMBER, FINISH OF BOLT AND OUTSIDE TRIM AND FURNISH DETAIL INFORMATION LISTED ON PAGE 197

FIRE EXIT BOLTS

Fire Exit Bolts — T7000 Series

T7030 x T7036 To T7039: Pairs of Doors



Inside Operation: Either door operated from inside at all times by slight pressure against cross bars affording immediate exit.

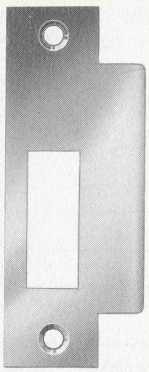
Top and bottom bolts on inactive door remain retracted while the door remains open. Closing the door automatically releases the bolts to lock door.

Dogging Device: Inactive and supporting cases will lock cross bars in depressed position holding latch bolts retracted and allowing doors to operate push-pull.

Minimum Width Of Stile: 4½ in.

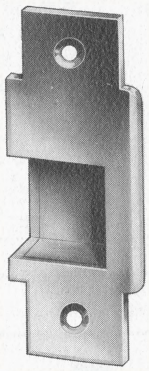
Specify vertical exit bolt T7030 by any mortise bolt in this series, i.e., T7030 x T7036, etc.

For Mortise Exit Locks 9458, 9459, 0441



No. 9FE

ASA strike, 4⅞ x 1¼ in., 1⅛" lip to center unless otherwise ordered. Furnished for single doors with locks 9458, 9458½, 9459, 9459½.



Type 18

Open back strike used for double doors with lock 9458, 9458½, 9459 and 9459½.

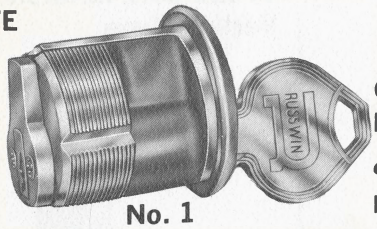
Allows doors to operate independently.

Specify thickness of doors.

Similar type for 0441 latch.

Not reversible. Specify type and lock number for which required

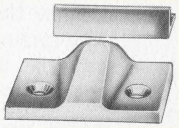
Cast brass.



No. 1

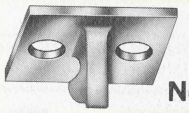
Cylinder
Ball Bearing Pin Tumbler Type
cast brass
Length: 1⅛ in.

For Vertical Rod Bolts



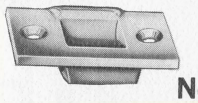
No. 2B

Stop for bottom of active door for double doors; furnished only when ordered. Cast brass.



No. 53

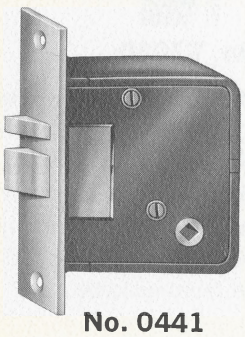
Top strike for bolt T7030; regularly furnished. Cast brass.



No. 50B

Bottom strike regularly furnished for bolt T7030. Cast brass.

Reversible Mortise Latch For Use With Fire Exit Bolts T7039A



No. 0441

No. 0441: By fire exit bolt from inside. No outside operation. When furnished with 5/16 in. hub can be operated by knob from inside. Has auxiliary latch to deadlock latch bolt.

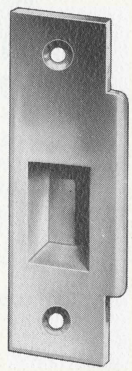
Case: Cast iron, 4½ x 3¾ x ⅞ in.

Front: Cast bronze, flat, 6 x 1 3/16 in.

packed: 1 per box

Latch No.	Backset, Inches	Type Spring	Bronze Hub, In.		Bronze Strike*	Throw, In. Cast Bronze Bolt
			Reg.	Spec.		
0441	2¾	SC	⅜	5/16	Type 4B, Wrought	⅝

*Lip to center, 1¼ in.



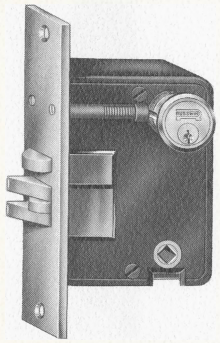
Type 15

Cast box strike used for single doors with 0441 latch.

Not reversible.

Fire Exit Bolt Locks, Latch Bolt Operated by Rotary Action

Not Reversible, Specify Hand; Beveled ½ in. in 2 in.



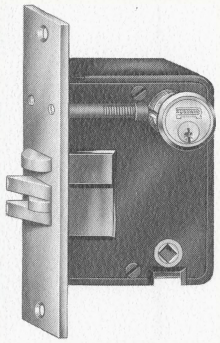
Nos. 9458, 9458½
Regular Cylinder

Nos. 9453, 9453½
Master Ring Cylinder*

No. 9458: Latch bolt by cross bar or lever paddle inside at all times; by thumb piece outside except when thumb piece is deadlocked by key. Thumb piece is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. When thumb piece is deadlocked, latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward back of lock. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action.

No. 9458½: Same as 9458, except with two cylinders; inside cylinder locks and unlocks thumb piece and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt. If desired flat front, prefix F to number, i.e., F9458, etc.



Nos. 9459, 9459½
Regular Cylinder

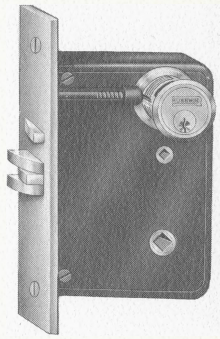
Nos. 9455, 9455½
Master Ring Cylinder*

No. 9459: Latch bolt by cross bar or lever paddle inside at all times; by knob outside except when knob is deadlocked by key. Knob is deadlocked when latch bolt is withdrawn by key and remains locked until unlocked by reverse throw of key. When knob is locked, latch bolt can be held in retracted position by pushing latch bolt in with finger and turning key toward back of lock. Auxiliary latch deadlocks latch bolt preventing manipulation when door is closed.

Latch bolt is of the anti-friction type, assuring easy action.

No. 9459½: Same as 9459, except with two cylinders; inside cylinder locks and unlocks knob and will hold latch bolt in retracted position. Outside cylinder only retracts latch bolt.

If desired flat front, prefix F to number, i.e., F9459, etc.



No. A2359
Type of Nos. A2358½, A2358⅝

No. A2359: Latch bolt by exit bolt from inside and key outside at all times. Latch bolt held retracted when cross bar or paddle of exit bolt is locked in depressed position by means of dogging device. Latch bolt cannot be locked in retracted position by cylinder.

For use with exit bolt T7036NT.

No. A2358½: Same as above, but in addition has two cylinders and knob outside which operates latch bolt unless locked by key from inside.

For use with exit bolt T7037½.

No. A2358⅝: Same as A2359 but in addition has knob outside which operates latch bolt except when locked by key from outside. For use with exit bolt T7037.

packed: 1 per box

Lock No.	Cast Bronze Front, In.	Cast Iron Case, In.	Backset Inches	Spacing, Inches	Type Of Spring	Bronze Hub, In.	Throw, In. Cast Bronze Bolt	Cast Bronze Strike, Type	Ball Bearing Cylinder	2 Nickel-Silver Keys, Class
9458 9458½	8 x 1¼	5¼ x 3 13/16 x ⅞	2¾	4¼	SC	⅜	9/16	9FE (ASA)	One: No. 1 Two: No. 1	5D1
9459 9459½	8 x 1¼	5¼ x 3 13/16 x ⅞	2¾	3⅝	SC	⅜ x 5/16	9/16	9FE (ASA)	One: No. 1 Two: No. 1	5D1
A2359 A2358½ A2358⅝	8 x 1¼	5¾ x 4 x ⅞	2¾	3⅝	TS	5/16 x ⅜	¾	4E†	One: No. 1 Two: No. 1 One: No. 1	5D1

†Wrought brass or bronze strike. Lip of strike 1¼ in. to center. Special lips available.
*Same operation and dimensions as 9458, 9458½, 9459, 9459½.

FIRE EXIT BOLTS

Fire Exit Bolt Trim For 465 And T7000 Series

brass, bronze or aluminum



420 Tower: Optional trim for bolts 465, T7036, T7036½, T7036NT, T7036½NT

NT420 Tower*
DNT420 Tower**
Optional Trim

Extruded Metal
Overall Size:
15 x 1½ in.
Cylinder Collar:
2¼ x 1½ in.



420 Modera: Optional trim for bolts 465, T7036, T7036½, T7036NT, T7036½NT

NT420 Modera*
DNT420 Modera**
Optional Trim

Extruded Metal
Overall Size:
15¾ x 1½ in.
Cylinder Collar:
2¼ x 1½ in.



430 Modera: Optional trim for bolts 465, T7036, T7036½, T7036NT, T7036½NT

NT430 Modera*
DNT430 Modera**
Optional Trim

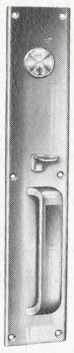
Extruded Metal
Overall Size:
15 x 1½ in.
Cylinder Collar:
2¼ x 1½ in.



410 Modera: Optional trim for bolts 465, T7036, T7036½, T7036NT, T7036½NT

NT410 Modera*
DNT410 Modera**
Optional Trim

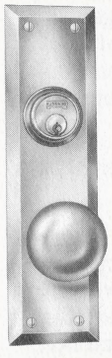
Extruded Metal
Overall Size:
15 x 3 in.



410 Rockford: Optional trim for bolts 465, T7036, T7036½, T7036NT, T7036½NT

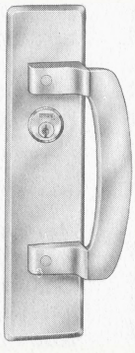
NT410 Rockford*
DNT410 Rockford**
Optional Trim

Heavy wrought metal
Overall Size:
14 x 3½ in.



BKS Lenox: Optional trim for bolts T7037, T7037½

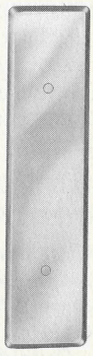
Cast Metal
Knob: 3952¼ Lenox
2¼ in. diam.
Escut.: 3902½ Lenox
8 x 2½ in.



639 Rockford†: Optional trim for bolt 465

629 Rockford†: Same as above except less cylinder, operation by pull only. For bolt 465¼.

Heavy wrought plate, cast grip
Overall Size:
14 x 3½ in.



619 Rockford†: Optional trim for bolts 465¼

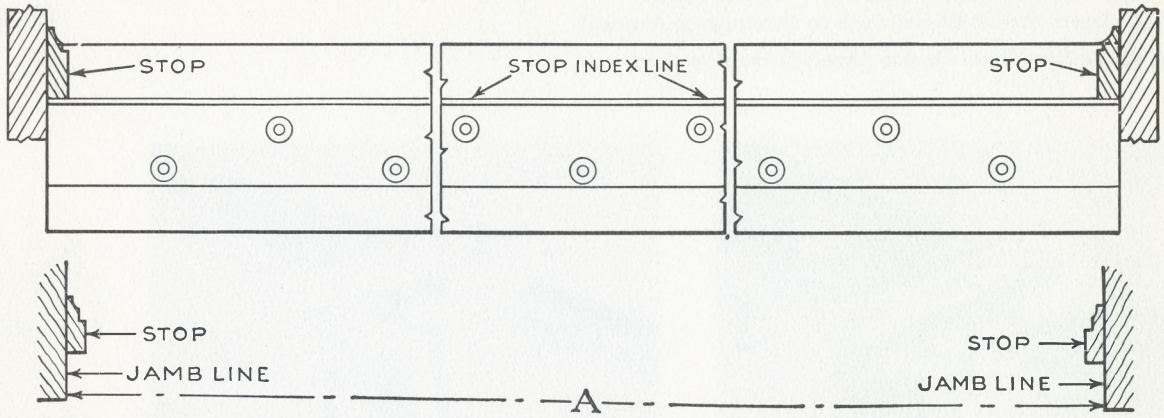
Heavy wrought plate, cast grip
Overall Size:
14 x 3½ in.

*No thumb piece. Operation by key only. **Dummy trim: no thumb piece. no cylinder

†For use on stock hollow metal doors and frames.
Filler plates regularly furnished: No. S4577, 2¼ x 1¼ in., cylindrical lock face plate — No. 9D, 4⅞ x 1¼ in., ASA standard, mortise lock strike plate.

Filler plates available only when ordered: No. S4590, 2¾ x 1⅛ in., cylindrical lock strike plate — No. S4578, 8 x 1¼ in., mortise lock face plate.

Thresholds — Weather-Proof, For Exterior Doors



Nos. A497, B497

"A" Length Of Threshold — Extreme Width Of Opening Between Jambs

Features

- Weather proof
- Stop full width of opening
- Three supports for strength
- Long sloping surfaces to lessen stumbling hazard

Width: 5 in.

Length: To order

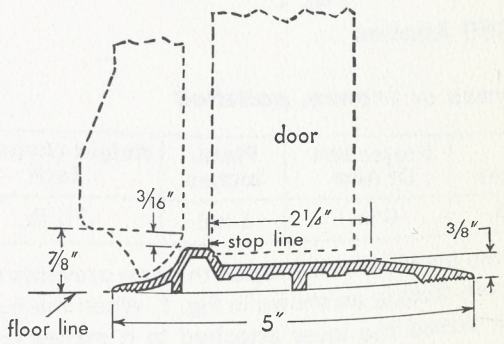
For doors up to 2¼ in. thick.

No. A497: Extruded aluminum.

No. B497: Extruded bronze.

Furnished with 1¼ in. — 5/16 x 18 F. H. machine screws and lead anchors with brass expansion nut.

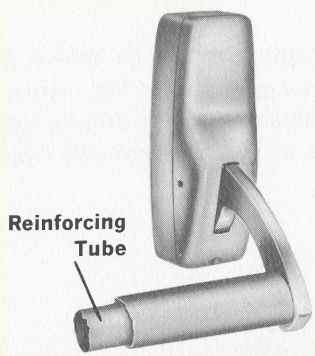
In ordering state (A) length of threshold required. Furnished 1 in. longer than ordered to allow contractor to cut to exact fit.



Nos. A497, B497

SPECIFY NUMBER AND LENGTH

Steel Reinforcing Tube



Steel Reinforcing Tube

465 and Exiter lines of fire exit bolts can be furnished with steel reinforcing. To order prefix RC to number; i.e., RC792.

Stainless Steel Cross Bars

Can be furnished with Exiter or 465 series of bolts, when so ordered.

FIRE EXIT BOLTS

Reg. U.S. Pat. Off.
Marca Registrada

Automatic Co-ordinating Device — Reversible

For Pairs Of Doors With Rabbeted Face Or Overlapping Astragal

Prevents Active Door From Closing Ahead Of Inactive Door

U.L. Approved

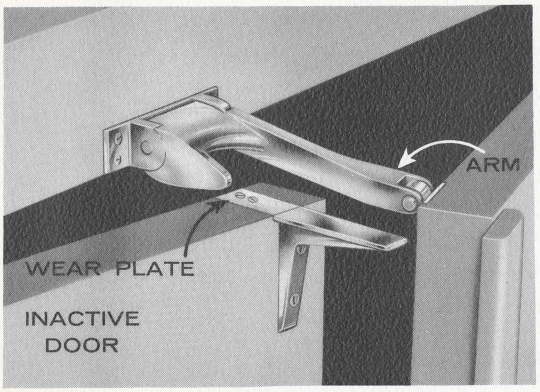


Fig. 1

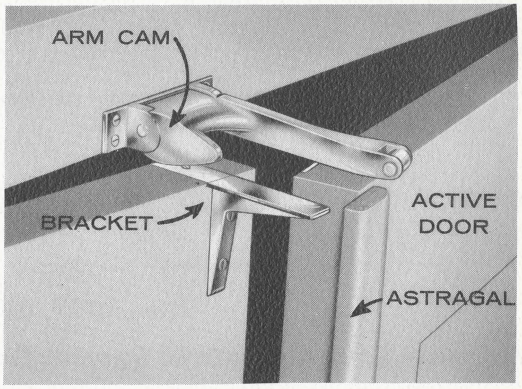
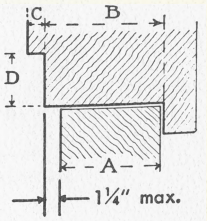


Fig. 2



No. 4369 Applied

cast brass or bronze, polished

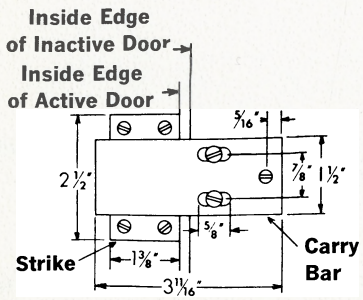
Number	Projection Of Arm	Plate, Inches	Weight (Approx.) Each
4369	6 in.	1 x 6	1¾ lb.

When the inactive door is open the arm prevents active door from closing as shown in Fig. 1. When the inactive door is closed the lever attached to it makes contact with the trip of the device which raises the arm so that active door will close beneath it, Fig. 2.

In ordering state thickness of door (A) and depth of rabbet (B). Maximum door thickness is 2¼ inches. If with trim, state "C" and "D". A minimum of 1 inch is required for dimension "D". At additional cost when required to meet unusual conditions.

Also available: **No. 4369-9,** arm is approximately 3½" longer than the 2369. Used on pairs of doors by double astragals such as used for Two and Three Point Lock applications and on Pairs of Doors by Carry Bar. With this Device, dimension "D" in line drawing above must be a minimum of 2".

Carry Bar And Strike



No. DR370

Used on double doors with astragal on active door. When the inactive door is opened from the inside, the carry bar projects the active door open simultaneously thus preventing damage to the astragal and over-lap strike.

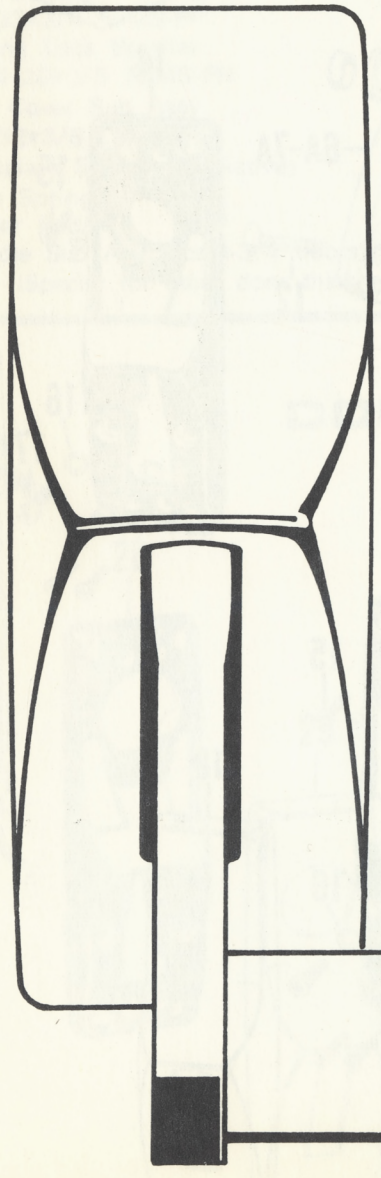
SPECIFY NUMBER, HAND, AND HARDWARE WITH WHICH IT IS TO BE USED, SUCH AS EXIT FIXTURES, THREE POINT LOCKS, ETC.

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

RUSSWIN®

PARTS LIST

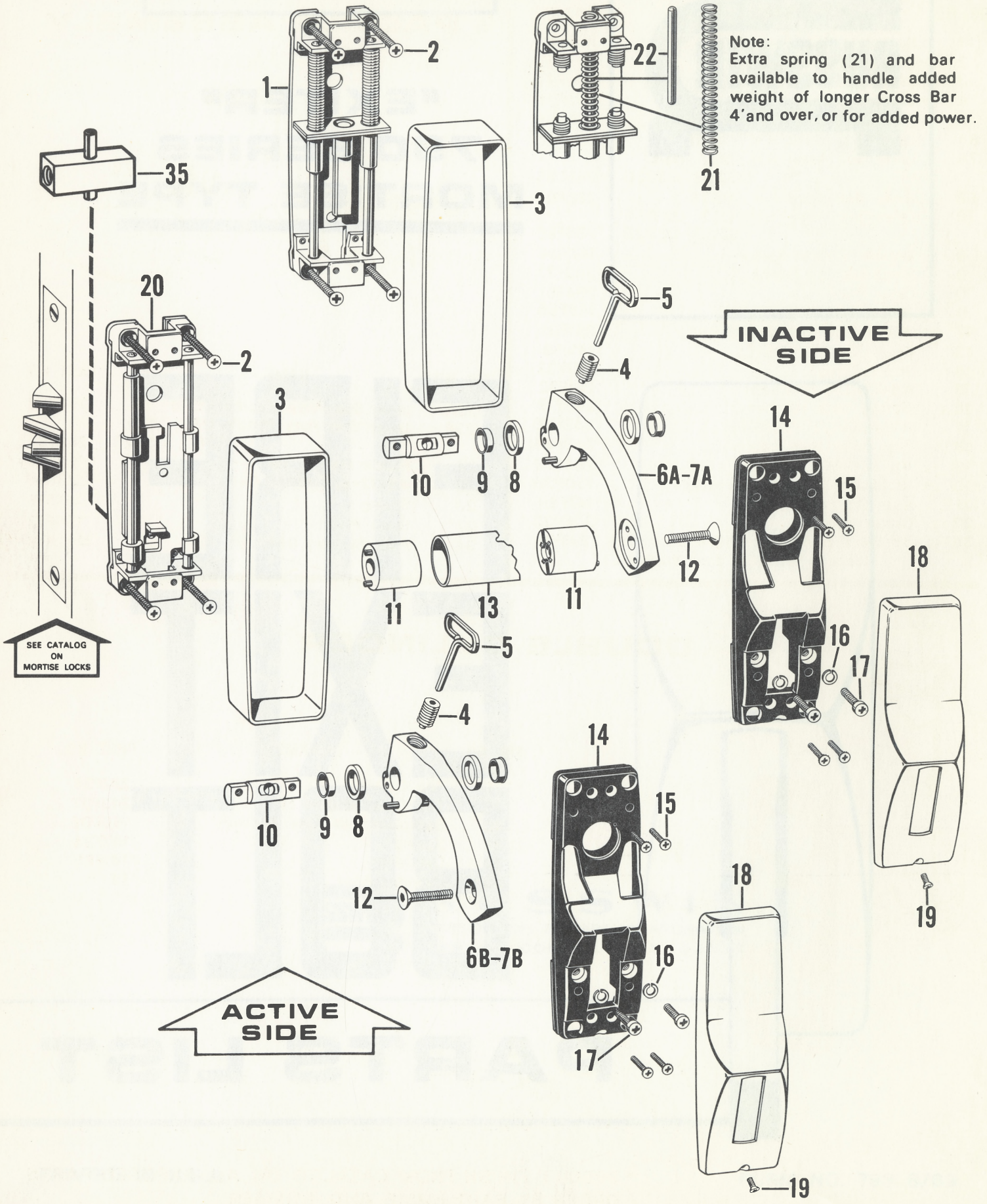
"EXITER"
790 SERIES
MORTISE TYPE



FIRE EXIT BOLT

PARTS LIST

FIRE EXIT BOLT — MORTISE



TYPE

SERIES: 797, 799A, 796, NT796, 797 1/2, 796 1/2, NT796 1/2

FIG. NO.	NAME	PART NO.
1	Backplate Sub Assy. (Inactive)	306F20
2	#12-24x2" FHMS-PH	255F41
3	Case	*141F84
4	Dogging Screw	243F74
5	Wrench	123F53
6A	Lever Sub Assy. R.H. US28	*286F87
7A	Lever Sub Assy. R.H. US3, US10, US26D, US32D	*286F85
6B	Lever Sub Assy. L.H. US28	*286F88
7B	Lever Sub Assy. L.H. US3, US10, US26D, US32D	*286F86
8	Washer (White Nylon)	147F84
9	Pivot Bushing (Nylon)	243F77
10	Lever Pivot	284F81
11	Tenon Sub Assy.	148F55
12	#5/16-24x1 1/2 FHMS-SOC.	*261F31
13	Cross Bar 37 11/16 Lg	*141L59
14	Top Casting	287F32
15	#8-32x3/4 FHMS-PH	261F30
16	Spring Lock Washer	243F79
17	#1/4-20x5/8 FRMS-PH	243F80
18	Top Cover Sub Assy.	*243F85
19	#8-32x3/8 OHMS-PH	*254F73
20	Backplate Sub Assy. (Active)	150F05
21	Slide Spring	147F88
22	Center Rod	306F22
35	Spindle Sub Assy. for 1-3/4 doors only. (Specify for other door thickness.)	186F98

PADDLE ASSEMBLY

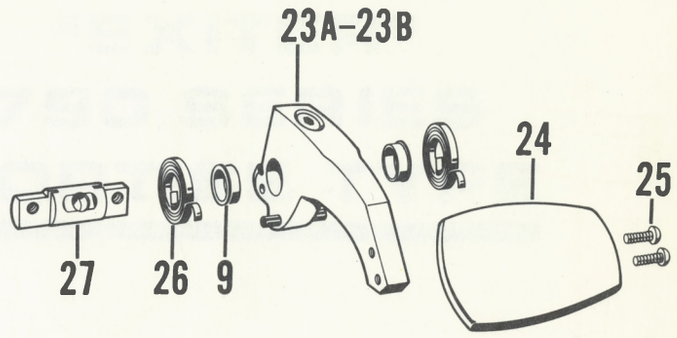


FIG. NO.	NAME	PART NO.
23A	Lever Sub Assy. Paddle US28	*286F98
23B	Lever Sub Assy Paddle US3, US10, US26D, US32D	*286F97
24	Paddle Handle Pad	* 153F57
25	#8-32×5/8 RHMS-PH	*223F68
26	Spring	154F75
27	Lever Pivot	154F73
34	Pivot Bushing (Nylon)	243F78

DOUBLE CYLINDER

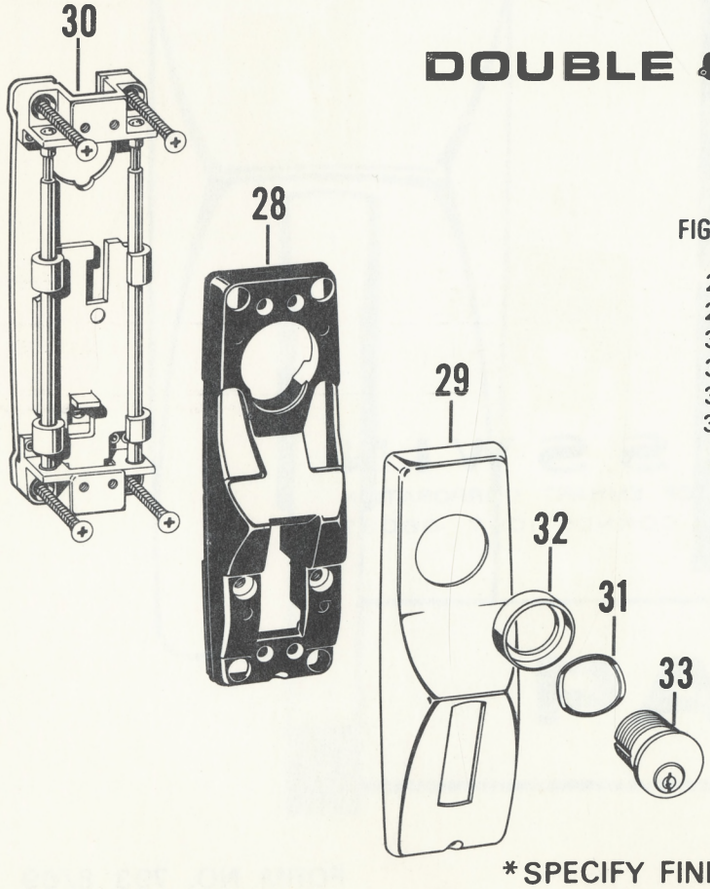


FIG. NO.	NAME	PART NO.
28	Top Casting	287F34
29	Top Cover double cyl.	*243F87
30	Backplate Sub Assy. (Active)	150F06
31	Spring	197F34
32	Cyl.Collar	*141F66
33	Cylinder Assy.	*13

*SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS
ORDER BY PART NAME AND NUMBER

RUSSWIN
DIVISION OF EMHART CORPORATION
BERLIN, CONNECTICUT 06037

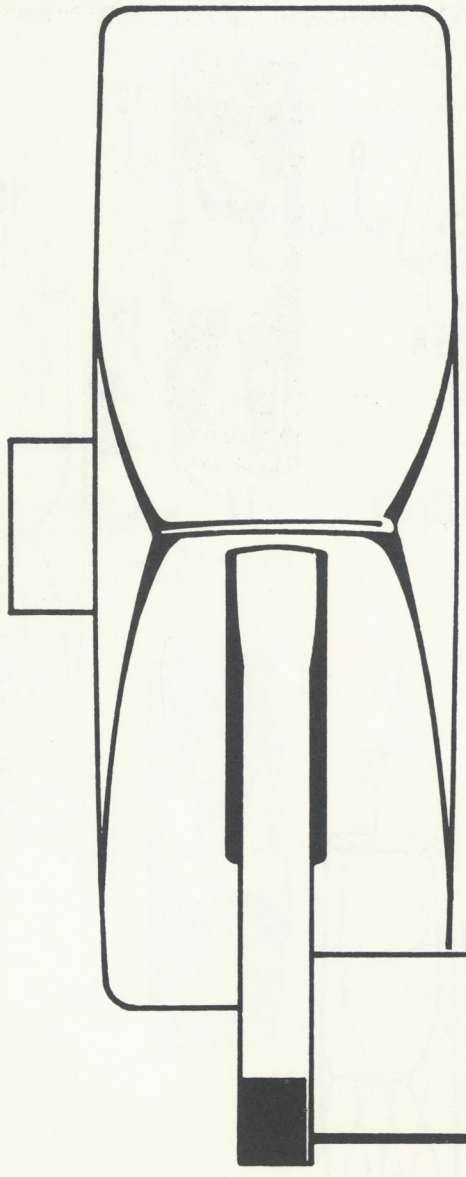
PRINTED IN U.S.A.

FORM NO. 793 8/69

RUSSWIN

PARTS LIST

"EXITER"
RIM TYPE

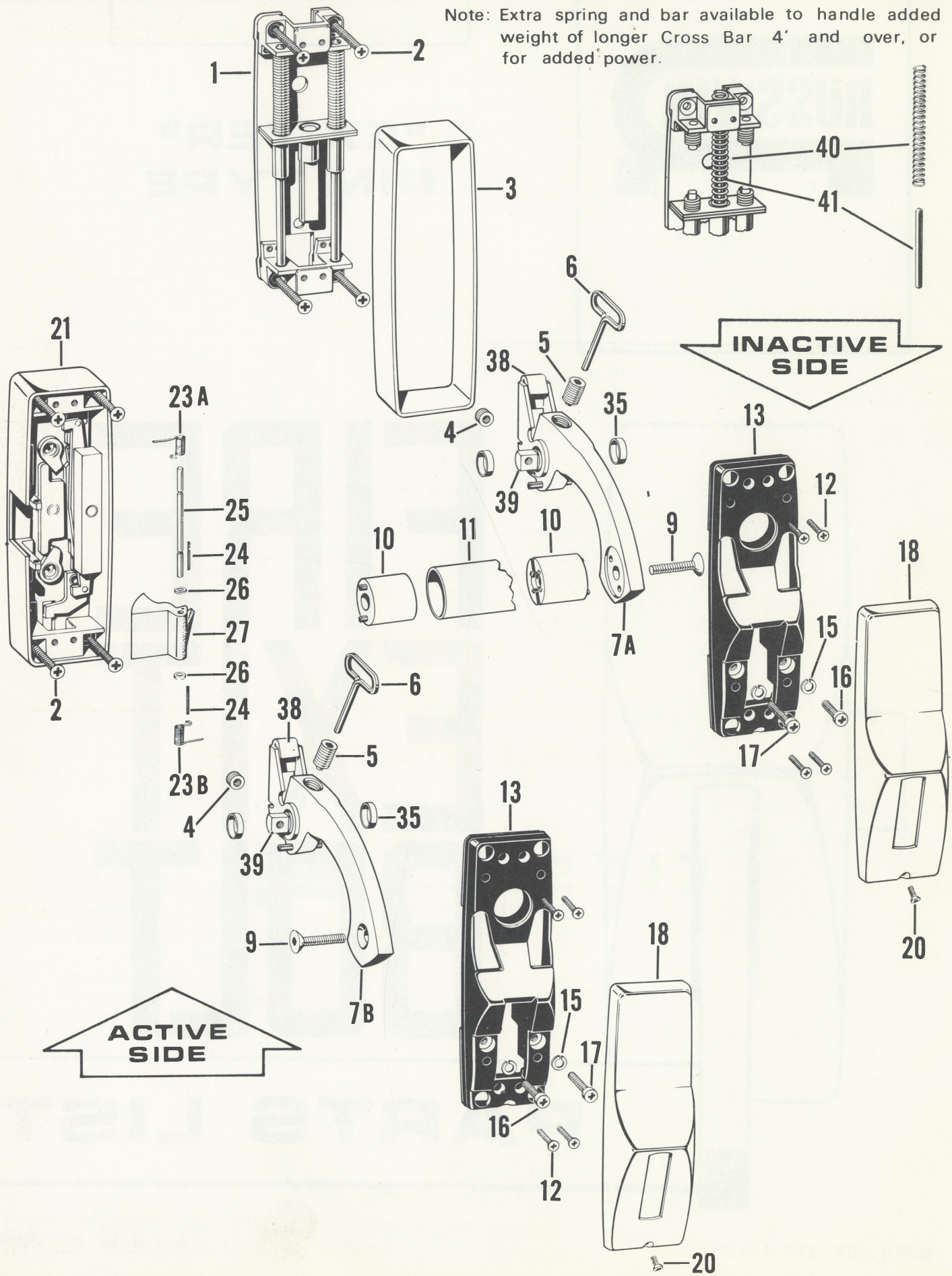


FIRE EXIT BOLT

PARTS LIST

"EXITER" FIRE EXIT BOLTS –

Note: Extra spring and bar available to handle added weight of longer Cross Bar 4' and over, or for added power.



RIM TYPE

SERIES: 736, 736 1/2, NT736, 737, 737 1/2, 736 1/4

FIG. NO.	NAME	PART NO.
1	Backplate Sub Assy	306F20
2	#12-24x2" FHMS-PH	255F41
3	*Case	*141F84
4	Stop Nut	243F76
5	Dogging Screw	243F74
6	Wrench	123F53
7A	Lever Sub Assy RH	*286F94-RH
7B	Lever Sub Assy LH	*286F93-LH
9	#5/16-24×1½ FHMS-SOC	*261F31
10	Tenon Sub Assy	148F55
11	Cross Bar 37 11/16 Lg.	*141L59
12	#8-32x¾ FHMS-PH	261F30
13	Top Casting	287F32
15	Spring Lock Washer	243F79
16	#¼-20X5/8 FRMS-PH	243F80
17	#¼-20-13/16 FRMS-PH	287F96
18	Top Cover Sub Assy	*243F85
20	#8-32X3/8 OHMS-PH	*254F73
21	Active Case Sub Assy	*142F32
23A	Latch Spring RH	187F88-RH
23B	Latch Spring LH	187F89-LH
24	ESNA Roll Pin	228F18
25	Latch Pin	166F34
26	Nylon Washer	164F32
27	Latch	*187F21
35	Pivot Bushing	243F77
38	Lifting Finger	284F77
39	Lever Pivot	284F80
40	Coil Spring	147F88
41	Center Rod	306F22

PADDLE ASSEMBLY

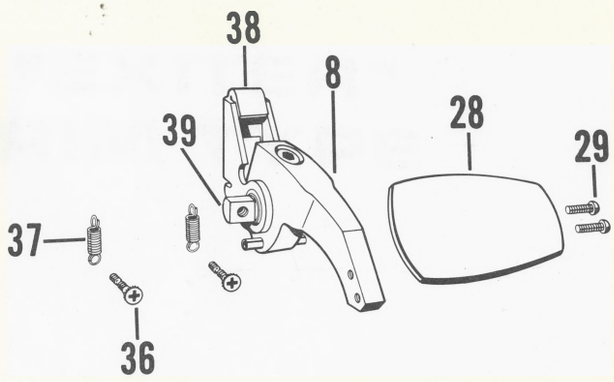


FIG. NO.	NAME	PART NO.
8	Lever Sub Assy	*287F01
28	Paddle Handle	*153F57
29	#8-32UNC-2AX5/8LG. RHP Slot MS	*223F68
36	Screw, SEMS Assy.	284F76-8
37	Spring	284F75-8

DOUBLE CYLINDER

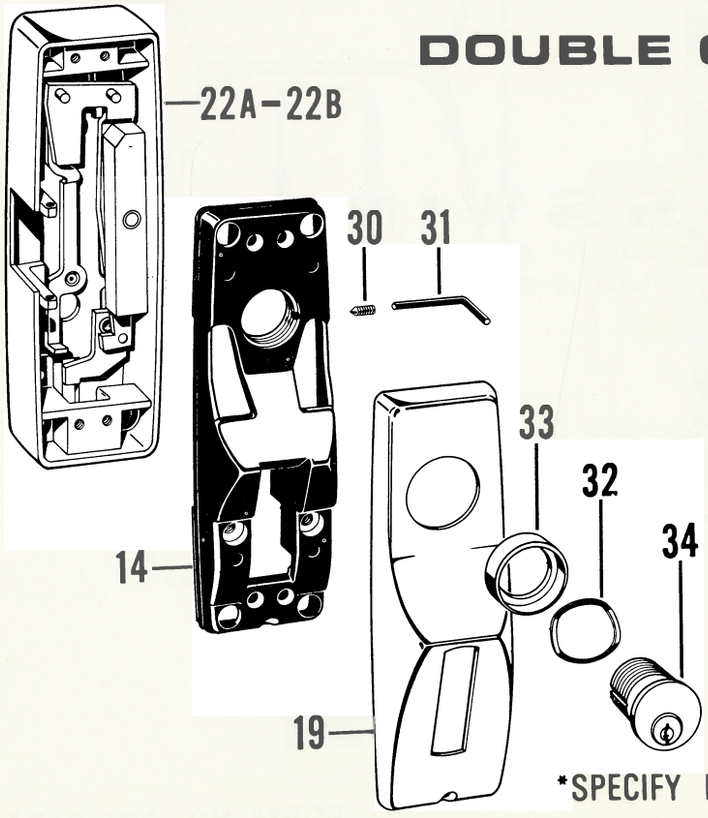


FIG. NO.	NAME	PART NO.
14	Top Casting	287F33
19	Top Cover double cyl.	*243F87
22A	Active Case Sub Assy	*142F33-RH
22B	Active Case Sub Assy	*142F34-LH
30	#8-32X3/8 HSS CONE-SOC	261F28
31	5/64 Hex Key	261F29
32	Spring	*197F34
33	Cyl.Collar	*141F66
34	Cylinder Assy.	*0½ FE

*SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS
ORDER BY PART NAME AND NUMBER



RUSSWIN
DIVISION OF EMHART CORPORATION
BERLIN, CONNECTICUT 06037

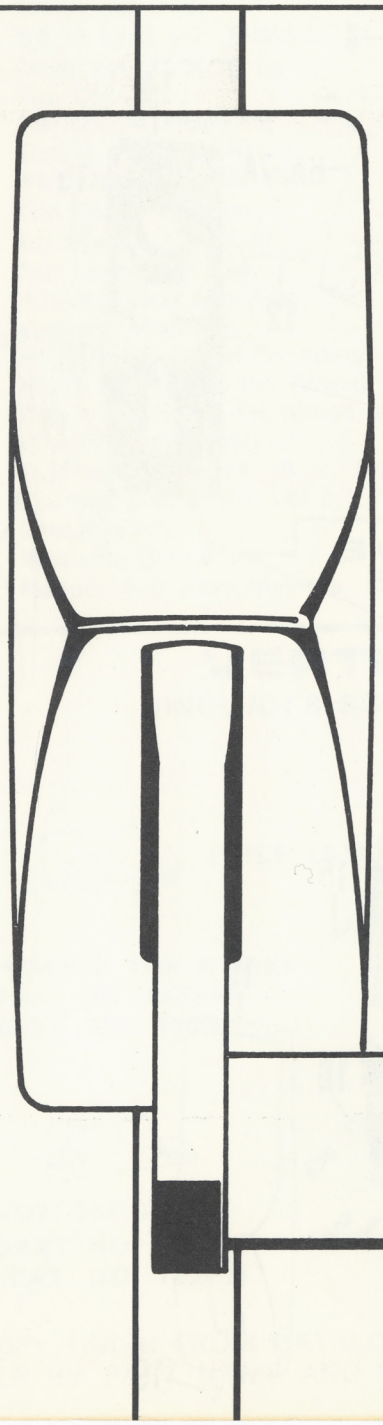
PRINTED IN U.S.A.

FORM NO. 731 6/69

PARTS LIST

RUSSWIN®

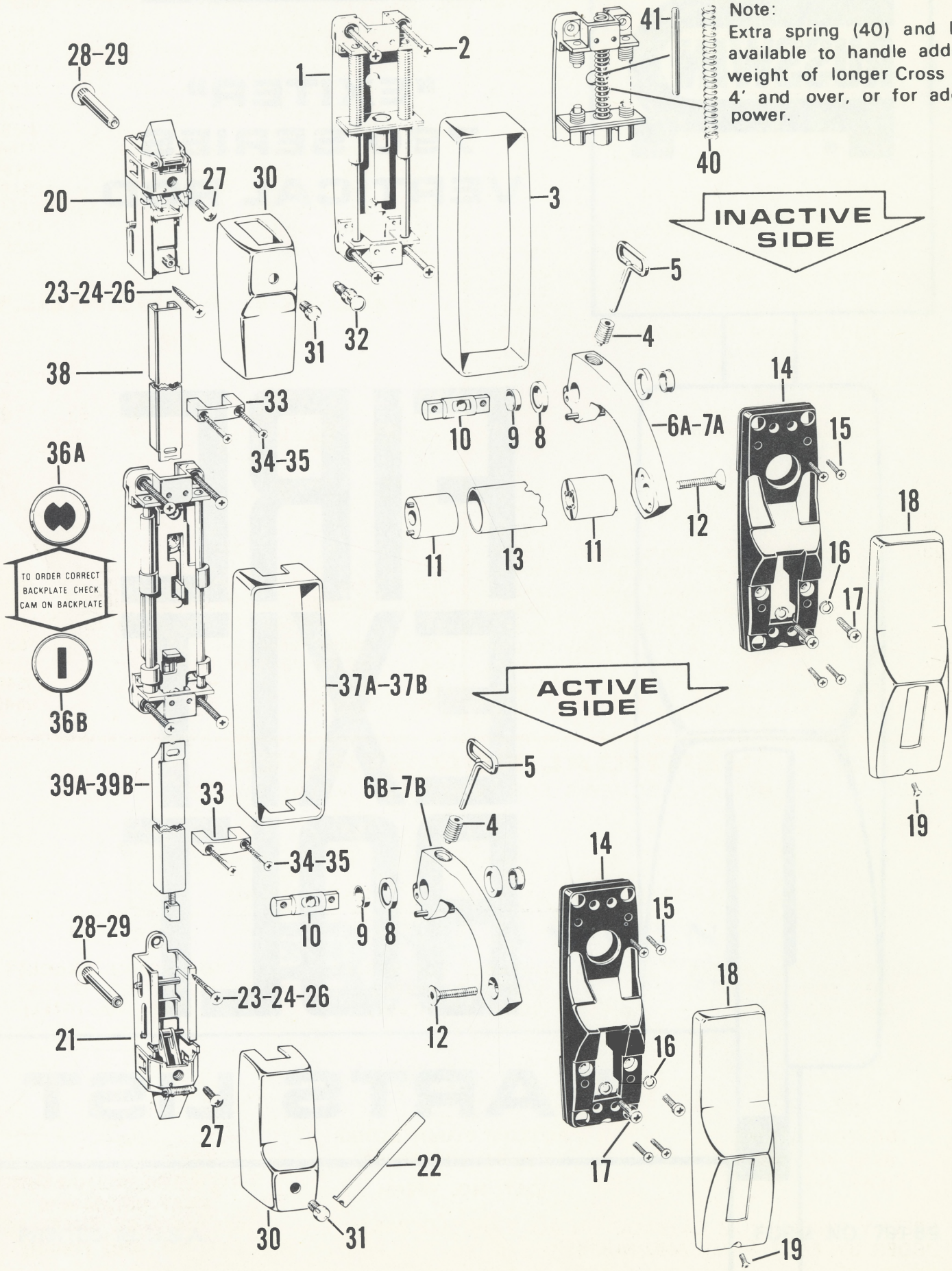
"EXITER"
790 SERIES
VERTICAL ROD



FIRE EXIT BOLT

PARTS LIST

FIRE EXIT BOLT – VERTICAL



ROD TYPE

SERIES: 708, 798, 701, 791, 792, H708, H798, H701, H791 H792

FIG. NO.	NAME	PART NO.
1	Backplate Sub Assy. (Inactive)	306F20
2	#12-24x2" FHMS-PH	255F41
3	Case (Inactive)	*141F84
4	Dogging Screw	*243F74
5	Wrench	123F53
6A	Lever Sub Assy. R.H.(US28)	*286F87
7A	Lever Sub Assy. R.H.(US3, US10, US26D, US32D)	*286F86
6B	Lever Sub Assy. L.H. (US28)	*286F88
7B	Lever Sub Assy. L.H. (US3, US10, US26D, US32D)	* 286F85
8	Washer (White Nylon)	147F84
9	Pivot Bushing (Nylon)	243F77
10	Lever Pivot	284F81
11	Tenon Sub Assy.	148F55
12	#5/16-24x1 1/2 FHMS-SOC.	*261F31
13	Cross Bar 37 11/16 Lg	*141L59
14	Top Casting	287F32
15	#8-32x3/4 FHMS-PH	261F30
16	Spring Lock Washer	243F79
17	#1/4-20x5/8 FRMS-PH	243F80
18	Top Cover Sub Assy.	*243F85
19	#8-32x3/8 OHMS-PH	*254F73
20	Top Latch Sub Assy.	207F22
21	Bottom Latch Sub Assy.	207F24
22	Wrench, Mounting	148F44
23	#12-24x7/8 RHMS-PH (Metal Doors)	264F95
24	#12x1 1/4 RHWS-PH (Wood Doors)	254F75
26	#10x1 1/4 FHWS-PH (Wood Doors)	242F82
27	Screw (Metal Door)	107F32
28	Sex Nut (For 1 3/4" & 2" Doors)	209F01
29	Sex Nut (For 2 1/4" & 2 1/2" Doors)	209F02
30	Case Cover	*148F34
31	Retaining Screw	*148F18
32	Plunger Sub Assy. Release	148F36

FIG. NO.	NAME	PART NO.
33	Rod Guide	*148F45
34	#8-32x1" OHMS-PH (Metal Doors)	*270F18
35	#8x1 1/2" OHMS-PH (Wood Doors)	*225F98
36A	Backplate Sub Assy. (Active)	287F97
36B	Backplate Sub Assy. (Active)	287F98
37A	Case (Active)	*141F86
37B	Case (Active —No Bottom Rod)	*141F87
38	Top Rod Sub Assy.(Standard)	*191L82x676
39A	Adj Bottom Rod (For Flush Strike Only)	*175L53x536
39B	Adj Bottom Rod (For Regular Strikes)	*175L53x526
40	Slide Spring	147F88
41	Center Rod	306F22

PADDLE ASSEMBLY

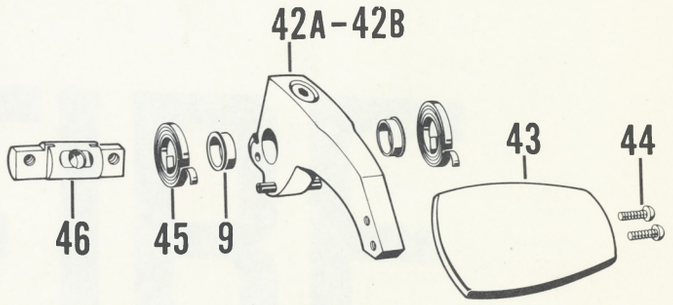
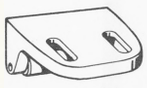


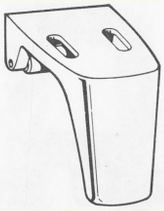
FIG. NO.	NAME	PART NO.
42A	Lever Sub Assy Paddle (US28)	*286F98
42B	Lever Sub Assy Paddle (US3, US10, US26D, US32D)	*286F97
43	Paddle Handle Pad	*153F57
44	#8-32x5/8 RHMS-PH	*223F68
45	Spring	154F75
46	Lever Pivot	154F73

VERTICAL ROD STRIKES

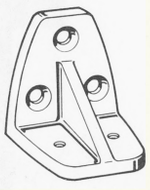
(INCLUDES SCREWS FOR WOOD AND METAL DOORS)



(FREE LATCHING)



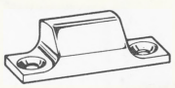
(HOLD - OPEN)



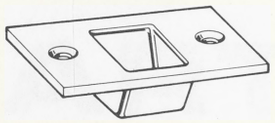
ADJUSTABLE TOP STRIKE
PART NO. 148F51
(CAT. NO. 792S)

ADJUSTABLE TOP STRIKE
PART NO. 148F52
(CAT. NO. H790T)

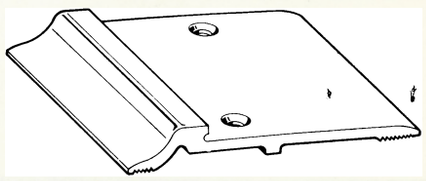
TOP STRIKE BRACKET
PART NO. 176F65
(CAT. NO. 752FL)



BOTTOM STRIKE
PART NO. 148F47
(CAT. NO. 792FT)



BOTTOM FLUSH STRIKE
PART NO. 156F85
(CAT. NO. 792FB)



LATCH TRACK THRESHOLD
PART NO. 341M16
(SEE CATALOG SHEET FOR CAT. NO. AND FINISH)

* SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS
ORDER BY PART NAME AND NUMBER

RUSSWIN
DIVISION OF EMHART CORPORATION
BERLIN, CONNECTICUT 06037

PRINTED IN U.S.A.

FORM NO. 791-69

PARTS LIST

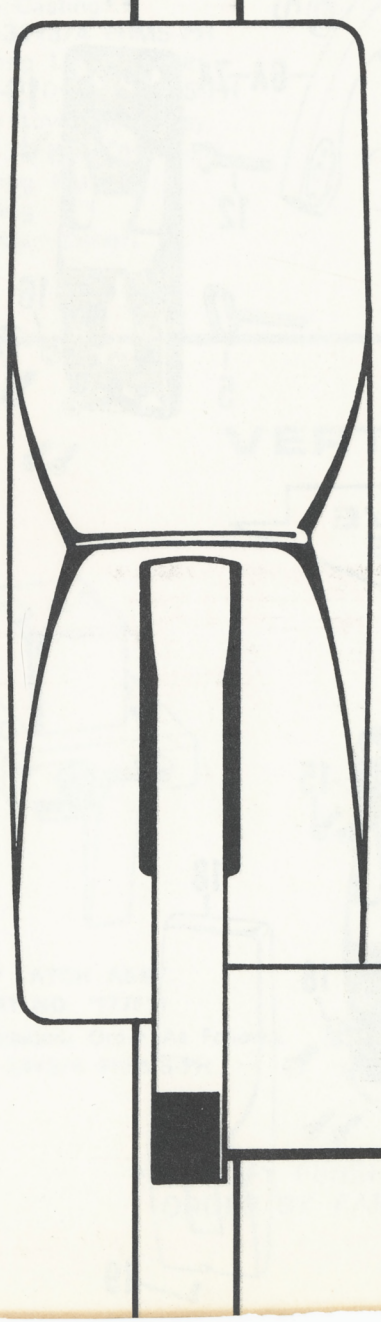
RUSSWIN

Underwriters' Laboratories Listed

"EXITER"

U780 SERIES

VERTICAL ROD

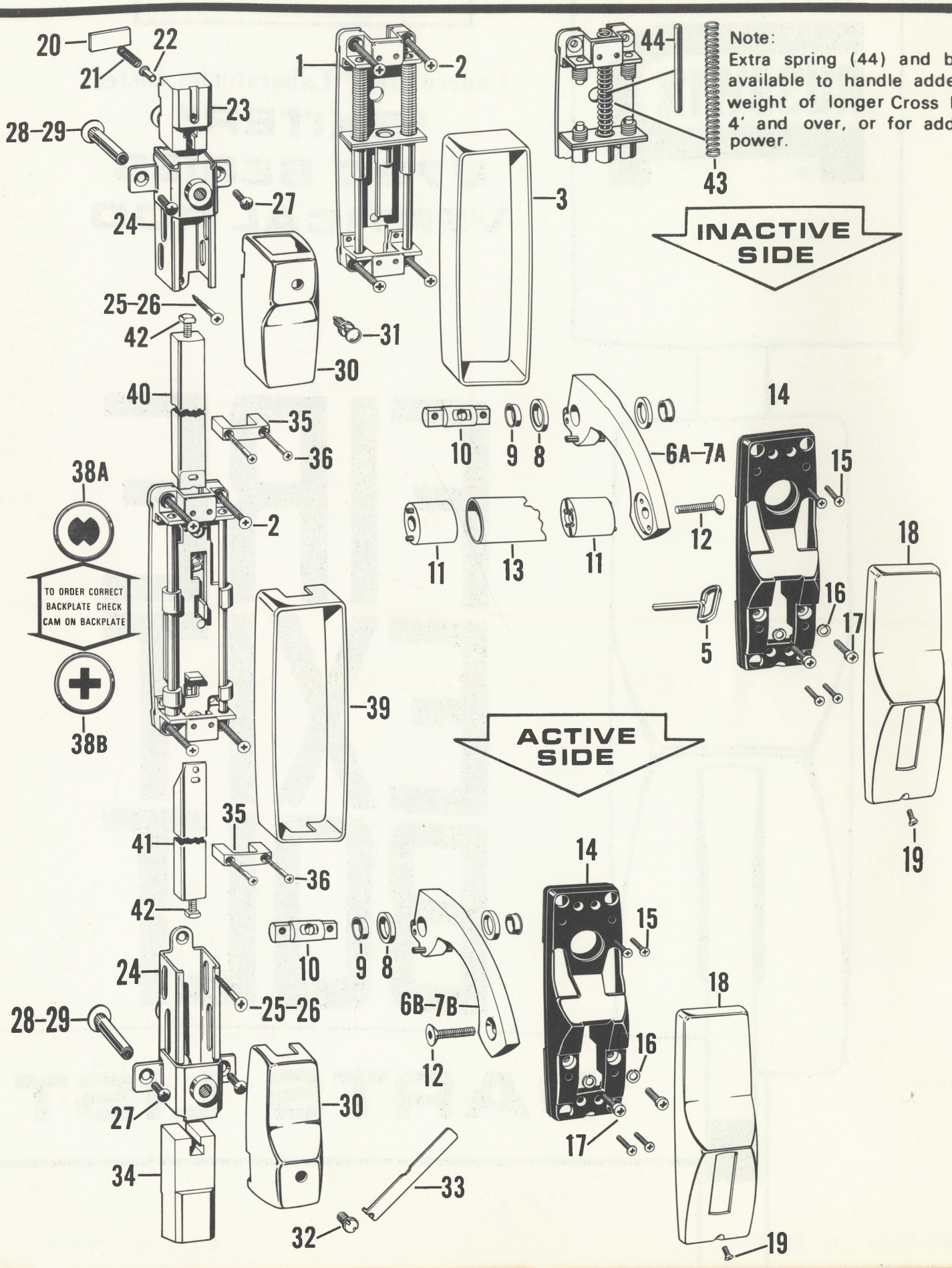


FIRE EXIT BOLT

PARTS LIST

FIRE EXIT BOLT - VERTICAL

Underwrite



PRINTED IN U.S.A.

FORM NO. U780-69

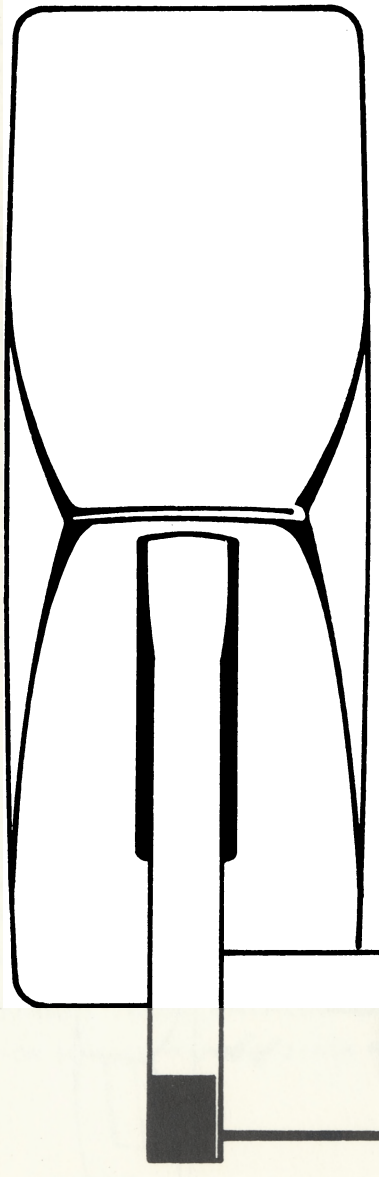
RUSSWIN

PARTS LIST
section 9

"EXITER"
740 SERIES
CONCEALED TYPE

FOR YOUR CONVENIENCE THIS FOLDER MAY ALSO BE USED TO HOLD THE FOLLOWING PARTS LIST:

- RIM
- VERTICAL ROD
- VERTICAL ROD-UL
- MORTISE TYPE PARTS LISTS.

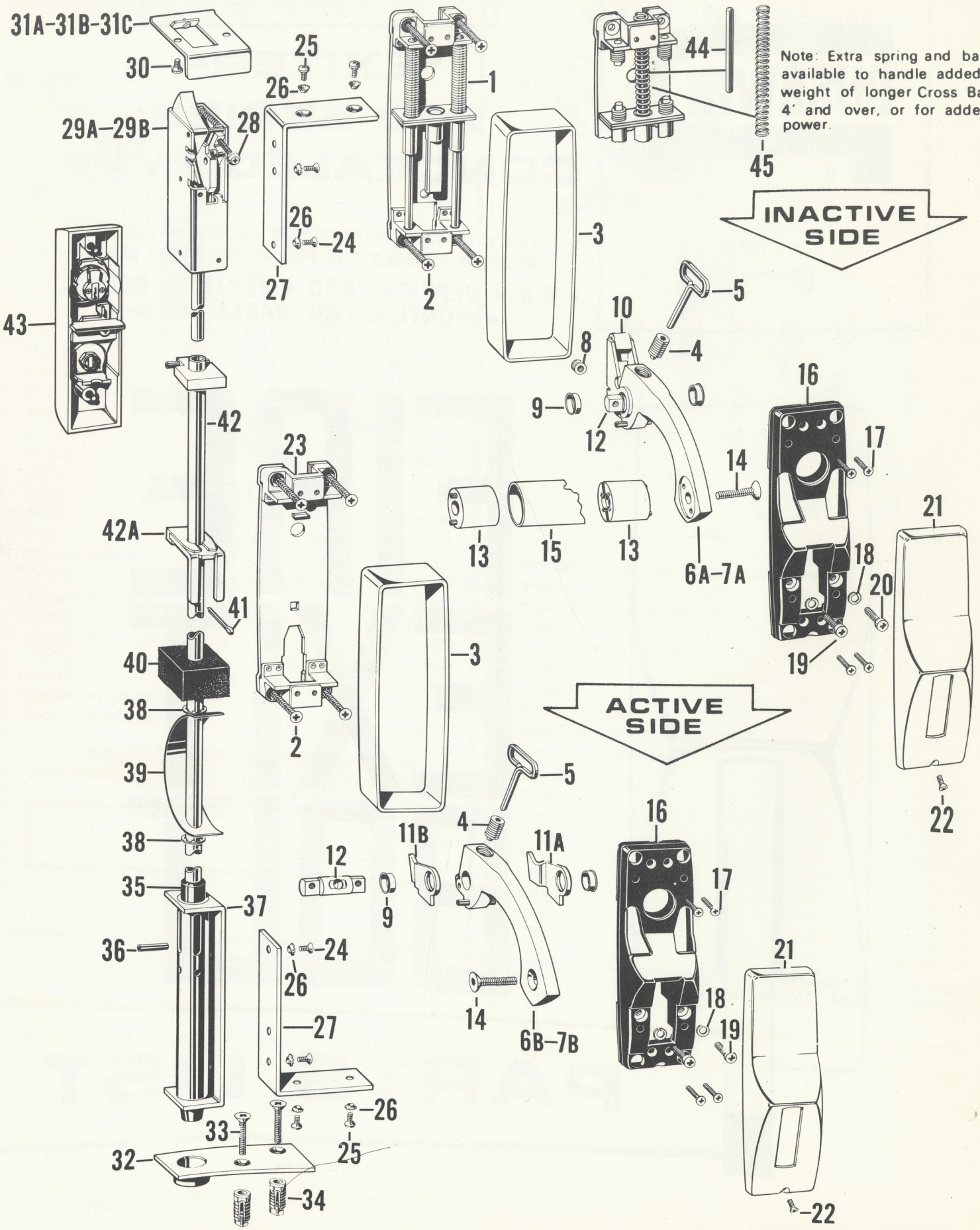


FIRE EXIT BOLT

PARTS LIST

RUSSWIN

FIRE EXIT BOLT - CONCEALED



ED TYPE

SERIES: CH743, CH748, UCH748, CH741, UCH741, MRCH743, MRCH748, UCH742, CH742, MRUCH748, MRCH741, MRUCH741

FIG. NO.	NAME	PART NO.
1	Backplate Sub Assy. (Inactive)	306F20
2	#12–24×1-1/4 FHMS-PH	220F84
3	Case	*141F84
4	Dogging Screw	243F74
5	Wrench	123F53
	(With Dogging Screw)	
6A	Lever Sub Assy. R.H. (Inactive) US3,US10,US26D,US32D,US28	*286F94
7A	Lever Sub Assy. L.H. (Inactive) US3,US10,US26D,US32D,US28	*286F93
6B	Lever Sub Assy. R.H. (Active) US3,US10,US26D,US32D	*286F85
6B	Lever Sub Assy. R.H. (Active) US28	*286F87
7B	Lever Sub Assy. L.H. (Active) US3,US10,US26D,US32D	*286F86
7B	Lever Sub Assy. L.H. (Active) US28	*286F88
	(No Dogging Screw)	
6A	Lever Sub Assy. R.H. (Inactive) US3,US10,US26D,US32D,US28	*286F96
7A	Lever Sub Assy. L.H. (Inactive) US3,US10,US26D,US32D,US28	*286F95
6B	Lever Sub Assy. R.H. (Active) US3,US10,US26D,US32D	*286F89
6B	Lever Sub Assy. R.H. (Active) US28	*286F91
7B	Lever Sub Assy. L.H. (Active) US3,USIO,US26D,US32D	*286F90
7B	Lever Sub Assy. L.H. (Active) US28	*286F92
8	Stop Nut (Nylon)	243F76
9	Pivot Bushinq (Nylon)	243F77
10	Lifting Finger (Inactive Case)	284F77
11A	Liftinq Finger (Active Case R.H.)	284F78
11B	Lifting Finger (Active Case L.H.)	284F79
12	Lever Pivot	284F80
13	Tenon Sub Assy.	148F55
14	#5/16–24×1-1/2 FHMS-SOC	*261F31
15	Cross Bar 37-11/16 LG.	*141L59
16	Top Casting	287F32
17	#8–32×3/4 FHMS-PH	261F30
18	Spring Lock Washer	243F79
19	#1/4–20×5/8 FRMS-PH	243F80
20	#1/4–20×13/16 FRMS-PH	287F96
21	Top Cover Sub Assy.	*243F85
22	#8–32×3/8 OHMS-PH	*254F73
23	Backplate Sub Assy. (Active)	207F39
24	#10–32×1/4 FHUMS-PH	269F01
**25	#10–32×1/4 OHMS-PH	*269F09
26	Lock Washer	269F05

FIG. NO.	NAME	PART NO.
27	Mounting Bracket	122F18
28	#10–32×1-1/4 THMS-PH	282F35
29A	Top Latch Sub Assy. (Includes Top Rod For Door Heights 6'-4" To 8'-6")	183F74
	NOTE: For Top Rod Only (For Door Heights 6'-4" To 8'-6")	122F07
29B	Top Latch Sub Assy. (Includes Top Rod For Door Heights 8'-6"To 10'-8")	183F75
	NOTE: For Top Rod Only (For Door Heights 8'-6" To 10'-8")	156F03
30	#8–32×3/8 FHUMS-PH	*269F08
31A	Top Strike Sub Assy. (Regular)	*183F85
31B	Top Strike Sub Assy. (Reveal Depth Under 5-1/2")	*213F11
31C	Top Strike Sub Assy. (Reveal Depth 5-1/2" To 8")	*213F10
32	Bottom Strike	*123F22
33	1/4–20×1-1/2 FHMS-PH	*269F11
34	Anchor	252F14
35	Lower Bolt Tube Sub Assy.	122F50
36	Roll Pin (#79-040-187-1375)	228F81
37	Bottom Guide Sub Assy.	122F51
38	Retainer Ring	268F87
39	Lower Rod Guide	122F41
40	Sound Deadener	129F49
41	Cotter Pin	269F04
42	Lower Rod Sub Assy. and Parts	183F78
42A	Spacer	183F80
43	**FRONT OPERATOR SUB ASSEMBLYS**	
	Operator used with Function CH743	*185F59
	Operator used with Functions CH748,UCH748	*185F58
	Operator used with Functions CH741, UCH741	*185F57
	MASTER RING CYLINDER OPERATORS	
	Operator used with Function MRCH743	*195F73
	Operator used with Functions MRCH748,MRUCH748	*195F72
	Operator used with Functions MRCH741,MRUCH741	*195F71

NOTE:

SEE BACK SIDE OF THIS PAGE FOR INDIVIDUAL PARTS FOR OUTSIDE OPERATORS

44	Center Rod	306F22
45	Slide Spring	147F88

*SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS ORDER BY PART NAME AND NUMBER

**ALSO USED FOR SURFACE MOUNTING- 2 EACH FOR TOP LATCH AND BOTTOM BOLT

INDIVIDUAL PARTS FOR OUTSIDE OPERATORS

REGULAR OPERATOR

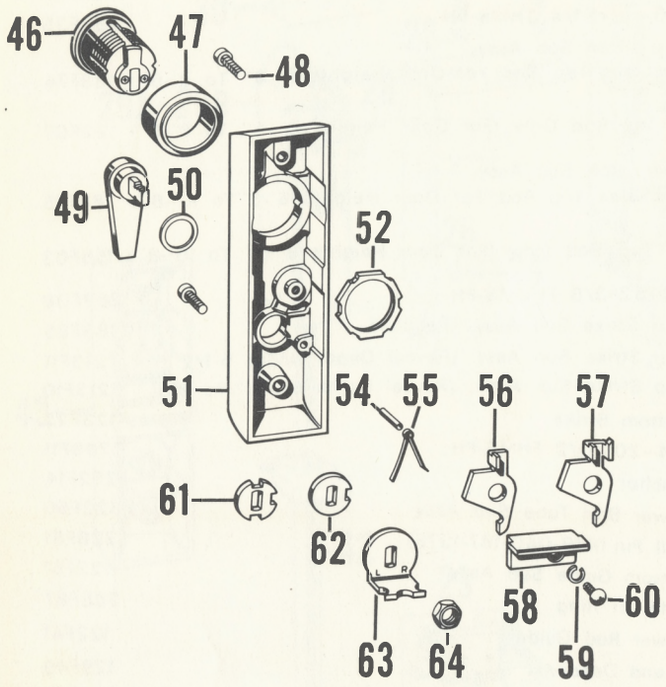


FIG. NO.	NAME	PART NO.
46	Cylinder Assembly	*0–1/2FE
47	Cylinder Collar	*134F05
48	#10–24×3/4 FRHT-PH-Taptite	*269F12
49	Handle Lever	*122F64
50	Spacer Washer (Nylon)	122F63
51	Case	*195F64
52	Hex Nut	129F84
54	Rollpin (#79-028-125-0500 ST'D)	228F51
55	Spring Locking Lever	122F59
56	Locking Lever	122F57
57	Locking Lever	122F56
58	Guard Plate	305F73
59	#10 Light Spring Washer	306F07
60	#10–24×5/16-RHMS-PH	306F06
61	Locking Hub	122F61
62	Locking Hub	122F60
63	Lifting Lever	185F55
64	Jam Nut	184F94

MASTER RING OPERATOR

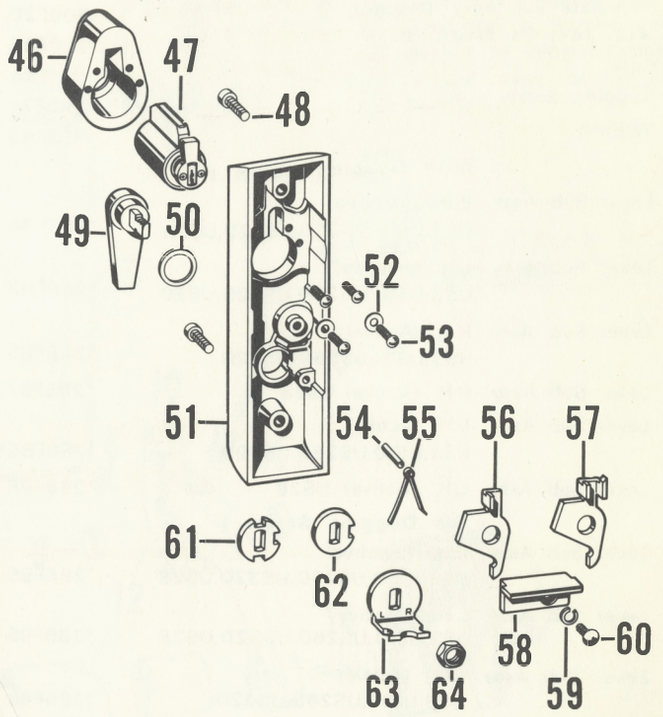


FIG. NO.	NAME	PART NO.
46	Cylinder Housing (For Master Ring Cylinder)	*195F67
47	Master Ring Cylinder	*195K70
48	#10–24×3/4 FRHTS-PH-Taptite	*269F12
49	Handle Lever	*122F64
50	Spacer Washer (Nylon)	122F63
51	Case	*195F65
52	Washer	122F24
53	#6–32×5/8 RHMS	268F84
54	Rollpin (#79-028-125-0500 ST'D)	288F51
55	Spring Locking Lever	122F59
56	Locking Lever	122F57
57	Locking Lever	122F56
58	Guard Plate	305F73
59	#10 Light Spring Washer	306F07
60	#10–24×5/16-RHMS-PH	306F06
61	Locking Hub	122F61
62	Locking Hub	122F60
63	Lifting Lever	185F55
64	Jam Nut	184F94

* SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS ORDER BY PART NAME AND NUMBER

RUSSWIN

CARE AND ADJUSTMENT

EXIT DEVICES
RIM, MORTISE, VERTICAL and CONCEALED TYPES

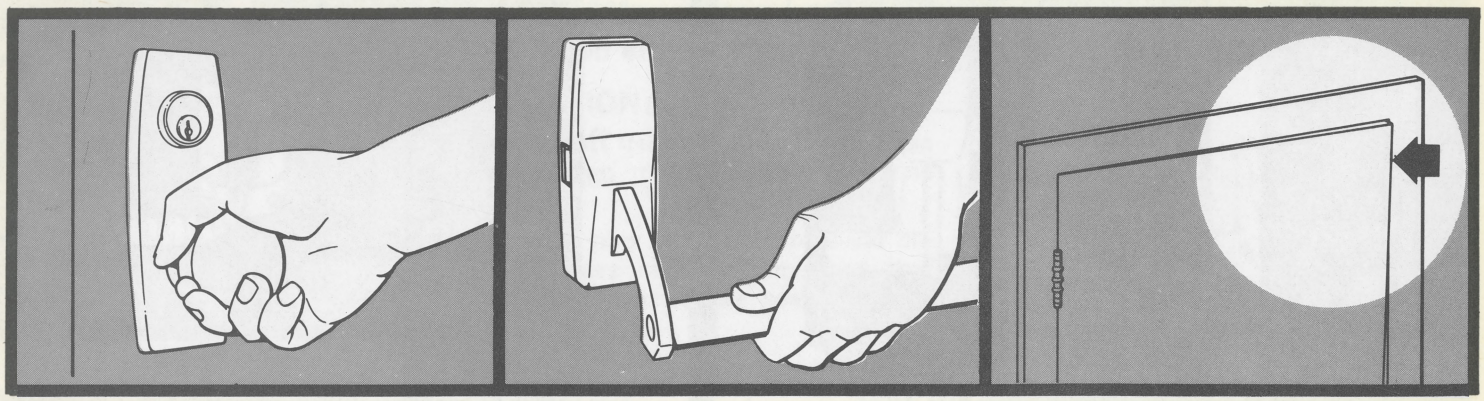


This manual deals with the care and adjustment of Rim, Mortise, Vertical and Concealed Type Exit Devices. Outlined you will find such subjects as bolt-strike misalignment, cross-bar binding, tightening, etc.

Should you encounter difficulties in the operation of your fixture, we recommend that you check the "Simple Sillies" checklist of common problems and solutions to see if you can clear up your problem.

SIMPLE SILLIES

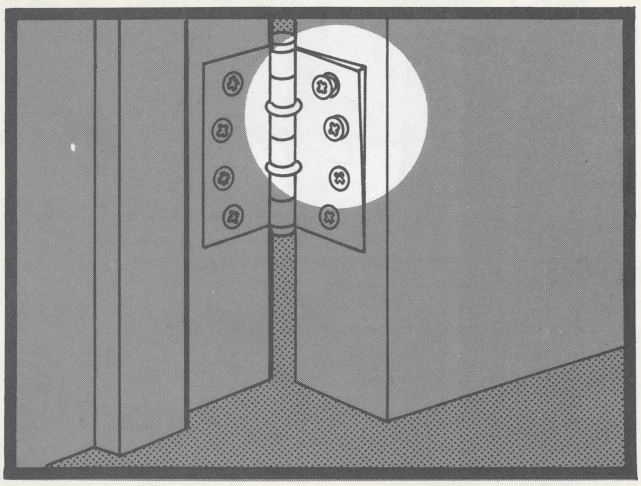
IF YOUR EXIT DEVICE DOES NOT OPERATE PROPERLY FIRST CHECK THESE COMMONPLACE CAUSES



1. Can't open door from outside. Is door locked?

2. Latch Bolt won't project. Is it held retracted by key? Is fixture completely undogged?

3. Door won't open and shut freely. Is door binding?



4. PROBLEM: door sags

SOLUTION: check frame for sagging and check hinge screws for loosening.

5. PROBLEM: door rattles

SOLUTION: reposition strike for minimum clearance between Bolt and Strike when door is shut.

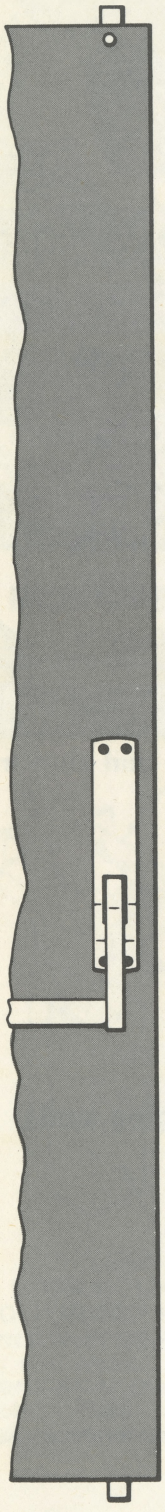
EXIT DEVICES
RIM, MORTISE, VERTICAL and CONCEALED TYPES

RUSSWIN®

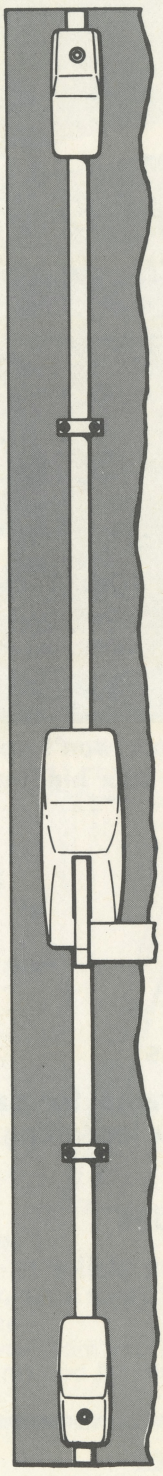
CARE AND ADJUSTMENT

The manual is designed to assist maintenance personnel and building custodians in the care and adjustment of their **Russwin** Exit Devices.

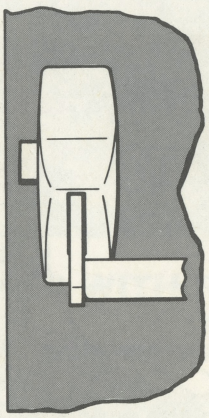
Each of these series is illustrated below to assist in determining the proper adjustment of your hardware. For adjustment of other models, please consult your dealer.



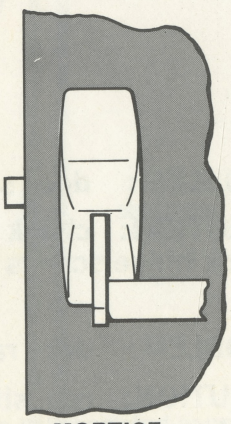
VERTICAL ROD CONCEALED TYPE



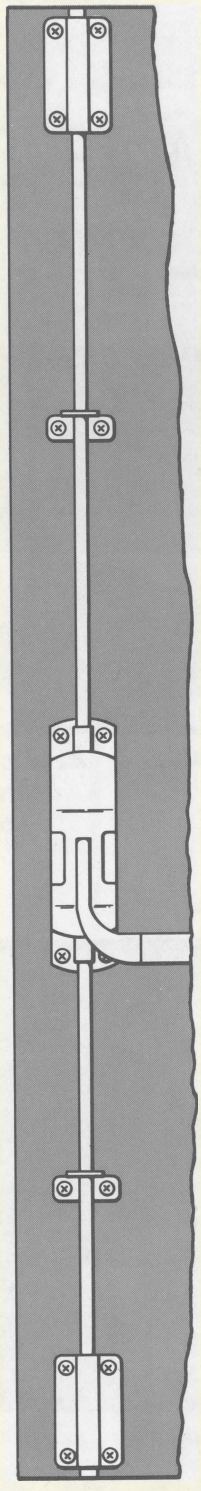
VERTICAL ROD TYPE
(New Style)



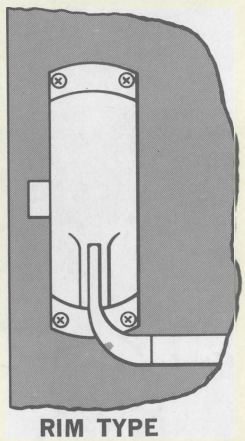
RIM TYPE



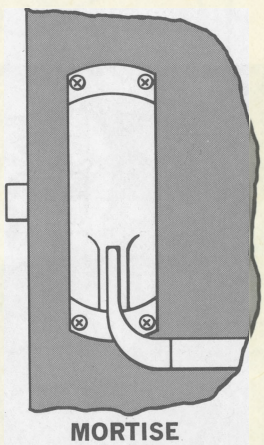
MORTISE TYPE



VERTICAL ROD TYPE
(Old Style)

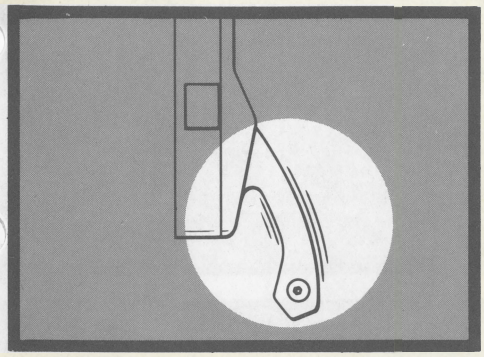


RIM TYPE



MORTISE TYPE

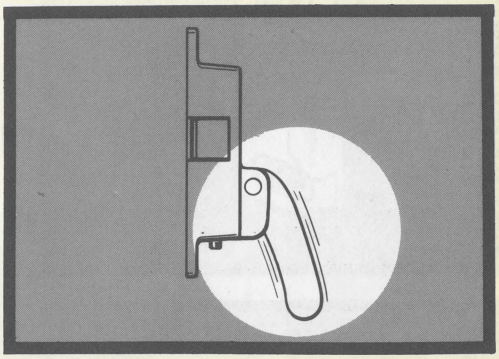
A FEW CHECKPOINTS COMMON TO ALL EXIT FIXTURES—REGARDLESS OF TYPE

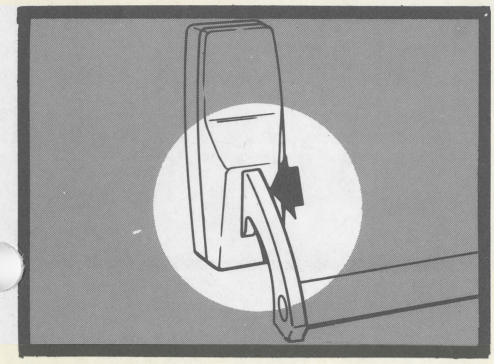


6. PROBLEM: cross-bar doesn't return to "UP" position

SOLUTION: tap case lever arms with soft mallet.

Check to see if swelling or shrinkage of door has caused binding of arms on Case. Reduce Cross-Bar length or adjust Tenon holding screws to relieve binding. See Page 7.

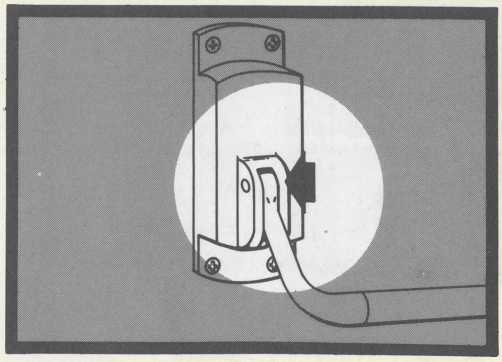


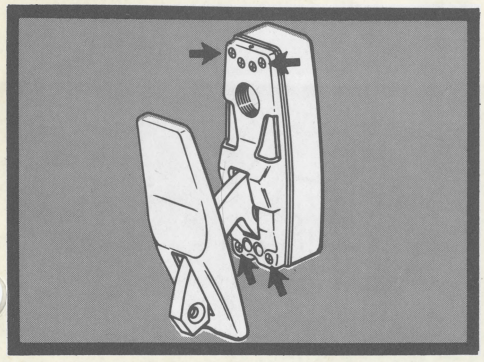


7. PROBLEM: cross-bar lever binds on either case.

SOLUTION: tap lever lightly with soft mallet. Also check Case for foreign matter which can cause binding.

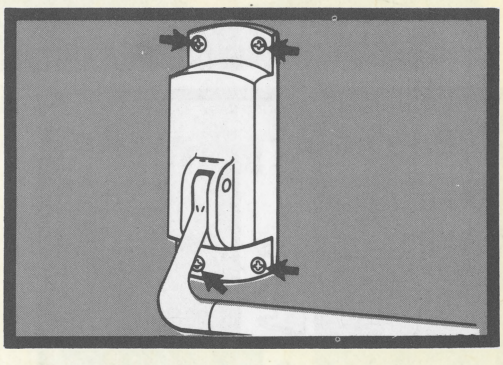
Be sure pins in end of Cross-Bar engage holes in lever arms and that Cross-Bar screws are seated tightly. See page 7.

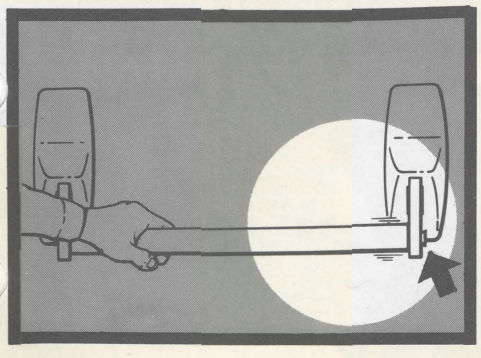




8. PROBLEM: case loose on door

SOLUTION: tighten case mounting screws as shown.

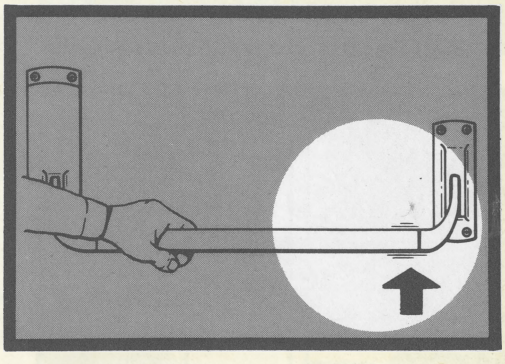




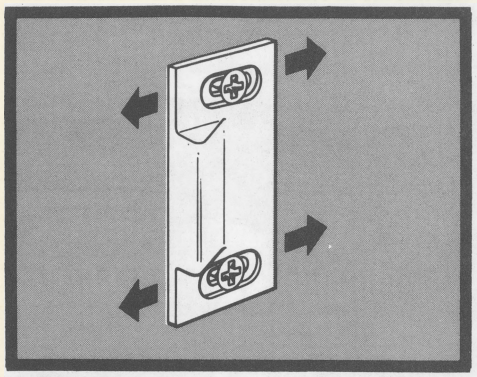
9. PROBLEM: cross-bar wobbles

SOLUTION: tighten screws. Using large screw driver for leverage, through bow of hex dogging key, securely tighten screws on each end of Cross-Bar. See page 7.

Tighten fastening screw. For further adjustment, contact your dealer. See page 7.

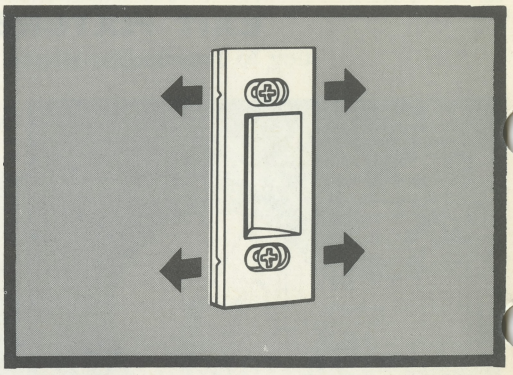


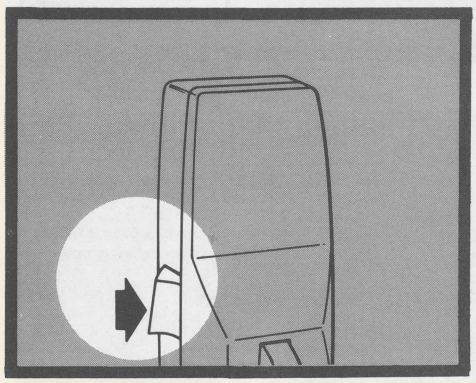
RIM BOLT ADJUSTMENT



10. **PROBLEM: latchbolt doesn't engage strike or binds in strike.**

SOLUTION: usually due to door sag, warping or frame sag, which causes misalignment. Check Hinge Screws for tightness. Adjust Strike to obtain proper alignment.



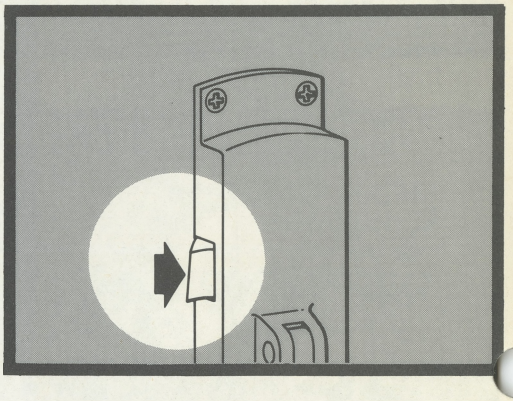


11. **PROBLEM: latch bolt will not project.**

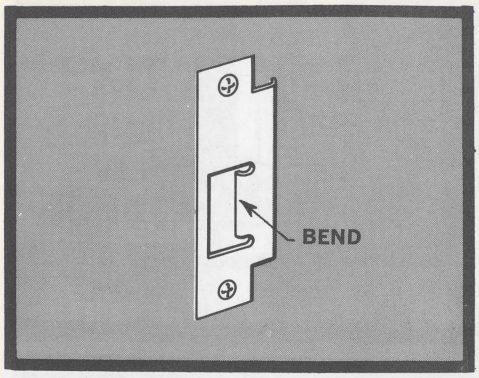
SOLUTION: could be due to binding of lever arm on case. Tap Lever lightly with soft mallet. Also see Page 7.

12. **PROBLEM: thumbpiece will not retract bolt completely.**

SOLUTION: usually due to a bending of the thumbpiece tail, or misalignment of thumbpiece shaft with bolt case, giving improper Bolt travel. Straighten Thumbpiece Tail and check alignment. (See Step 14)

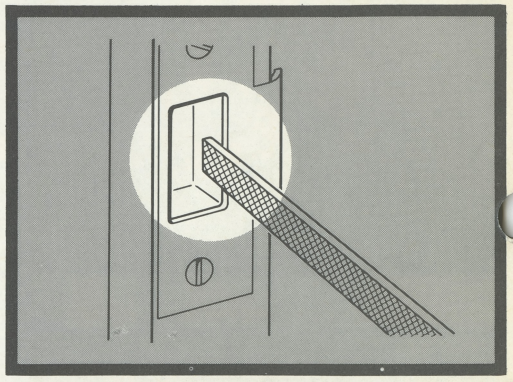


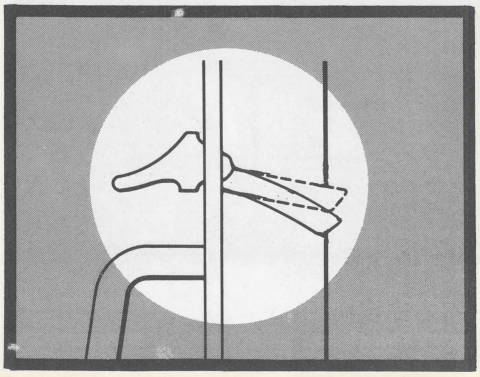
MORTISE BOLT ADJUSTMENT



13. **PROBLEM: latch bolt binds on strike or doesn't engage strike.**

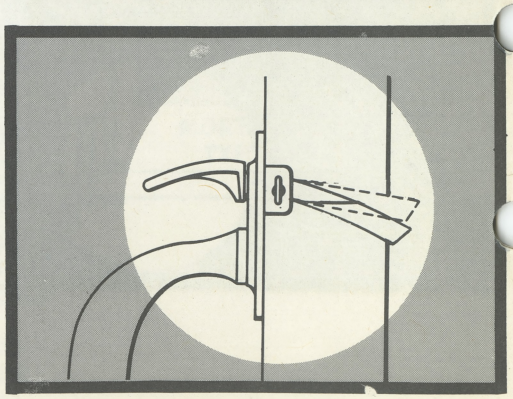
SOLUTION: correct, where possible, by tightening Hinge Screws, before bending Strike Lip or filing Strike.



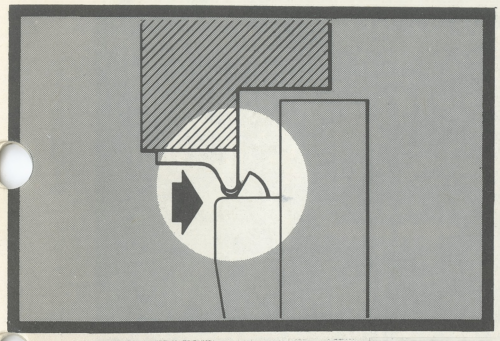


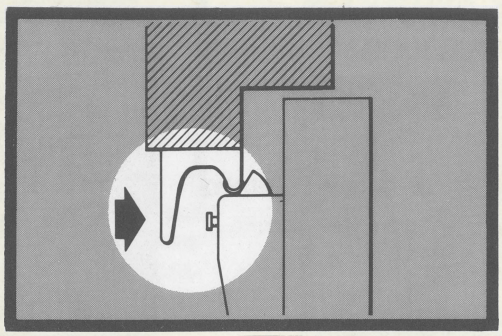
14. **PROBLEM: thumbpiece will not retract bolt completely.**

SOLUTION: usually due to a bending of the thumbpiece tail, giving improper bolt travel. Straighten Thumbpiece Tail to position that will give complete bolt travel.



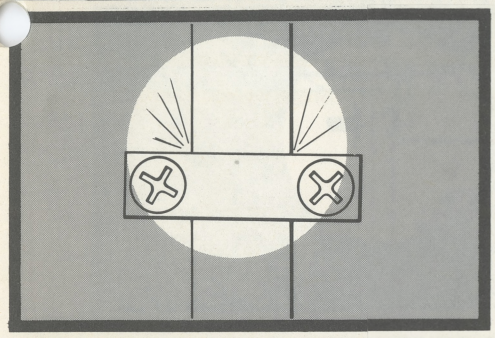
VERTICAL ROD ADJUSTMENT





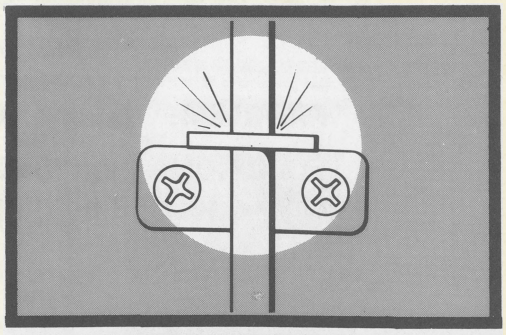
15. **PROBLEM: latch bolts don't engage strike**

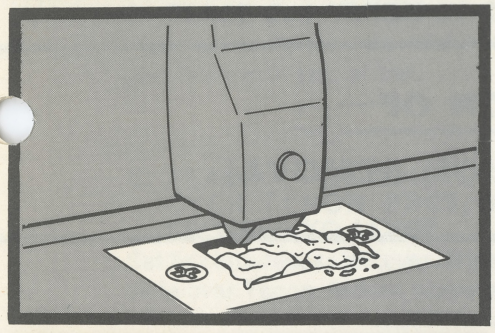
SOLUTION: usually due to door sag, frame sag or warping which causes misalignment. Check hinge screws before attempting to re-position Strike. Adjust Strike.



16. **PROBLEM: latch bolt will not project**

SOLUTION: check to see if Rod Guides are binding Rod, or if Case Lever is binding on Case or if Rod is binding on Latch Covers. Adjust.

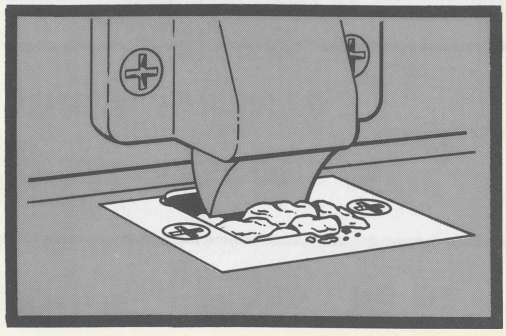


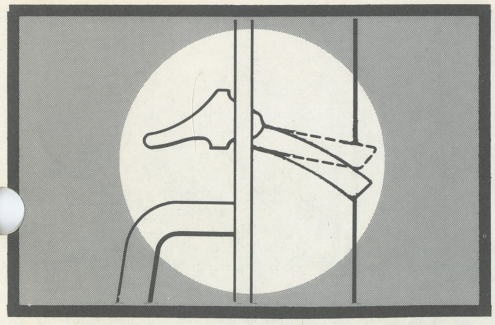


17. **PROBLEM: latch bolt doesn't enter bottom strike**

SOLUTION: remove foreign matter from strike. A floor Strike can easily collect an accumulation of dirt or foreign matter which prevents proper fixture operation. Remove Strike and clean thoroughly.

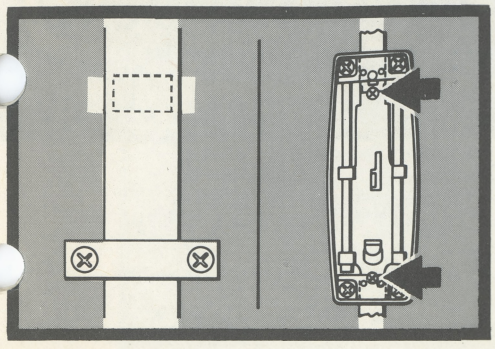
File if door is warped.





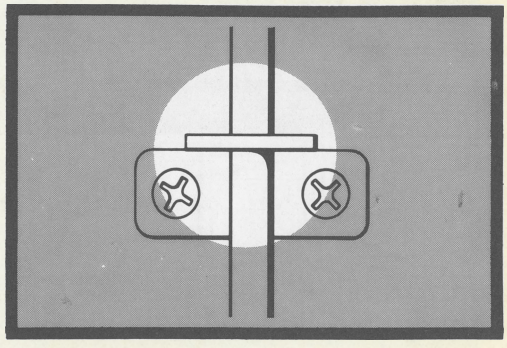
18. **PROBLEM: thumbpiece will not retract bolt completely.**

SOLUTION: usually due to a bending of the thumbpiece tail, or misalignment of thumbpiece shaft with bolt case, giving improper Bolt travel. Straighten Thumbpiece Tail and check alignment. (See Step 14)



19. **PROBLEM: vertical rod rattles**

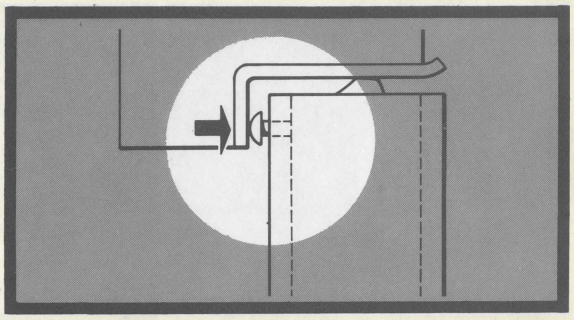
SOLUTION: tighten rod guide screws. Rubber silencers are also available from your dealer. Check to see that Rod Retaining Screws are in position and tight. Tighten Rod Guide screws.



CONCEALED BOLT ADJUSTMENT

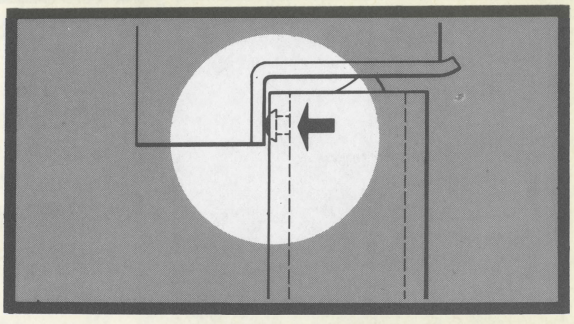
PROBLEM: door won't shut. latch bolt won't engage strike.

SOLUTION: adjust bolt trip screw toward door (tighten), until Bolt releases and enters Strike.



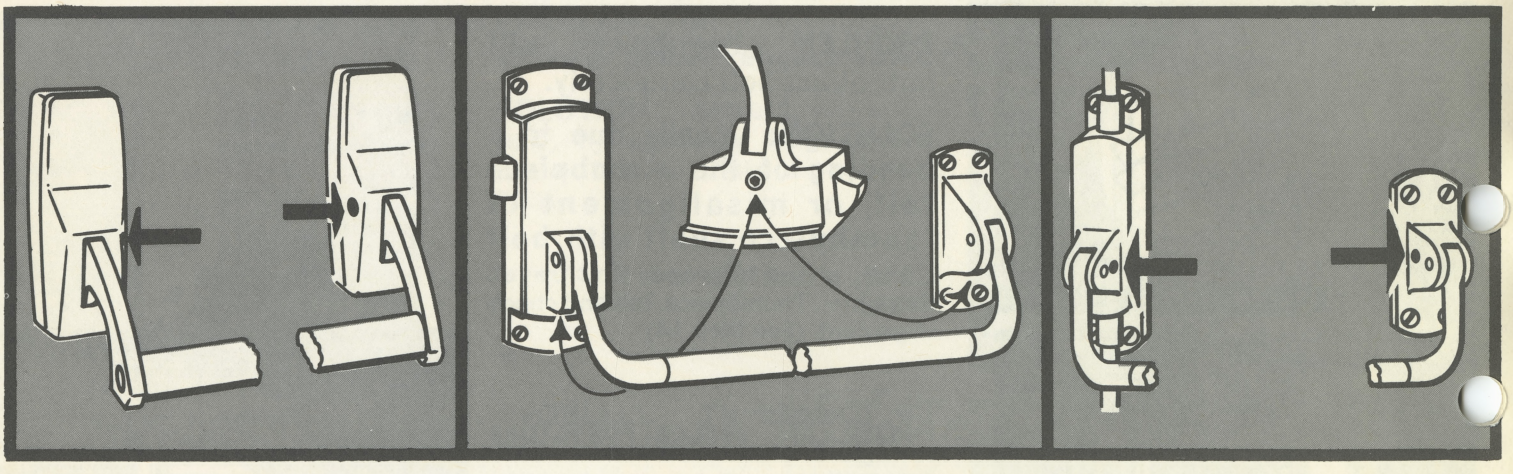
PROBLEM: latch bolt won't project.

SOLUTION: turn bolt trip screw counter-clockwise until bolt trips when door is shut.



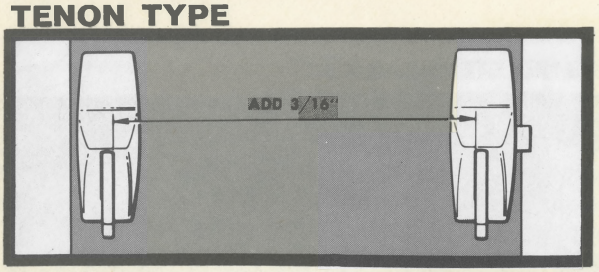
GENERAL ADJUSTMENTS AND INSTALLATION OF CROSS-BARS, DOGGING CASES AND MULLION REMOVAL

TO DOG CROSS-BAR DOWN



Pushing down on Cross-Bar, tighten Dogging Screws using furnished hex key.
IMPORTANT: Always dog both ends.

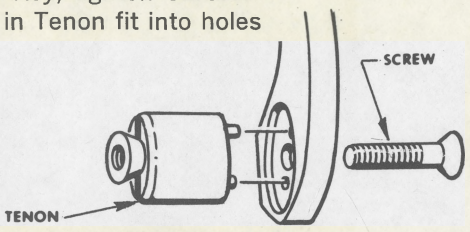
TO INSTALL CROSS-BAR TENON TYPE



Measure distance between Levers near hole where top of Lever enters Case. Add 3/16" to this measurement and cut Cross-Bar to this measurement. Remove burrs on inside and outside of bar.

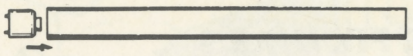
A. REPLACE TENON ON 1 LEVER

Using furnished Key, tighten SLIGHTLY. NOTE: Pins in Tenon fit into holes in Lever.



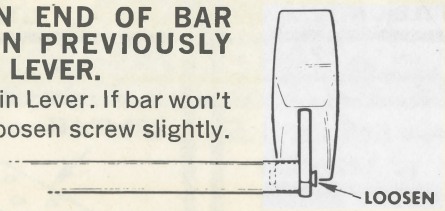
B. PLACE 2nd TENON IN CROSS-BAR

Place other Tenon into end of Cross-Bar so it is just flush with end of bar.



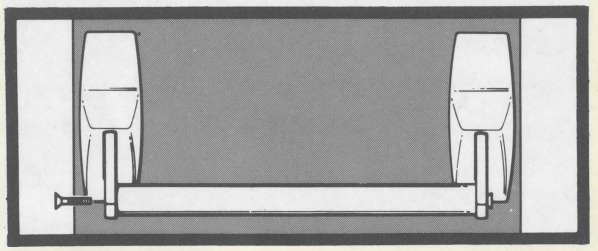
C. PLACE OPEN END OF BAR OVER TENON PREVIOUSLY SECURED TO LEVER.

Set bar into recess in Lever. If bar won't slide over Tenon, loosen screw slightly.



D. POSITION OTHER END OF BAR IN RECESS IN OTHER LEVER. (SEE DRAWINGS ABOVE AND BELOW)

Thread screw, but don't seat tightly.



E. SEAT BAR IN LEVER

Push down easily on right Lever while pulling up on left. Alternate procedure. This rocking will seat 2 pins in Tenons in holes in Lever.

Tightly SECURE SCREWS USING KEY FURNISHED.

NOTE: IF TENON PINS ARE NOT SEATED IN LEVER HOLES, BAR WILL BE LOOSE AND TWIST. REPEAT ROCKING PROCEDURE.

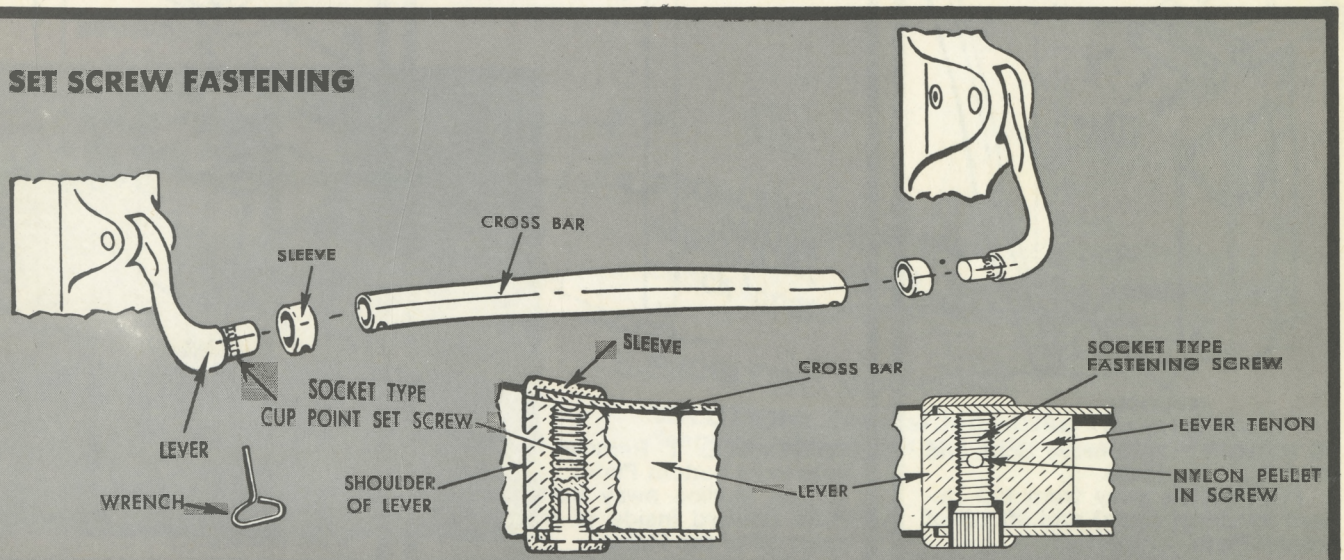


IF FIXTURE BINDS—

Door Shrunk—Disassemble and follow above. "TO INSTALL CROSS-BAR".

Door Expanded—Back off Tenon Screw. Tap Lever with soft mallet. Retighten Tenon Screw.

SET SCREW FASTENING

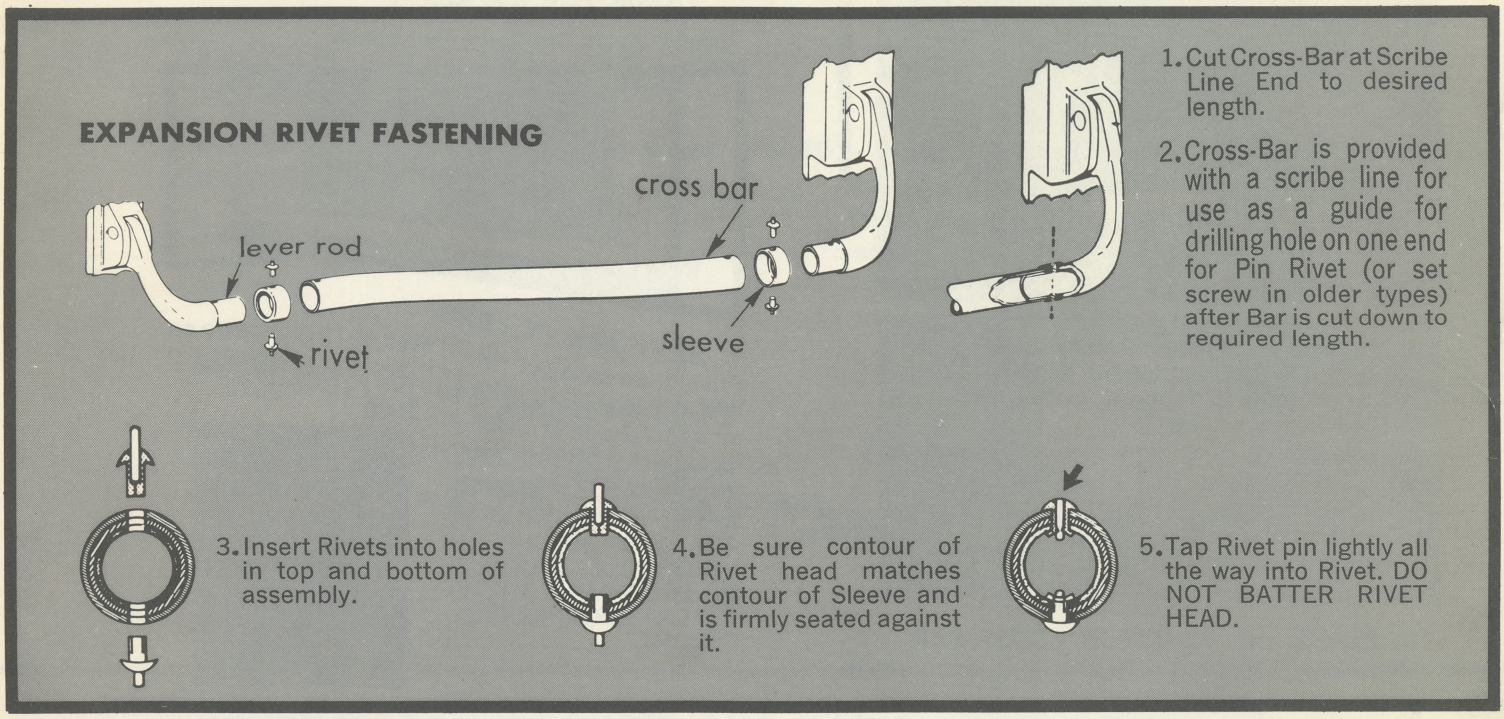


FOR STOCK BOLTS:
IF CROSS-BAR IS FURNISHED PRE-CUT TO PROPER LENGTH, DISREGARD STEPS 1, 2.

1. Cut Cross-Bar at SCRIBE LINE END to desired length.
2. Using Sleeve as a guide, drill a 3/8" hole on scribe line through ONE wall of Cross-Bar.
3. Assemble Sleeve and Cross-Bar on Lever Tenon.
4. Insert and tighten Fastening Screw with 3/16" hex wrench.

EXPANSION RIVET TYPE

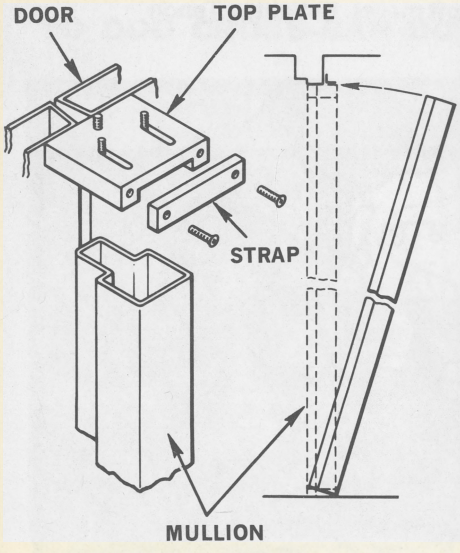
IF CROSS-BAR IS FURNISHED PRE-CUT TO PROPER LENGTH, DISREGARD STEPS 1, 2.



1. Cut Cross-Bar at Scribe Line End to desired length.
2. Cross-Bar is provided with a scribe line for use as a guide for drilling hole on one end for Pin Rivet (or set screw in older types) after Bar is cut down to required length.
3. Insert Rivets into holes in top and bottom of assembly.
4. Be sure contour of Rivet head matches contour of Sleeve and is firmly seated against it.
5. Tap Rivet pin lightly all the way into Rivet. DO NOT BATTER RIVET HEAD.

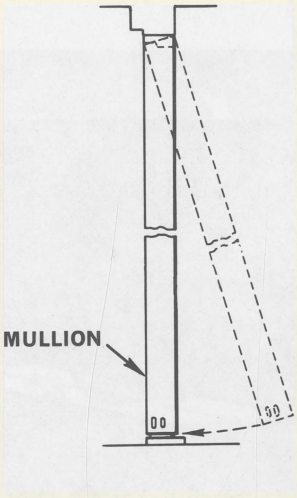
TO REMOVE MULLION USED WITH RIM TYPE FIXTURES

ALUMINUM MULLION



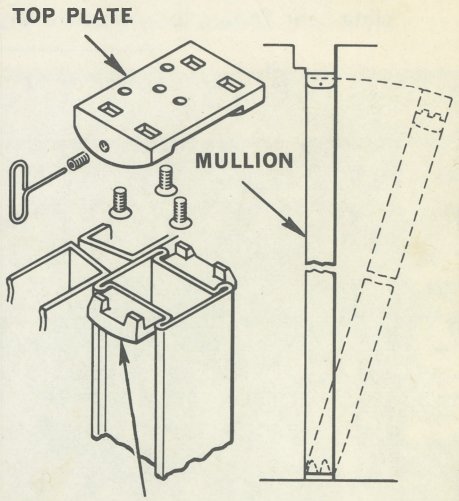
TO REMOVE: 1. Remove Bolts and strap from top Plate.
2. Pull Mullion away from top (toward inside of room) and lift off of bottom Plate.

STEEL MULLION

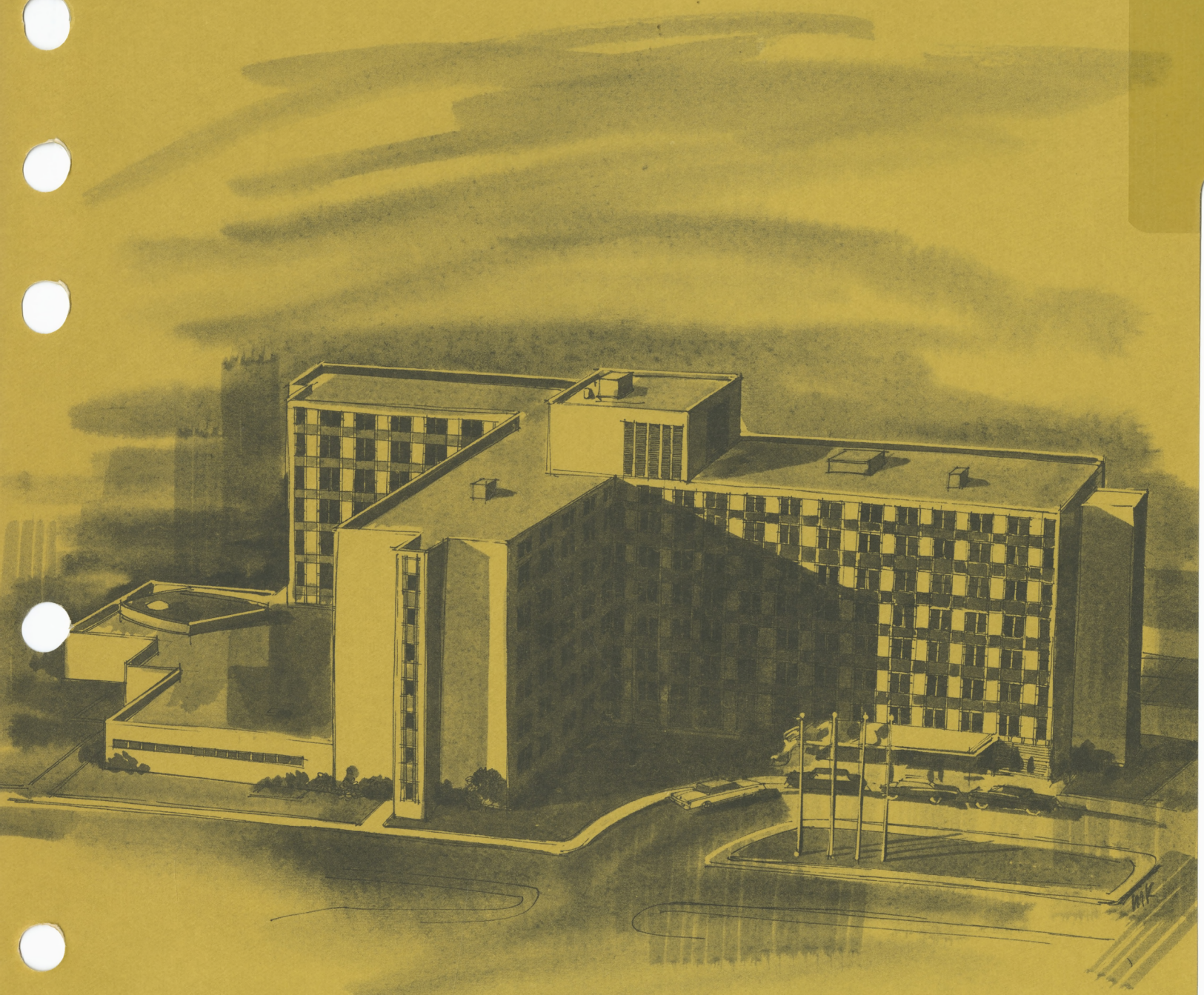


TO REMOVE: 1. Remove Bolts and nuts from bottom Plate.
2. Pull Mullion away from bottom Plate (toward inside of room) and down off of top Plate.

STEEL MULLION



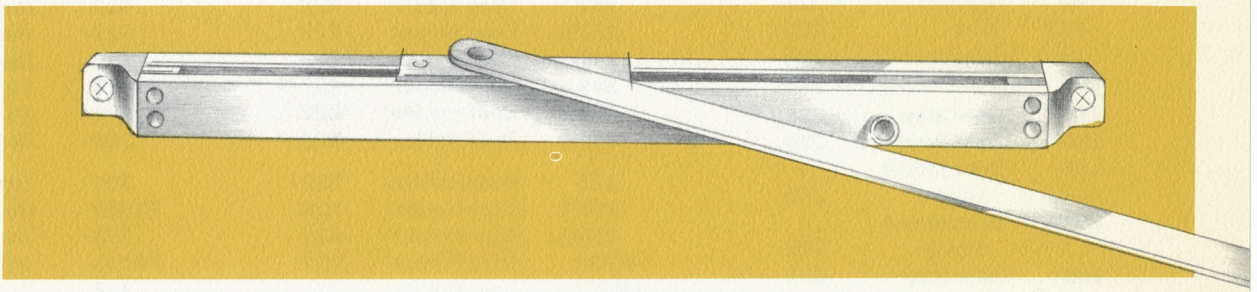
Back out set screw with Allen-Wrench; slide down holding piece at the top and pull the Mullion out from the top.



St. John's Mercy Hospital
St. Louis, Missouri

RUSSWIN®

DOOR STOPS AND HOLDERS



DOOR STOPS and HOLDERS

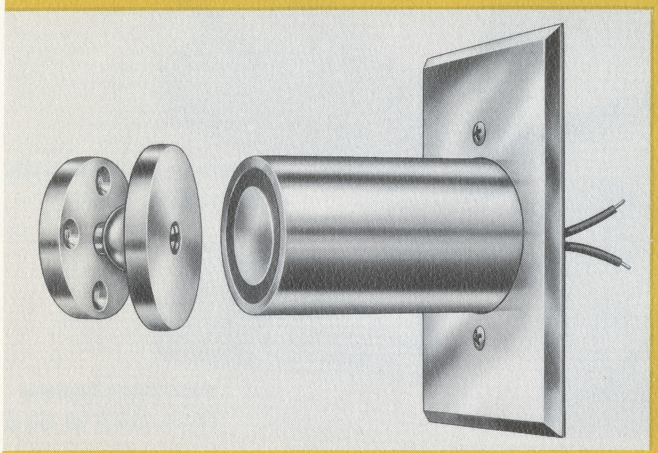
Alphabetical Index

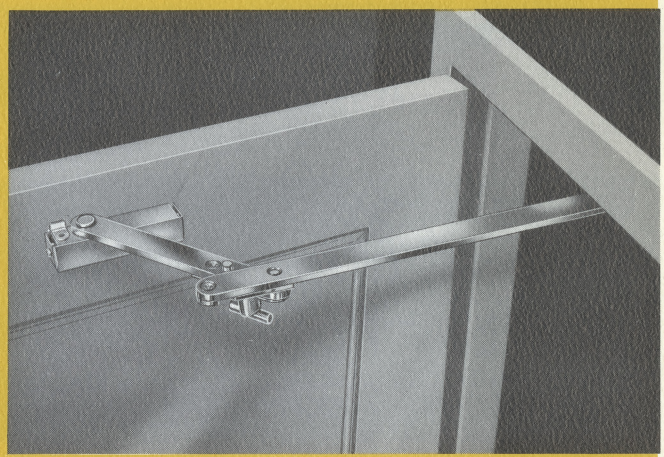
Description	Page
Door Holders	
Automatic	222
Electro-Magnetic	223
Friction Type	225
Foot Bolt Type	224
Hook Type	226
Lectro-Mag	223
Lever Type	225
Overhead	216-221
Door Silencers	226
Door Stops	224-227
Door Stops and Holders	225, 226
Door Bumpers	227
Overhead Door Holders	216-221
Smoke Detector	223

Numerical Index

Number	Description	Page
AR1	Door Stop	225
AR1½	Door Stop	225
3	Rubber Tip	224
4	Rubber Tip	224
5	Rubber Tip	224
6	Rubber Tip	225
33	Silencer	226
33T	Tool	226
34	Silencer	226
100	Smoke Detector	223
150	Door Stop	226
150½	Door Stop	226
153	Door Stop & Holder	226
153½	Door Stop & Holder	226
155	Door Stop	226
155½	Door Stop	226
156	Door Stop & Holder	226
156½	Door Stop & Holder	226
165	Door Stop	224
165½	Door Stop	224
207	Door Stop	224
207½	Door Stop	224
T208	Door Stop	225
209	Door Stop	224
209½	Door Stop	224
210	Door Stop	224
210½	Door Stop	224
215	Door Holder	225
T217	Door Stop	225
T217½	Door Stop	225
T218	Door Stop	225
219	Door Stop	224
219½	Door Stop	224
230	Door Holder	222
230¼	Door Holder	222
230½	Door Holder	222
MP230	Door Holder	222
MP230¼	Door Holder	222
MP230½	Door Holder	222
232	Door Holder	222
232¼	Door Holder	222
232½	Door Holder	222
234	Door Holder	222
234¼	Door Holder	222
234½	Door Holder	222
235	Door Holder	222
235¼	Door Holder	222
235½	Door Holder	222
P239	Door Holder	222
AR270	Door Holder	224
286	Door Holder	225
349½	Door Bumper	227
349¾	Door Bumper	227
350	Door Stop	227
350½	Door Stop	227
350¾	Door Stop	227
352	Door Stop	227
352½	Door Stop	227
352¾	Door Stop	227
353	Door Stop	227
353½	Door Stop	227
353¾	Door Stop	227
494	Door Stop	227
496	Door Stop	227
520	Door Holder	220
521	Door Holder	221
522	Door Holder	221
523	Door Holder	221
541	Door Holder	221
542	Door Holder	221
543	Door Holder	221
600	Door Holder	216
602	Door Holder	216
603	Door Holder	216
610	Door Holder	216
612	Door Holder	216
613	Door Holder	216
620	Door Holder	216
622	Door Holder	216
623	Door Holder	216
700	Door Holder	219
702	Door Holder	219
TG702	Door Holder	220
703	Door Holder	219
TG703	Door Holder	220
705	Door Holder	219
1650	Door Holder	217
1652	Door Holder	217
1660	Door Holder	217
1662	Door Holder	217
1670	Door Holder	217
1672	Door Holder	217
2614	Lectro-Mag	223
2750	Door Holder	218
2752	Door Holder	218
2755	Door Holder	218
2757	Door Holder	218
7215	Door Holder	225
T7521	Door Holder	221
T7522	Door Holder	221
T7523	Door Holder	221
T7541	Door Holder	221
T7542	Door Holder	221
T7543	Door Holder	221

RUSSWIN





New RUSSWIN LECTRO-MAG* Door Holder Electrically Releases Self-Closing Barrier Doors

Designed to provide for automatic emergency release of closer-equipped smoke and fire barrier doors. New Russwin holder consists of a wall-mounted electro-magnetic unit with a universal or self adjusting strike plate (armature) attached to the door. The device is normally in activated condition for door holding. On interruption of current by any means such as fire or smoke detectors, sprinkler system, etc., magnetic holder is deactivated and closer-equipped doors swing closed. Holders are also deactivated if power fails, as happens in emergencies. May be installed to release all barrier doors simultaneously, and may be wired for automatic release of individual doors. Designed for use in public buildings, hospitals, schools, etc. Complies with requirements of the National Fire Codes . . . UL approved.

*Trademark

See page 223

For Any Door...For Any Building RUSSWIN Overhead Door Holders Outperform All Others!

And outlast **all** others, too! Modern styling, extra heavy-duty construction — rugged extruded brass with hard-drawn brass or bronze arms. Specially designed adjustable holding force enables Russwin holders to hold doors open in a range of degree stops-up to 110 degrees maximum, thus providing the ultimate in door holding performance and efficiency with strength-to-spare. Furthermore, they can adjust to suit conditions of wind, drafts, door size and weight of door. Available in a variety of series numbers to accommodate various applications for exterior and interior doors with basic inherent quality construction features in each series.

See pages 216-221

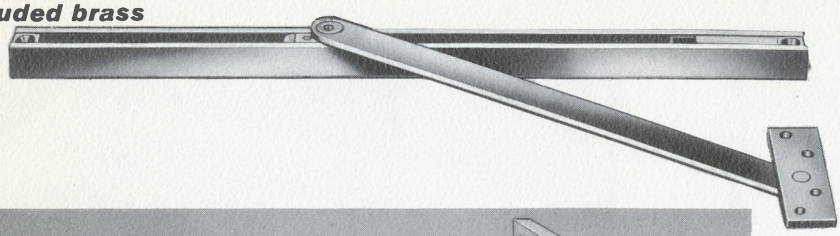
Also See page 228 for chart listing template information on Overhead Door Holder x Door Closer applications.

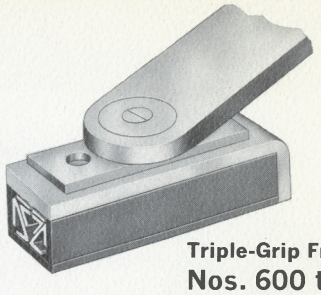
Russwin Door Holders are "Made-To-Order" for Schools, Hospitals, Office Buildings and other Commercial Installations.

Overhead Door Holders

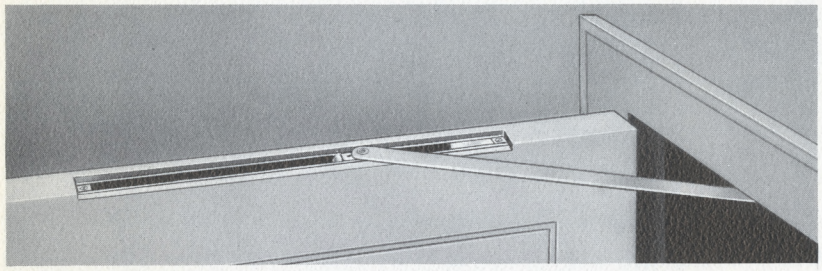
600 Series — Friction And Free Acting Concealed Type, Reversible

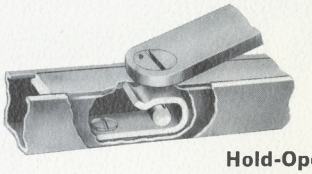
extruded brass





Triple-Grip Friction Slide
Nos. 600 to 603





Hold-Open Feature
Nos. 610 to 613

Designed for use on single and double-acting, light and medium-weight interior doors. All are concealed, with only the arm exposed when door is opened. Equipped with extruded and hard-drawn parts for strength, it has spring shock absorber with rubber block.

No. 600 Concealed Three-Way Friction Door Holder

By means of an original method of applying friction, all three inner surfaces of the track are utilized. This provides more than twice the frictional area found in similar devices, assures increased life of all frictional parts and eliminates the necessity for frequent adjustments.

No. 610 Concealed Free-Acting Door Holder

This device uses the same track, arm and shock absorber as the No. 600 holder, but has an extruded brass slide and a fixed holding mechanism which engages and releases automatically. Large holding surfaces provide long service life. Holding parts are hardened against wear.

No. 620 Concealed Door Stay

This stay uses the same track, arm and shock absorber as the No. 600 holder, but has no friction control or fixed holding mechanism.

Specify: Number, type and size of hinge or pivot, degree of opening, width and thickness of door, whether wood or metal doors and frames and finish. Special templating available for special applications.

Conforms to Federal Specifications:

Gov't Type	*RUSSWIN No.*
1164	*600A etc.*
1166	*610A etc.*
1166A	*620A etc.*

Track: Extruded brass
⅞ in. wide x ¾ in. deep x 1/16 in. thick.

Arm: Hard-drawn brass or bronze
⅞ in. wide x 3/16 in. thick.

Jamb Bracket: 3½ x 1 x 3/16 in.

Maximum Opening (Approx): 110°, sizes B to F
90°, size A

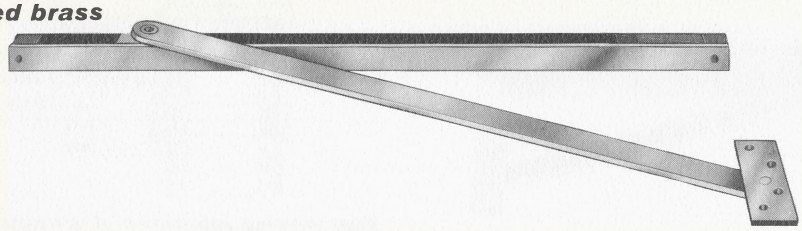
packed: 1 per box

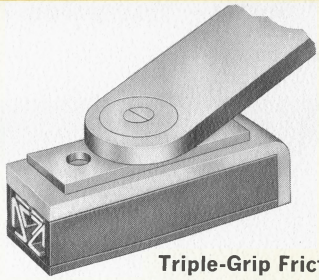
Hinges Or Offset Pivots†	Center-Hung Pivots		Door Widths Inches, Incl.
	Single-Acting	Double-Acting	
Concealed Three-Way Friction Holder			
600A	....	....	15 to 17½
600B	....	....	18 to 23½
600C	....	....	24 to 29½
600D	602D	603D	30 to 35½
600E	602E	603E	36 to 41½
600F	602F	603F	42 to 48
Concealed Free-Acting Holder			
610A	....	....	15 to 17½
610B	....	....	18 to 23½
610C	....	....	24 to 29½
610D	612D	613D	30 to 35½
610E	612E	613E	36 to 41½
610F	612F	613F	42 to 48
Concealed Door Stay			
620A	....	....	15 to 17½
620B	....	....	18 to 23½
620C	....	....	24 to 29½
620D	622D	623D	30 to 35½
620E	622E	623E	36 to 41½
620F	622F	623F	42 to 48

†When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door except that on 600, 610, 620, A and B sizes only, No. 413 intermediate pivot should be used at top of door because of interference.

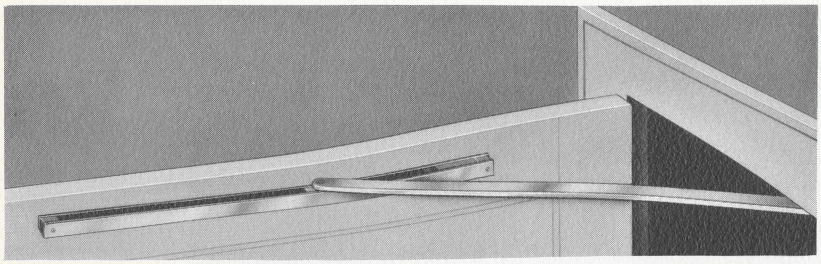
"1650" Series — Friction And Free Acting Surface-Type, Reversible

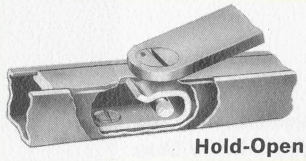
extruded brass





Triple-Grip Friction Slide
Nos. 1650 to 1652





Hold-Open Feature
Nos. 1660 and 1662

Designed for use on single acting light and medium-weight doors. Surface applied, these holders have extruded and wrought parts for strength and spring shock absorber with rubber block.

No. 1650 Surface Friction Door Holders

By means of an original method of applying friction, all three inner surfaces of the track are utilized. This provides more than twice the frictional area found in similar devices, assures increased life of all frictional parts and eliminates the necessity for frequent adjustment.

No. 1660 Surface Free-Acting Door Holders

This device uses the same track, arm and shock absorber as the No. 1650 holder, but has an extruded brass slide and a fixed holding mechanism which engages and releases automatically. Large holding surfaces provide long service life. Holding parts are hardened against wear.

No. 1670 Surface Door Stay

This stay uses the same track, arm and shock absorber as the No. 1650 holder, but has no friction control or fixed holding mechanism.

Specify: Number, type and size of hinge or pivot, degree of opening, width and thickness of door, whether wood or metal doors and frames and finish. Special templating available for special applications.

When these holders are required for mounting in conjunction with 400M and 400W door closers, suffix -4 to number, i.e., 1660A-4, etc.

No. 1650A, etc., Conforms to Federal Specification 1165

Track: Extruded brass.
⅞ in. wide x ¾ in. deep x 1/16 in. thick.

Projection: ⅞ in.

Arm: Hard-drawn brass or bronze, 3/16 in. thick.

Jamb Bracket: 3½ x 1 x 3/16 in.

Maximum Opening (Approx.): 110°, sizes B to F
95°, size A

packed: 1 per box

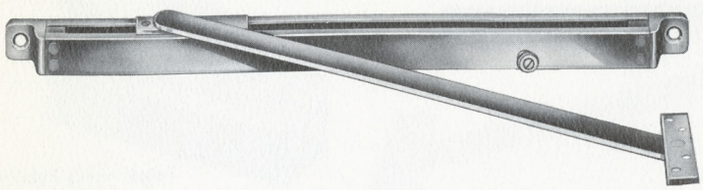
Hinges Or Offset Pivots†	Center-Hung Pivots, Single-Acting	Door Widths Inches, Incl.
Surface Three-Way Friction Holder		
1650A	....	17 to 19½
1650B	1652B	20 to 23½
1650C	1652C	24 to 29½
1650D	1652D	30 to 35½
1650E	1652E	36 to 41½
1650F	1652F	42 to 48
Surface Free-Acting Holder		
1660A	....	17 to 19½
1660B	1662B	20 to 23½
1660C	1662C	24 to 29½
1660D	1662D	30 to 35½
1660E	1662E	36 to 41½
1660F	1662F	42 to 48
Surface Door Stay		
1670A	....	17 to 19½
1670B	1672B	20 to 23½
1670C	1672C	24 to 29½
1670D	1672D	30 to 35½
1670E	1672E	36 to 41½
1670F	1672F	42 to 48

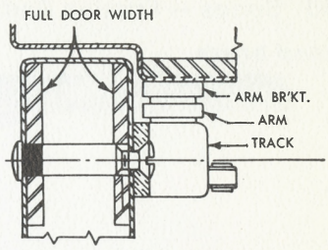
†When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door.

Overhead Door Holders

"2750" Series — Heavy-Duty Positive Grip Surface Type, Reversible

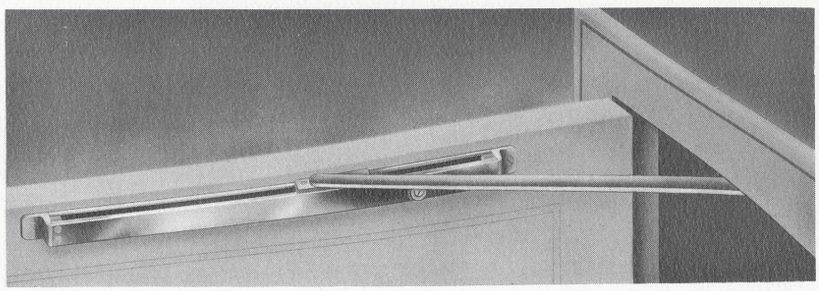
extruded brass





View showing application of sex nuts and bolts

Minimum Top Rail 1⅞ in. Below Stop



For single acting exterior or interior doors, applied to top rail of door. Sturdily constructed, this holder is designed to give years of satisfactory service. Equipped with extruded and wrought parts for strength and built-in shock absorber, this holder has holding parts of hardened steel and adjustable holding tension.

This neat, inconspicuous device is mounted directly on the surface of the door, slightly below the top. The track is made of extruded brass. The extruded brass slide carries the holding mechanism which engages and disengages automatically. End flange (for attachment of holder to door) is forged brass.

The disengaging mechanism, which makes the device non-holding when desired, is in the track and is operated by a turn of the control knob.

The enclosed shock absorber consists of a heavy tempered cadmium plated steel buffer spring secured in end bracket and brass buffer block.

If desired without hold-open device, specify No. 2755 instead of 2750, i.e., 2755A, etc.; and No. 2757 instead of 2752, i.e., 2757A, etc.

A common template is available for all sizes of holders for 1¾ to 2¼ inch doors, opening from 85° through 110°. Special templating available for special applications.

Regularly furnished with through bolts and long shank sex nuts for all doors.

Specify: Number, type and size of hinge or pivot, degree of opening, width and thickness of door, whether wood or metal doors and frames, hand of door; make and number of fire exit bolts, flush bolts, brackets and door closer; and finish.

Track: Extruded brass, 1$^{3}/_{16}$ high x 1¼ in. deep.

Projection: 1$^{11}/_{16}$.

Arm: Hard drawn brass or bronze.
1 in. wide x ¼ in. thick.

Jamb Bracket: 3⅝ x 1 x ¼ in.

Maximum Opening (Approx.): 110°.

Holder Numbers

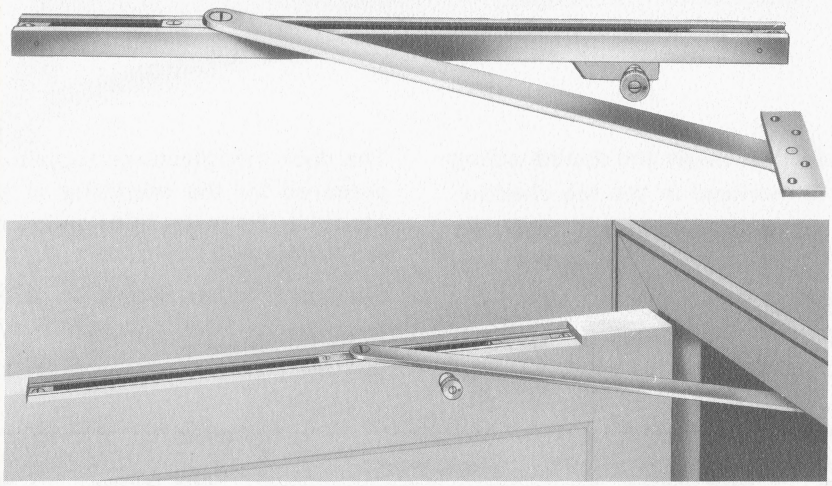
packed: 1 per box

Hinges Or Offset Pivots	Center-Hung Pivots, Single-Acting	Door Widths Inches, Incl.
2750A	2752A	28 to 29½
2750B	2752B	30 to 31½
2750C	2752C	32 to 35½
2750D	2752D	36 to 39½
2750E	2752E	40 to 43½
2750F	2752F	44 to 48

When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door.

"700" Series — Heavy-Duty Positive Grip Concealed Type, Reversible

extruded brass



This heavy-duty holder for single and double acting doors is mortised in the top edge of door and is completely concealed when door is closed.

The RUSSWIN No. 700 is a strong, sturdy, free-acting door holder with an automatically engaging and releasing hold-open, spring shock absorber and manual holder-disengaging feature.

The track is of extruded brass, the arm is of cold drawn hard tempered brass or bronze. The slide is of extruded brass. All holding parts are hardened against wear.

The shock absorber consists of a fiber faced large brass bumper block backed up by a heavy tempered cadmium plated steel buffer spring. The disengaging mechanism, which makes the device non-holding if desired, is operated by means of a neat knob extending slightly beyond the face of the door. The holding tension is adjustable.

If desired without hold-open device, specify 705 series, i.e., 705A, 705B, etc.

Specify: Number, type and size of hinge or pivot, degree of opening, width and thickness of door, whether wood or metal doors and frames, hand of door; make and number of fire exit bolts, flush bolts and door closer; and finish. Special templating available for special applications.

For tempered glass doors, see page 220.

packed: 1 per box

Hinges Or Offset Pivots†	Center-Hung Pivots		Door Widths, Inches, Incl.	Track, Inches			Arm, Inches		Jamb Bracket, Inches	Opening, Max. (Approx.)
	Single-Acting	Double-Acting		Width	Depth*	Thick.	Width	Thick.		
700A	....	....	24 to 25½	1⅛	⅞	⅛	1⅛	3/16	4 x 1⅛	110°
700B	....	....	26 to 28½							
700C	702C	703C	29 to 33½							
700D	702D	703D	34 to 37½							
700E	702E	703E	38 to 42½							
700F	702F	703F	43 to 48							

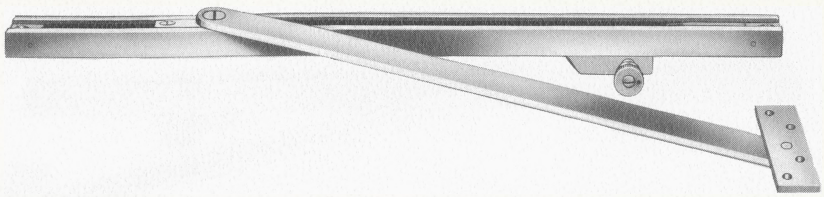
†When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door. *1½ in. deep at holding point.

700A, etc., Conforms to Federal Specification 1160
703C, etc., Conforms to Federal Specification 1160D

Overhead Door Holders

Heavy-Duty Positive Grip Concealed Type, Reversible

extruded brass



This heavy-duty door holder for single and double-acting tempered glass doors is mortised in the top channel. Completely concealed when door is closed, only the arm is exposed when door is open. Equipped with adjustable holding tension and extruded and hard drawn parts for strength, this holder has spring shock absorber and holding parts of hardened steel.

The door manufacturer supplies the channel which is prepared for the mortising of the door holder when required. Template information must be furnished for the holder.

Specify: Number, single or double-acting pivot, hand and width of door, degree of opening and finish.

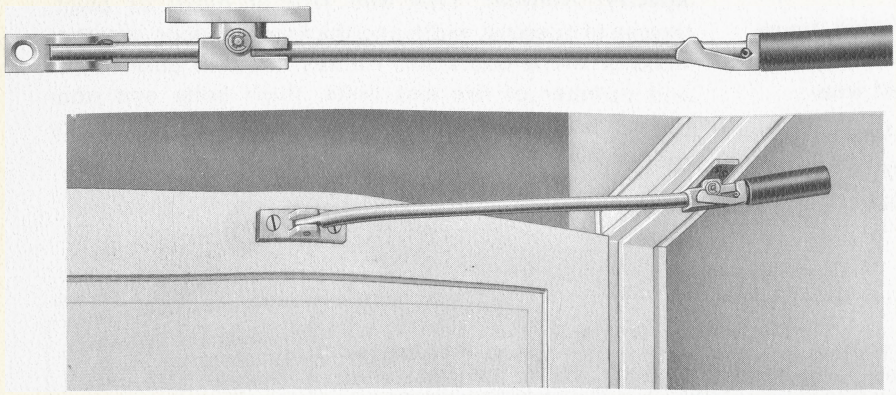
Special templating available for special applications.

packed: 1 per box

Center-Hung Pivots		Door Widths, Inches, Incl.	Track, Inches			Arm, Inches		Jamb Bracket, Inches	Degree Opening
Single-Acting	Double-Acting		Width	Depth*	Thick.	Width	Thick.		
TG702A	TG703A	26 to 29	1⅛	⅞	⅛	1¾	3/16	4 x 1⅛	90°
TG702B	TG703B	30 to 36							
TG702C	TG703C	37 to 48							

*1½ in. deep at holding point.

"Roll-r-Hold"* — 520 Series — Surface Type, Reversible



These door holders for single-acting doors and hinges are constructed with a dual holding latch which engages steel rollers to hold the door open to a maximum of 110°. The holding mechanism is adjustable. When completely released, the holder acts as a shock absorber only.

Equipped with automatic engaging and release, this holder has steel dual latch and rollers, electro-filmed steel roller axle and adjustable holding force. Spring shock absorber is concealed by brass cover.

Number	Length, Inches Over-All, Applied	Door Widths, Inches, Incl.
520A	21½	29 to 34
520B	24⅞	35 to 40
520C	28¼	41 to 46
520D	32 3/16	47 to 53

When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door.

Specify: Number, size and type of hinge pivot, degree of opening, width and thickness of door, whether wood or metal doors and frames and finish. Special templating available for special applications.

Slide: Cast gun metal bronze.

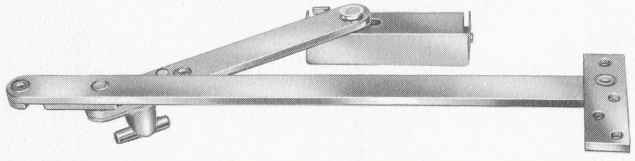
Brackets: Cast gun metal bronze.

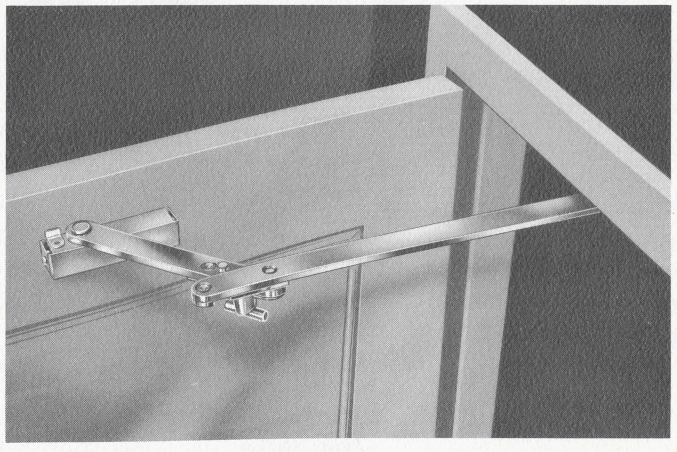
Steel Rod: ½ in.

Maximum Opening (Approx.): 110°.

*Trademark

"521" Series — Heavy-Duty Positive Grip Surface Type, Reversible





For use with hinges, offset pivots or center-hung pivots on single acting doors, this holder is of sturdy construction and affords positive holding.

Nos. 521, 522, 523, T7521, T7522, T7523: Hold-open mechanism engages or releases automatically when opening or closing door. Holding force can be increased or decreased by adjustment of tension screw in end of hold-open plunger. A turn of the T Handle releases holding mechanism entirely, making the device an overhead stay.

Nos. 541, 542, 543, T7541, T7542, T7543: Operates as door stay only. No hold-open mechanism. Does not have T Handle.

When Russwin pivot hinges are used, No. 412 top pivot should be used at top of door.

Regularly furnished with through bolts and long shank sex nuts.

Buffer and bracket has same spring as used in 2750 (page 218).

Degree of Hold-Open: 85° to 110° on doors 27½ inches and over. 90° to 110° on doors to 27½ inches.

Maximum Arm Projection: 2¾ in.

Arm: Hard-drawn, ¼ in. thick.

Door Bracket: 4½ x 1 x 1⅛ in.

Jamb Bracket: 3⅝ x 1 in.

packed: 1 per box

Brass Or Bronze Arms	Cold Drawn Steel Arms*	Door Widths, Inches, Incl.
Surface Three-Way Friction Holder		
521	T7521	27 to 33
522	T7522	over 33 to 38½
523	T7523	over 38½ to 48
Surface Door Stay		
541	T7541	27 to 33
542	T7542	over 33 to 38½
543	T7543	over 38½ to 48

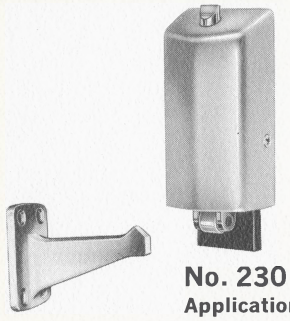
*Available in SBL or DBL finishes only.

Door Holders

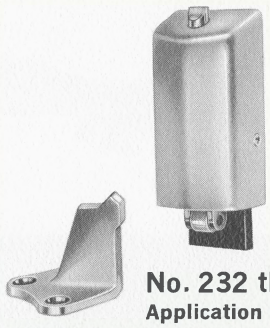
Automatic Door Holders With Adjustable Holding Force

Wall Or Floor Application

cast brass, bronze or aluminum



No. 230
Application Of Strike To Wall



No. 232 through No. 235
Application Of Strike To Floor

Conforms to Federal Specifications:
230 Series, Type 1169 (mod.); 232 Series, Type 1168A; No. P239, Type 1168B.

These automatic door holders with adjustable holding force are designed for heavy-duty service. Both roller and pin are made of special bronze, bumpers are of rubber, strikes are of tough gun metal. The same holder is used with both wall and floor types.

The spring pressure is adjustable to suit varying widths and weights of doors to provide proper holding force without undue strain on the door.

Concealed mounting screws.

Can be converted to regular door bumper by rotating adjuster approx. 90°, thus retracting holding mechanism.

Can be furnished with sex nuts when so required. Suffix "x sex nuts" to number, i.e., 230 x sex nuts, etc.

Dimensions, Inches

Part	Length	Width	Projection
Holder	3¾	2	1¼
Wall Strike	2¾	2	3¼
Floor Strike	4	2⅜	See table below

packed: 1 per box with screws

Number	Clearance, In.	Strike Projection, In.	Application, Strike On
Strike Applied To Wall*			
230	3½	3¼	Wood wall or base
230¼	3½	3¼	Concrete floor — wood screw x rawl plug
230½	3½	3¼	Concrete floor — mach. screw x caulking anchor
Strike Applied To Floor			
232	up to 1¼	1 13/16	Wood floor
232¼	up to 1¼	1 13/16	Concrete floor — wood screw x rawl plug
232½	up to 1¼	1 13/16	Concrete floor — mach. screw x caulking anchor
234	over 1¼ to 1⅝	2 5/16	Wood floor
234¼	over 1¼ to 1⅝	2 5/16	Concrete floor — wood screw x rawl plug
234½	over 1¼ to 1⅝	2 5/16	Concrete floor — mach. screw x caulking anchor
235	over 1⅝ to 2⅛	2 9/16	Wood floor
235¼	over 1⅝ to 2⅛	2 9/16	Concrete floor — wood screw x rawl plug
235½	over 1⅝ to 2⅛	2 9/16	Concrete floor — mach. screw x caulking anchor

Available in US10, US26, US26D and US28 finishes only.

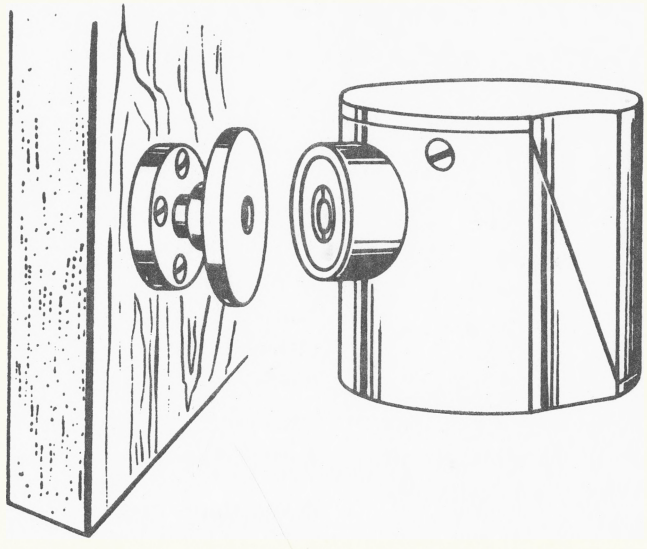
*Also available for mounting strike on door, holder on wall by means of mounting plate. Prefix MP to number, i.e., MP230, MP230¼, MP230½.

Iron Pipe Application: Can be furnished with strike to be applied to 1 inch iron pipe for exterior concrete uses (Pipe furnished in 12 and 18 inch lengths only). Specify No. P239 and suffix "-12" for 12 inch or "-18" for 18 inch pipe.

SPECIFY NUMBER AND FINISH

TEMPORARY CATALOG PAGE 222A

(Replaces Temporary Page 222A dated 10/65)



No. 2615P Post Mounting Bracket for "Lectro-Mag" door holder (Shown with 2614 Lectro-Mag Holder applied).

When wall mounting is either not available or not desirable, this mounting bracket permits floor mounting of the Lectro-Mag.

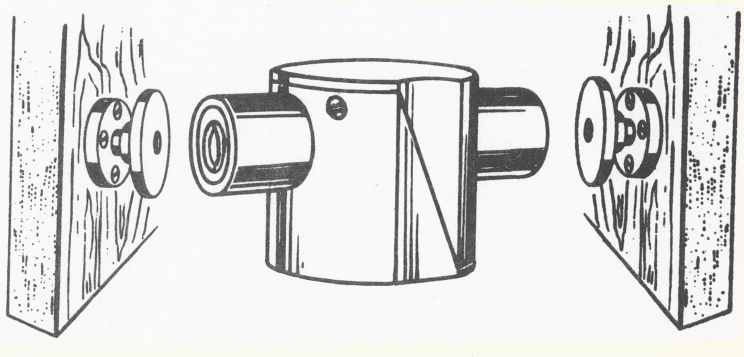
Finishes: SBL Silver Aluminum Lacquer, DBL Satin Bronze Lacquer

Projection from floor: 3 3/4" Dimensions of base: 4 1/4" x 4"

When required for doors opening back-to-back, specify No. 2615P2.

Shown at right.

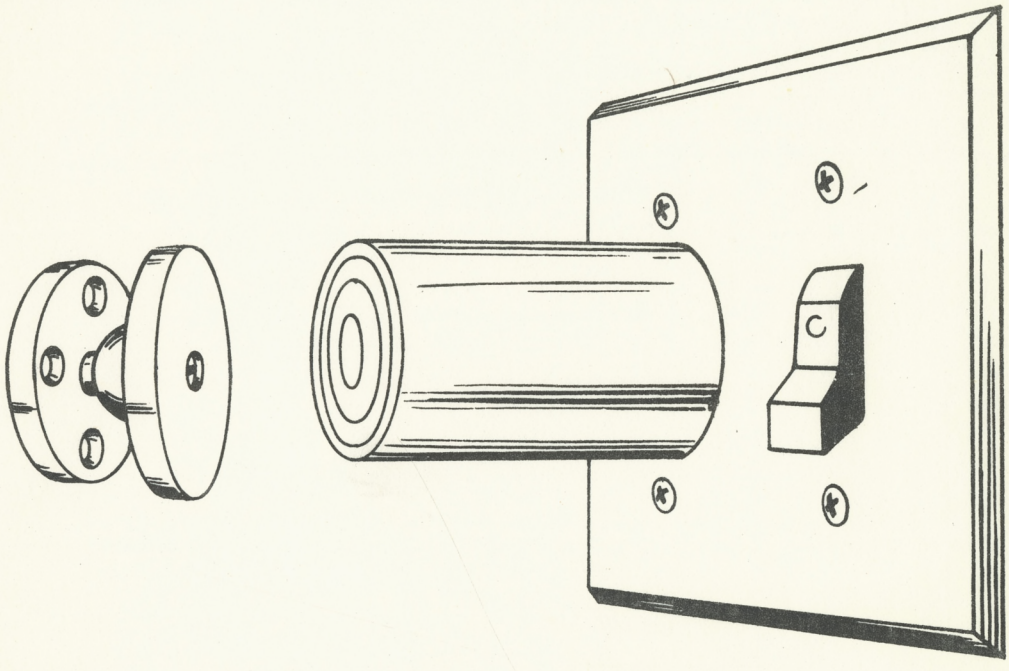
Takes two Lectro-Mag Holders mounted back-to-back.



"Lectro-Mag" is a registered trademark of RUSSWIN

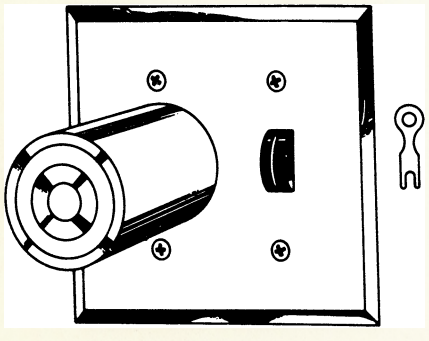
4/69

TEMPORARY CATALOG PAGE 222B



Lectro-Mag (registered trademark) Door Holder with Re-set Switch Plate

When Lectro-Mag Holder is required for use with re-set switch plate in place of regular plate, specify No. 2614S. Available only in conjunction with No. 100 Smoke Detector. When ordering, specify "100 x 2614S". In situations where more than one Lectro-Mag is required to tie in with one Smoke Detector, specify "100 x 2614S x 2614", etc.



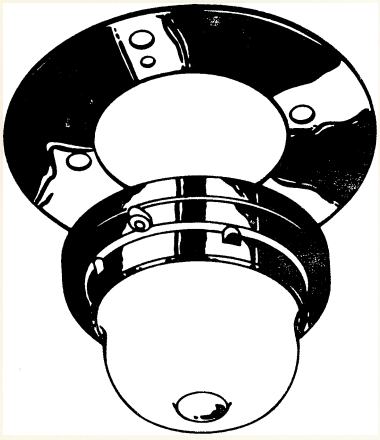
2614 KS

Key Operated Re-set Switch Plate:

When 2614S Lectro-Mag (described above) is required "key operated" to insure authorized operation only, specify 2614KS instead of 2614S.

3/66

TEMPORARY CATALOG PAGE 222C

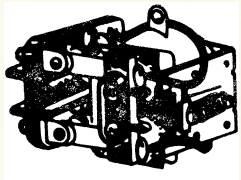


No. CRF-2

Fire Detector No. CRF-2

The purpose of the fire detector is to provide heat detection (combines fixed temperature - 136° and rate of rise action) to supplement smoke detection provided by our No. 100 Smoke Detector (where required by local codes or N. F. P. A. standards). It will mount on either a 3" or 4" octagon junction box, using the adapter plate furnished. Several Fire Detectors may be used with a Lectro-Mag/Smoke Detector package.

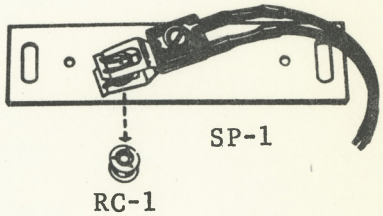
Relay No. CRF1: For use in conjunction with Fire Detector above. One Relay is used with one Lectro-Mag/Smoke Detector system. Either a Smoke Detector or a Relay can signal one or more Lectro-Mag holders to permit closing of all doors in that particular system. The Relay is activated by one or more Fire Detectors. Relay is mounted on a standard outlet box with blind cover.



No. CRF-1

Surge Protector No. SP-1

For use in conjunction with the Lectro-Mag door holder, this item protects against a sudden surge of voltage causing damage to wiring of Lectro-Mag or Smoke Detector. Regularly furnished with 2614S, furnished only when ordered with 2614 Lectro-Mag.



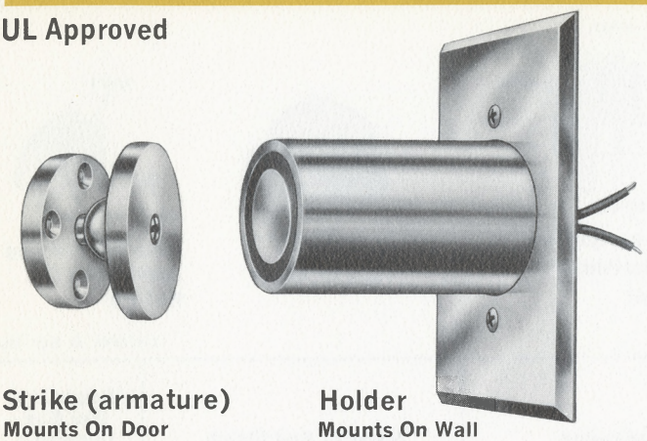
SP-1

RC-1

Replacement Cartridge RC-1: Available for use with Surge Protector SP-1.

Replacement Lamp No. 159: For use with No. 100 Smoke Detector. This item not illustrated.

UL Approved



Strike (armature)
Mounts On Door

Holder
Mounts On Wall

Material: Exterior parts steel

Finishes: US4 satin brass, US10 satin bronze, US26D satin chrome.

Dimensions:

Holder — Mounting plate 4⅜″ x 2¾″
Face diameter 1¾″
Projection from wall 3″

Strike — Base diameter 1¾″
Face diameter 2″
Projection from door 1⅛″

Universal ball swivel assures strike and holder making full contact.

LECTRO-MAG* Door Holder (Model 2A)

No. 2614 For 115 Volts A.C., 3.5 Watts
(Has built in rectifier which converts to DC).

No. 2614-24 For 24 Volts A.C., 4 Watts.
This holder was designed for use on Closer equipped doors of public buildings, i.e., schools, hospitals, etc. In any emergency, such as fire or smoke, all doors held open with this holder on one circuit can be released simultaneously by a master switch. Can also be set up so that a smoke sensitive device, or other methods, would automatically interrupt electric current thus releasing all doors. In addition they are, of course, subject to manual closing at all times.

Holder is mounted on wall in standard electrical box, strike (armature) is mounted on door (recommended location at top of door as close to lock stile as possible).

Door is held open by electro-magnetic holder unless current is interrupted, releasing door for normal closing by door closer. Some of the methods that may be used to release door are as follows:

- smoke-sensitive device (see below)
- sprinkler head release
- master switch
- fire alarm
- thermal circuit breaker
- manual pull on door (pull force approx. 25 lbs.)

*Trademark

Smoke Detector



No.100

This device is used in conjunction with Lectro-Mag holder above. When smoke accumulates to a given density Detector automatically cuts off current to door holder, releasing all doors to which the Detector is connected. When current is cut, Detector remains activated until re-set by means of manually operated on-off switch. Switch furnished with Detector. Note: No additional control equipment required. Detector mounts on standard 4″ junction box. **Detector will close only those doors which have smoke in their presence, leaving the others open to provide unimpeded personnel evacuation.**

FM Approved.

Operated on 110-120 Volts, 60 cycle, A.C. — 3.6 watts

Base Diameter: 8 inches.

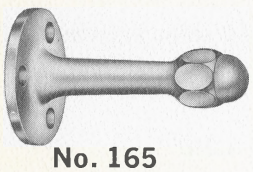
Projection: 4 inches.

Material: Housing of black phenolic, ivory enamel finish.

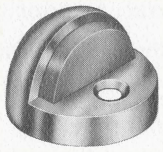
SPECIFY NUMBER AND FINISH

DOOR STOPS and HOLDERS

Door Stops — Medium Weight



No. 165
Type Of 165½



No. 209
Type Of 209½, 219, 219½, 207, 207½

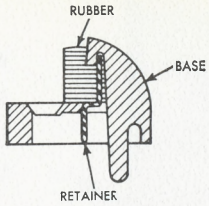
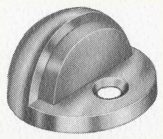


Diagram Showing Application Of Rubber



No. 210
Type Of 210½

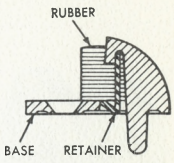


Diagram Showing Application Of Rubber

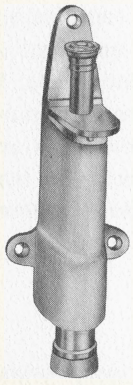
packed: 6 per box

Number	Height Base, Inches	Overall Height Or Project. Inches	Method Of Application	Material And Finish	Weight, Lb. Per Box (Approx.)
Wall Type					
165	....	3⅝	Wood screws	Cast brass, bronze	3½
165½	....	3⅝	Expansion bolt	or aluminum, polished	4½
For Doors With Threshold*					
209	½	1⅜	Wood screw and #14-1 Rawl plug		2
209½	½	1⅜	Caulking anchor	Cast brass or bronze,	2¼
207	¾	1⅝	Wood screw and #14-1 Rawl plug	polished; stainless steel	2
207½	¾	1⅝	Caulking anchor	(209, 209½ only) and	2¼
219	⅜	1¼	Wood screw and #14-1 Rawl plug	sprayed aluminum	2
219½	⅜	1¼	Caulking anchor		2¼
For Doors Without Threshold*					
210	5/32	1	Wood screw and #14-1 Rawl plug	Cast brass or bronze,	1⅝
210½	5/32	1	Caulking anchor	polished; stainless steel and sprayed aluminum	1⅞

*Nos. 209 through 219½ recommended for use in schools as their construction allows easy cleaning around stop.

210-210½ Conforms to Federal Specification 1330
209-209½ Conforms to Federal Specification 1330A

Foot Bolt Type Door Holders



No. AR270

These holders are regularly fitted with tip No. 4. Will not loosen in service. End of tip is formed in concentric rings to provide floor-gripping service.

Tips No. 3 (fastened with pin) and No. 5 (threads into tapped hole in holder) can be furnished as replacement tips for old model holders.

When not in use, bolt is held in retracted position by spring.

Conforms to Federal Specification 1154A

packed: 3 per box

Number	Size, Inches	Throw, Inches	Material And Finish	Weight, Lb. Per Doz. (Approx.)
AR270	6¾ x 2⅝	1⅛	Cast brass or bronze, highly polished	14¾

Tips



No. 4
Regularly Furnished



No. 3 **No. 5**
Replacement Tips For Old Models

SPECIFY NUMBER AND FINISH

Door Stops, Rubber-Tipped

Light And Medium Weight, Wall And Floor Types

cast brass or bronze, polished



No. T208



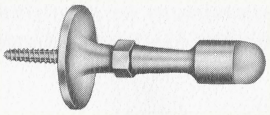
No. T217
Type Of T217½



No. T218

With Armored Rubber Tips

Medium Weight



No. AR1
Type Of AR1½

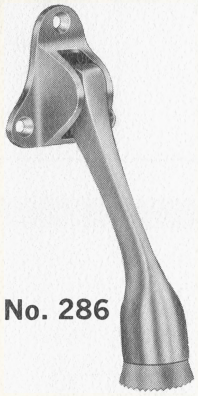


Removable rubber tip is molded integrally with brass ferrule for secure anchorage.

Number	Base, Inches	Project., Inches	Packed Per Box	Weight, Lb. Per Box (Approx.)
T208	1	3	10	1⅝
T218	1¼	1⅜	10	1¾
T217**	1¼	3¼	10	2¼
AR1**	1⅝	3⅛	6	3¼

**Furnished with wood screw as shown. If T217 is desired with lead shield in addition to wood screw, suffix ½ to number, i.e., T217½. If AR1 is desired with expansion bolt, suffix ½ to number, i.e., AR1½.

Foot Lever Door Holder



No. 286



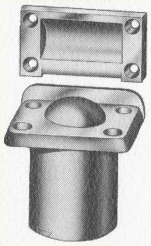
No. 6

Applied to push side of self-closing door. When not in use, bolt is held in retracted position by spring. Rubber tip No. 6 threads into tapped hole in holder.

(Replacement tip Nos. 3, 4 and 5 are available for old model holders.)

Number	Length, Inches	Max. Floor Clearance, In.	Material And Finish	Weight, Lb. Per Doz. (Approx.)
286	4½	2	Cast brass or bronze, pol.	4½

Friction Door Holder



Nos. 215, 7215

No. 215: Cast brass or bronze, polished.

No. 7215: Cast iron, plated, polished.

Regularly furnished for wood floors. Cast iron boxes for cement or tile floors furnished only when ordered.

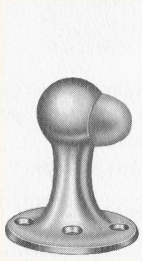
Number	Size, Inches	Case		Strike, Inches	Weight, Lb. Per Doz. (Approx.)
		Diameter	Depth		
215 7215	2¼ x 2¼	1½	1⅞	1¼ x 2¼	15

DOOR STOPS and HOLDERS

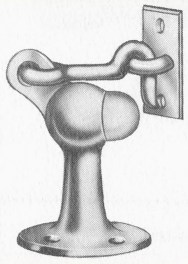
Door Stops And Holders For Public Buildings

Heavy-Weight Wall And Floor Types, Rubber Tipped

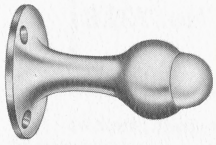
cast brass, bronze, aluminum or stainless steel; polished
(Nos. 153, 153½, 156, 156½ Not Available In Aluminum)



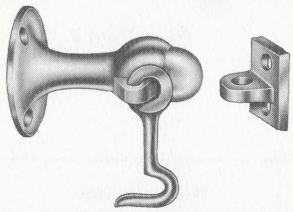
No. 150
Type of 150½



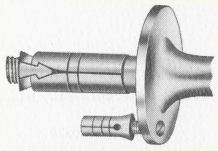
No. 153
Type of 153½



No. 155
Type of 155½



No. 156
Type of 156½
Right-hand shown

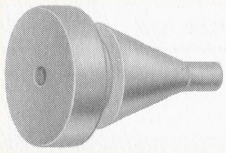


Type of expansion bolt and screw furnished with these stops

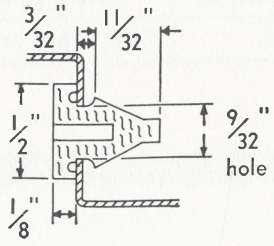
Number	Base, Inches	Height Or Projection, Inches	Method Of Application	Conforms To Fed. Specification	Packed Per Box	Weight, Lb. Per Doz. (Approx.)
150	2½	3	Wood screws	1328	1	11¼
150½	2½	3	Expansion bolt and one screw	1328E	1	12½
153	2½	3⅝	Wood screws	1329	6	13½
153½	2½	3⅝	Expansion bolt and one screw	1329E	6	16
155	2½	3½	Wood screws	1320	1	11¼
155½	2½	3½	Expansion bolt and one screw	1320E	1	12½
156*	2½	3½	Wood screws	1321	1	15¼
156½*	2½	3½	Expansion bolt and one screw	1321E	1	16½

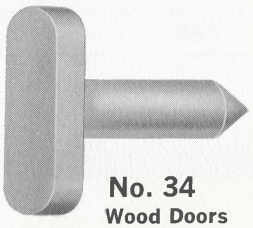
*Not reversible, specify hand.

Door Silencers

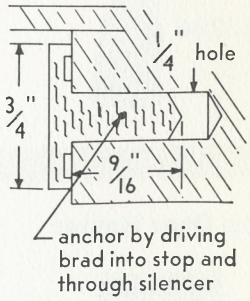


No. 33
Metal Doors





No. 34
Wood Doors

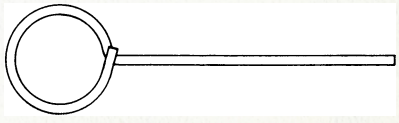


Recommended For Hospitals, Hotels, etc.; Wherever Silent Closing Is Desired

Rubber door silencers are secured in frame to act as a cushion when door is closed. Application is simple — drill hole in frame and (using installation tool 33T for No. 33) insert silencer into hole. Three silencers are recommended for each door.

Material: Grey rubber.

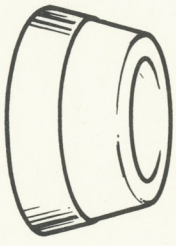
Weight (Approx.): 8 oz. per gross.



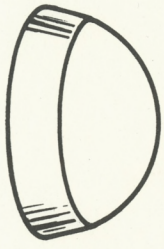
No. 33T
Installation Tool Furnished With No. 33 Silencer Only

SPECIFY NUMBER, HAND WHEN REQUIRED AND FINISH

TEMPORARY CATALOG PAGE 226A



No. 356
356-12
356-14



No. 355
355-12
355-14

Wrought brass, bronze, aluminum or stainless steel base

Grey rubber bumper

Base Diameter: 2 1/16 inches

Projection: 29/32 in. on 356 series, 31/32 in. on 355 series

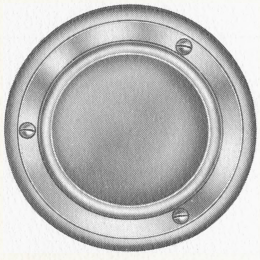
356 series has concave center in bumper to receive turn button or push button in cylindrical locks.

Number	Method of Attachment
355	Wood Screw
355-12	Machine Screw and Caulking Anchor
355-14	Machine Screw and Toggle Bolt
356	Wood Screw
356-12	Machine Screw and Caulking Anchor
356-14	Machine Screw and Toggle Bolt

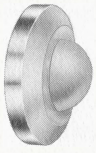
Packed 6 per box, approx. 3 oz. each in weight

Door Stops And Bumpers

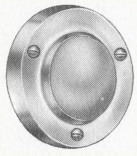
cast brass, bronze or aluminum



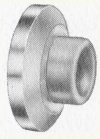
Nos. 349½, 349¾



Nos. 350,
350½, 350¾



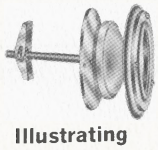
No. 352†
352½, 352¾



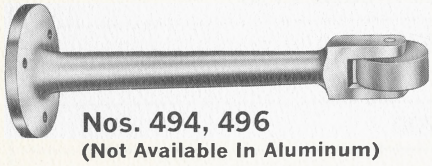
Nos. 353
353½, 353¾



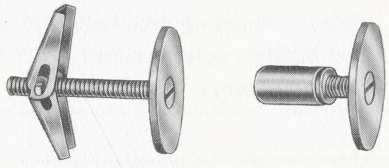
Illustrating
Method Of
Attaching
349½



Illustrating
Method Of
Attaching
349¾

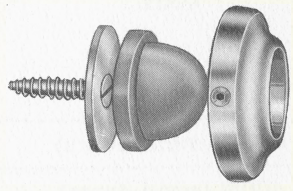


Nos. 494, 496
(Not Available In Aluminum)



Illustrating Method Of Attaching

350¾	350½
352¾	352½
353¾	353½



350
353

†Mounted by 3 surface screws as shown

Number	Base, Inches	Projection, Inches	Method Of Attachment	Conforms To Fed. Specification	Packed Per Box	Weight, Lb. Per Doz. (Approx.)
349½	4	⅞	Caulking anchor	1325E	1	12½
349¾	4	⅞	Toggle bolt	1325T	1	12
350*	2⅛	1 1/16	Wood screw	....	6	3¾
350½*	2⅛	1 1/16	Caulking anchor	....	6	4¾
350¾*	2⅛	1 1/16	Toggle bolt	....	6	5
352	2⅜	1 1/16	3 wood screws	1326	6	4
352½	2⅜	1 1/16	Caulking anchor	....	1	5
352¾	2⅜	1 1/16	Toggle bolt	1326T	1	5¼
353	2¼	1¼	Wood screw	....	6	3½
353½	2¼	1¼	Caulking anchor	....	6	4¼
353¾	2¼	1¼	Toggle bolt	....	6	3¼
494**	2	4	Wood screw	1341	6	6½
496**	2	6	Wood screw	1341A	6	8

*Flange fastened to base with set screw by means of special tool furnished.
**Stop with 1-in. diam. rubber roller. Applied on top rail when doors strike each other.

SPECIFY NUMBER AND FINISH

DOOR STOPS and HOLDERS

RUSSWIN Reg. U.S. Pat. Off. Marca Registrada

Door Closer x Overhead Door Holder Applications

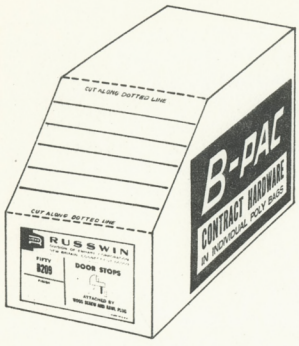
For wood or metal doors, unless otherwise stated. The initial number only of a series is listed but all others in the series are available unless specific limitation is listed. For example; when 1650 is listed, it applies to 1652, 1660. etc. and to sizes A thru F.

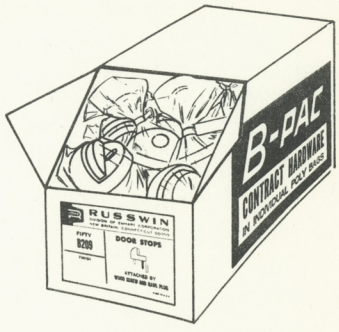
Door Closer Series:	Used with Door Holder Series:	
	Regular Templating	Modified Templating
59	600, 700	520, 521, 1650, 2750
59C to 59F x 526 bracket	520, 600, 700, 2750 (sizes B to F only)	521, 1650
P159, P259, P459	600	700
P159*	2750 (90°)	520, 1650
P259*, P459*	520, 1650, 2750	
400S	600, 700 (eliminate top screws in closer mounting brackets and use two bottom screws when used with these holders)	520, 521, 1650, 2750
400M (metal doors)		520, 521, 1650-4, 2750
400W (wood doors)		521, 1650, 2750
400S x 428 bracket	520, 600, 700, 2750 (sizes B to F only)	521, 1650
P400S	600	700
P400S x 21 bracket*	1650, 2750	
P400S x 25 bracket	520, 600, 700, 1650, 2750	521
500S	600, 700	520, 521, 1650, 2750
500M		520, 521, 1650, 2750
500S-RB9 x 528 bracket (When backset at 85° is required)	2750 (100° max. opening with butts, 110° max. with pivots)	
500S-RB x 528 bracket	520, 522 and 523 only, 600, 700, 2750	521 only, 1650
P500S	600	700
P500S x 517 bracket	520, 600, 700, 1650, 2750	
P500S x 518 bracket	522 and 523 only	521 only
600	600, 700	520, 521, 1650, 2750
600-4-B x 528B-38 bracket	520, 600, 700, 1650, 2750, 522 and 523 only	521 only
P600	600	700
P600 x 617 bracket	520, 521, 600, 700, 1650, 2750	

*Special door closer templating required

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

TEMPORARY CATALOG PAGE 228A



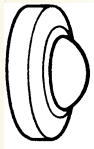
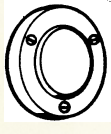
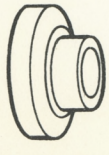


Russwin B - PAC Packaging

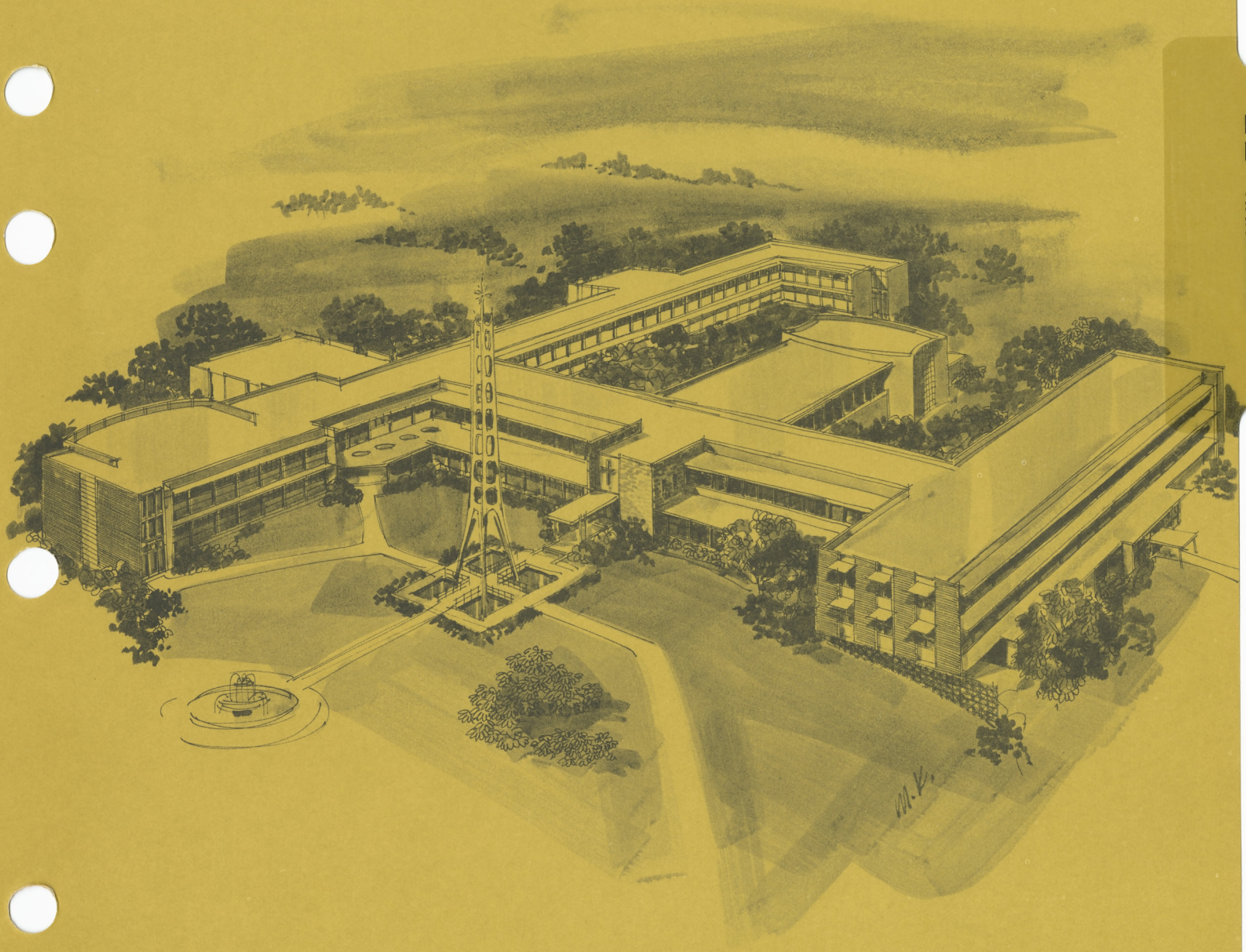
This new self-service type of bulk packaging is available in the following Door Stops. Container is heavy corrugated and items are individually packed in polyethylene bags for attractive counter display or convenient stock room handling.

Containers may be stacked one on top of another with easy access to each assured.

PREFIX "B" TO NUMBER WHEN ORDERING; i.e., B210, etc.

	Number	Packed Per Box	APPLICATION	Shown on Catalog Page
	209	50	Wood Screw & Rawl Plug	224
	209½		Mach. Screw & Caulking Anchor	"
	210	50	Wood Screw & Rawl Plug	"
	210½		Mach. Screw & Caulking Anchor	"
	350		Wood Screw	227
	350½	25	Mach. Screw & Caulking Anchor	"
	350-3/4		Mach. Screw & Toggle Bolt	"
	352		Wood Screws	"
	352½	25	Mach. Screw & Caulking Anchor	"
	352-3/4		Mach. Screw & Toggle Bolt	"
	353		Wood Screw	"
	353½	25	Mach. Screw & Caulking Anchor	"
	353-3/4		Mach. Screw & Toggle Bolt	"

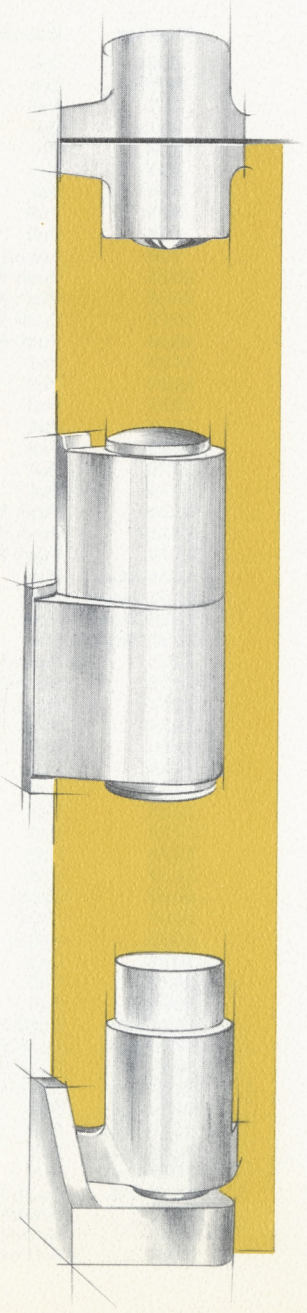
7/65



Loretto Novitiate
Denver, Colorado

RUSSWIN®

MISCELLANEOUS HARDWARE



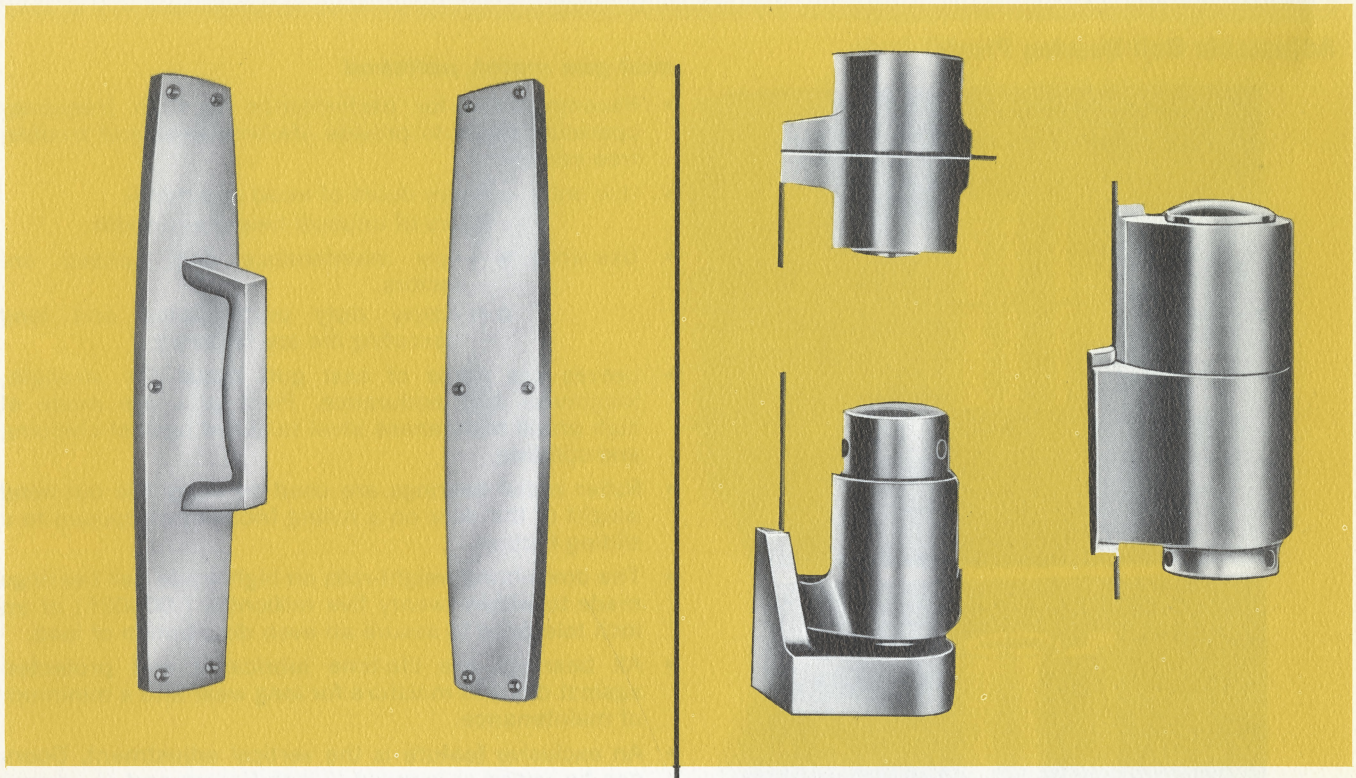
MISCELLANEOUS HARDWARE

Alphabetical Index

Description	Page
Bolts	
Cremone	250
Extension Flush	251
Mortise	251
Car Window Lock	254
Catches	
Friction	255
Screen Door	252
Hinges	234-238
Hooks	
Coat and Hat	252
Cabin Door	252
Pivots	232-233
Plates	
Armor	238
Kick	238
Push	239-240
Stretcher	238
Pulls	241-248
Asylum	248
Grips	248
Hospital	247
Offset	246
Push-Pull Bars	249
Sash Hardware	
Fasteners	254
Lifts	254
Pole	255
Pole Hanger	255
Pull Down Hook	255
Pull Sockets	255
Stop Bead Screws	255
Transom Adjusters	253

Numerical Index

Number	Description	Page
0	Hook	252
AC9	Bolt	250
AC9½	Bolt	250
15	Hanger	255
22	Socket	255
27	Hook	255
T033	Lift	254
036½	Lock	254
T037	Lift	254
054	Hook	252
76	Hinge	238
076¼	Grip	248
076¾	Grip	248
078	Grip	248
BB81¼	Hinge	235
85¼	Hinge	237
BB85¼	Hinge	235
86¼	Hinge	237
BB88	Hinge	234
BB89	Hinge	234
95¼	Hinge	237
BB95¼	Hinge	235
C98	Strike	251
T98	Strike	251
W98	Strike	251
T110	Fastener	254
114	Kick Plate	238
T115	Fastener	254
116	Kick Plate	238
118	Kick Plate	238
129	Pole	255
T139	Hook	252
149	Fastener	254
162	Bolt	251
199	Bolt	251
283	Screws	255
298	Bolt	251
0298	Bolt	251
298½	Bolt	251
BB308¼	Hinge	236
BB310¼	Hinge	236
BB312¼	Hinge	236
314	Kick Plate	238
316	Kick Plate	238
318	Kick Plate	238
412	Pivot	233
413	Pivot	233
414	Pivot	233
414	Kick Plate	238
416	Kick Plate	238
418	Kick Plate	238
S423	Pull	246
S423¼	Pull	246
S423½	Pull	246
474	Pull	245
474½	Pull	245
477	Pull	247
477¼	Pull	247
477½	Pull	247
478½	Pull	245
479	Pull	247
480	Pull	247
481	Pull	244
482	Pull	246
483	Pull	246
485	Pull	244
486	Pull	244
487	Pull	244
488	Pull	246
488L	Pull	246
489	Pull	246
489¼	Pull	246
489½	Pull	246
491	Pull	248
492	Pull	248
535	Catch	252
576	Pull	247
576¼	Pull	247
576½	Pull	247
615 Mod.	Push Plate	239
616 Enf.	Push Plate	239
616 Lnx.	Push Plate	239
616 Mod.	Push Plate	239
617 Andre	Push Plate	239
617 Enf.	Push Plate	239
617 Lnx.	Push Plate	239
617 Rock.	Push Plate	240
625 Mod.	Pull	241
626 Enf.	Pull	241
626 Lnx.	Pull	241
626 Mod.	Pull	241
626 Rock.	Pull	242
627 Andre	Pull	241
627 Enf.	Pull	241
627 Lnx.	Pull	241
627 Rock.	Pull	242
628 Rock.	Pull	242
629 Mod.	Pull	241
631 Mod.	Pull	244
636 Rome	Pull	245
637 Andre	Pull	244
637 Mod.	Pull	244
637 Rome	Pull	245
637 Ronde	Pull	244
637 Tower	Pull	244
771	Pull	248
772	Pull	248
773	Pull	248
774	Pull	248
775	Pull	247
0777	Pull	248
0779	Pull	248
0799	Pull	248
781	Pull	245
800	Adjuster	253
850	Bar	249
850L	Bar	249
850½	Bar	249
851	Bar	249
851L	Bar	249
852	Bar	249
853	Bar	249
854	Bar	249
855	Pull	245
856	Pull	245
900	Adjuster	253
1015	Push Plate	240
1016	Push Plate	240
1017	Push Plate	240
1019	Push Plate	240
1025	Pull	243
1026	Pull	243
1027	Pull	243
1028	Pull	243
1029	Pull	243
1076	Pull	243
1077	Pull	243
1114	Push Plate	240
1116	Push Plate	240
1118	Push Plate	240
1126 Mod.	Pull	242
1126 Tower	Pull	242
1128 Mod.	Pull	242
1128 Tower	Pull	242
1215	Push Plate	240
1216	Push Plate	240
1217	Push Plate	240
1219	Push Plate	240
1225	Pull	243
1226	Pull	243
1227	Pull	243
1228	Pull	243
1229	Pull	243
1276	Pull	243
1277	Pull	243
3066	Catch	255
3067	Catch	255
3068	Catch	255
3076	Grip	248
3474	Pull	245
3474½	Pull	245
3616 Enf.	Push Plate	239
3616 Lnx.	Push Plate	239
3617 Enf.	Push Plate	239
3617 Lnx.	Push Plate	239
3626 Enf.	Pull	241
3626 Lnx.	Pull	241
3627 Enf.	Pull	241
3627 Lnx.	Pull	241
6127 Enf.	Push/Pull	240
7031	Socket	255
7120	Screws	255
7284	Screws	255



Functional . . . Practical . . . Beautiful RUSSWIN Push and Pull Plates

To meet the demand that modern buildings require, Russwin offers a complete line of Push and Pull Plates consistent with their traditionally fine craftsmanship. Beautiful designs in a multitude of finishes including wrought brass, bronze, aluminum and stainless steel. Quality-made in a wide range of sizes to compliment the door it serves, each unit functions to make door opening and closing easier and quicker. For example: in busy hospitals, room doors can be opened and closed by fingertip, hand, wrist, forearm, or elbow — right or left. And, of course, Russwin Push and Pull Plates provide years of dependable, trouble-free service and satisfaction.

See pages 239-249

Heavy Duty RUSSWIN Adjustable Pivots Support Doors Up To 350 Pounds . . .

Russwin-designed for use on heavy weight wood or metal doors, surface lead-lined doors, oversize and high frequency doors. Doors can be easily corrected for sag or weight by vertical adjustment screw without removing door or pivots. Rugged, exclusive cast gun metal construction, engineered for lifetime wear, trouble-free service.

Features: Dual bearings — the out hung door weight rolls on needle bearings . . . down hung door weight glides on ball bearings; all bearings lifetime prelubricated; vertical adjustment feature insures precise distribution of weight; all screws in shear (rather than tension) position for maximum screw support in wood or metal.

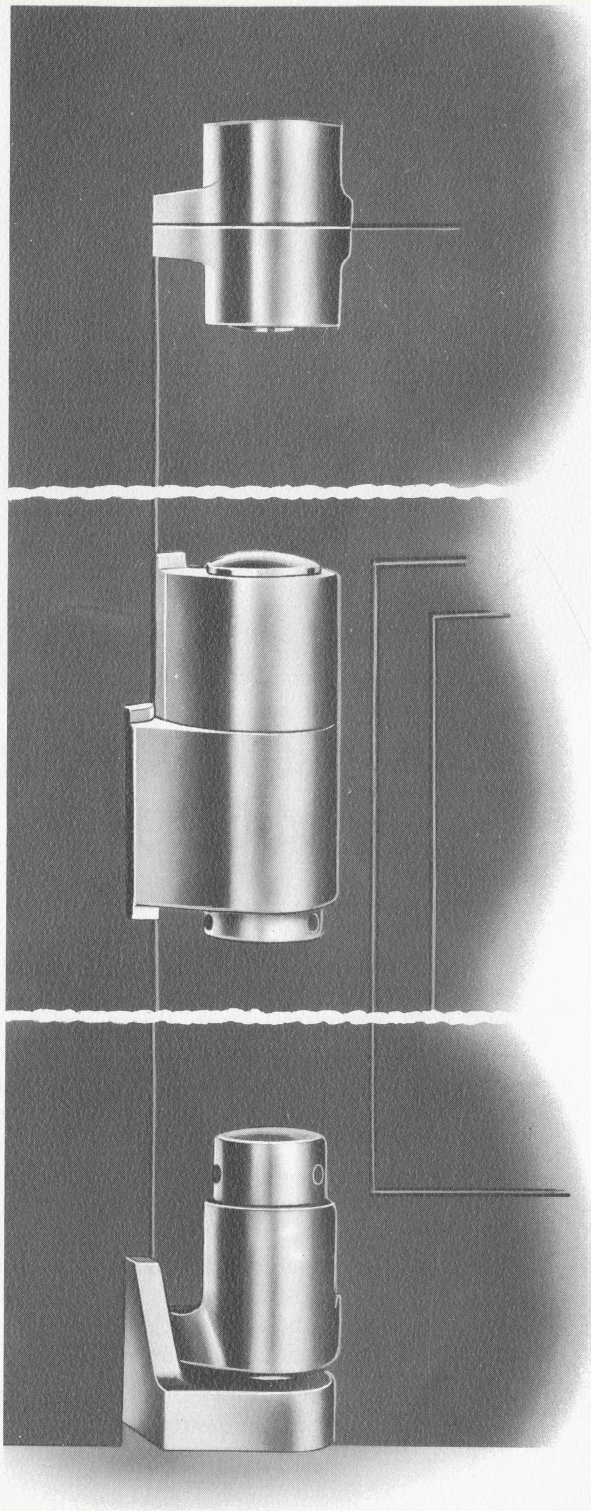
Russwin Pivots may be used in various combinations for varying requirements.

See pages 232-233

For Hospitals, Institutions, Office Buildings, Commercial Installations.

MISCELLANEOUS HARDWARE

Adjustable Ball Bearing Pivots

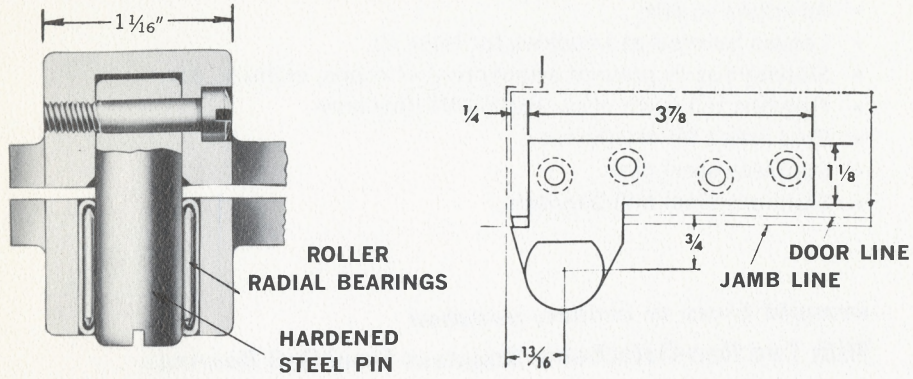


cast gun metal, polished

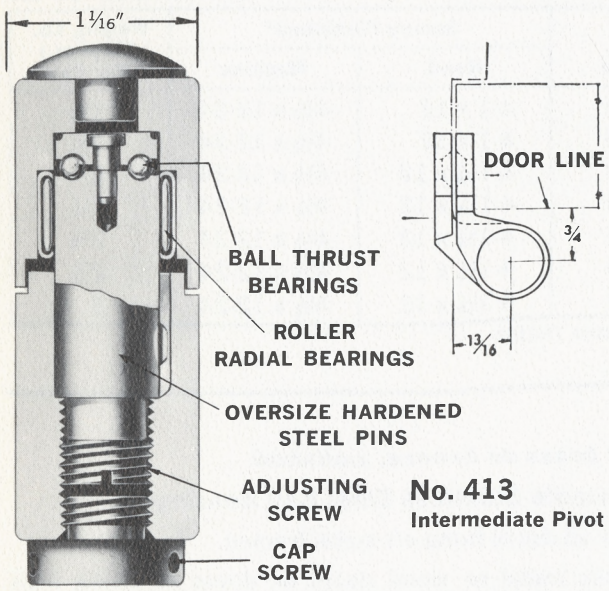
- Recommended for performance on high frequency operating doors to provide life-time wear and trouble-free service.
- Use on: a — Heavy doors of wood and metal.
  b — Doors of unusual height and width.
- Use when: a — Low maintenance and upkeep are factors.
  b — Heavy duty performance and long operating life are required.
- Leaves are made of cast gun metal for strength, toughness and endurance. Pivot pins are made of high grade manganese steel to guard against chipping and splitting.
- Roller radial bearings are used to carry the out-hung weight of the door on a rolling friction as opposed to a sliding friction.
- The down-hung weight rolls on high grade ball bearings made to within twenty five millionths (.000025) of an inch tolerance to assure an even distribution of load.
- All bearings are life-time lubricated and protected against dirt and moisture for long wear and a minimum of maintenance.
- An exclusive feature is the vertical adjustment. Doors can be raised or lowered ⅛ inch (1/16 up and 1/16 down) to take up sag and settlement or relieve binding by simple screw driver adjustment. This also assures an even distribution of door weight on bottom and center pivots for maximum wear and service.
- For security, the center pivot is available with a set screw in the barrel to guard against tampering when doors are locked.
- Attaching screws for top pivot and door leaf of bottom pivot are in "shear" position rather than "tension" for maximum screw support in wood or metal.
- In appearance all 3 pivots have only 7½ inches of metal exposed as opposed to 16½ inches on 3 hinges 5″ x 5″.
- Service recommendations:
  a — Three pivots on doors not over 3′ 0″ wide, up to 350 lbs. in weight.
  b — For each 6″ in width over 3′ 0″, up to 350 lbs. in weight — add one pivot 413 (center).
  c — For doors over 350 lbs., contact factory for specifications.
- The weight of the door automatically locks the adjusting screw of the bottom pivot hinge so that the swinging of the door cannot change the adjustment.
- RUSSWIN pivot hinges may be used in various combinations to hang the door to suit different requirements.

When these hinges are used in conjunction with an overhead door holder, No. 412 pivot hinge must be used at top of door.

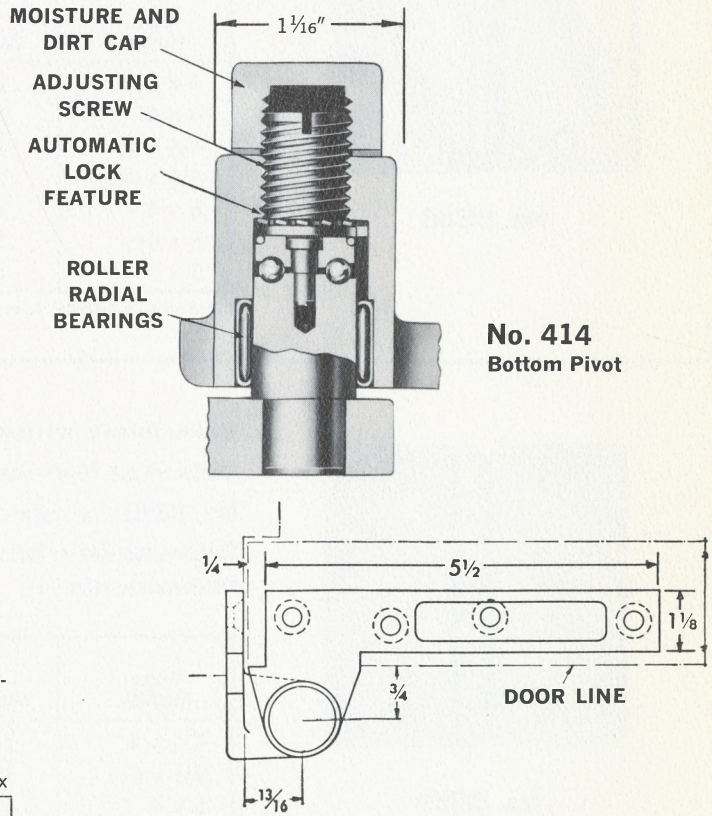
Construction Features And Offset Dimensions



No. 412
Top Pivot



No. 413
Intermediate Pivot



No. 414
Bottom Pivot

All pivots are made to template. Specify wood or machine screws.

packed: 1 per box

Number	Type	Bearings	Weight, Lb. (Approx.) Each
412	Top	Roller	1¼
413	Intermediate	Roller and ball	1¾
414	Bottom	Roller and ball	2¼

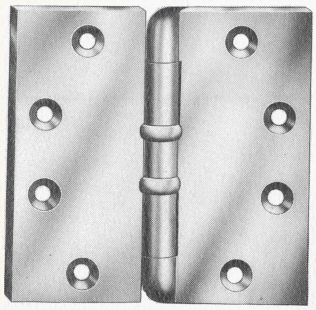
SPECIFY NUMBER, HAND AND FINISH

MISCELLANEOUS HARDWARE

Hinges

Hospital Fast-Pin Hinges

- All edges square.
- Leaves beveled at knuckles for close fit.
- Sloping tips to prevent attachment of ropes, clothing, etc.
- Finished to match other RUSSWIN doorware.
- Cold rolled for toughness.
- Stainless steel pins.
- Stainless steel ball bearings.



No. BB88

wrought brass or bronze, polished

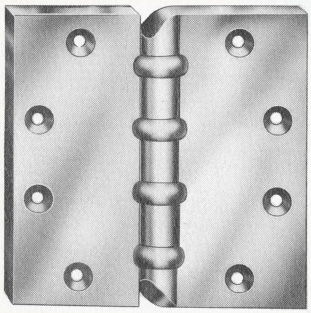
With Two Non-Detachable Stainless Steel Ball Bearings

No. BB88: Template for all doors hung on metal frames. Recommended for medium weight metal or wood doors receiving average service.

packed: 1½ pair per box

Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
4 x 3½	.130	4-1 x 12	4½ x 12-24	1⅜
4 x 4	.130	4-1 x 12	4½ x 12-24	1⅝
4½ x 4	.138	4-1¼ x 12	4½ x 12-24	2
4½ x 4½	.138	4-1¼ x 12	4½ x 12-24	2¼
5 x 4	.146	4-1¼ x 12	4½ x 12-24	2⅜
5 x 4½	.146	4-1¼ x 12	4½ x 12-24	2⅝
5 x 5	.146	4-1¼ x 12	4½ x 12-24	3

Conforms to Federal Specification TH2102.



No. BB89

extra heavy wrought brass or bronze, polished

With Four Non-Detahcable Stainless Steel Ball Bearings

No. BB89: Template for all doors hung on metal frames.

Recommended for heavy metal or wood doors or doors receiving high frequency service.

packed: 1½ pair per box

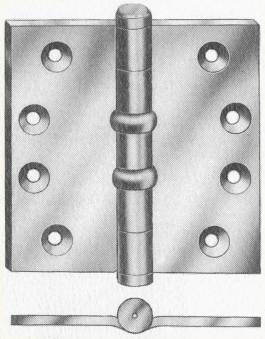
Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
4½ x 4	.180	4-1¼ x 12	4-½ x 12-24	2⅜
4½ x 4½	.180	4-1¼ x 12	4-½ x 12-24	2⅝
5 x 4	.190	4-1¼ x 12	4-½ x 12-24	2⅞
5 x 4½	.190	4-1¼ x 12	4-½ x 12-24	3¼
5 x 5	.190	4-1¼ x 12	4-½ x 12-24	3⅝

*Can be furnished with all machine screws. To order, suffix "all TMS" to number, i.e., BB88-4 x 3½ all TMS, etc.
Can be furnished with all wood screws. To order, suffix "AWS" to number, i.e., BB88AWS-4 x 3½, etc.

SPECIFY NUMBER, SIZE AND FINISH

Loose Pin Hinges

- All edges square.
- Leaves beveled at knuckles for close fit.
- Button tipped; five knuckles.
- Cold rolled for toughness.
- Non-rising stainless steel pins.
- Stainless steel ball bearings.



Nos. BB85¼, BB95¼

heavy wrought brass or bronze, polished

Recommended for medium-weight hollow metal doors or wood doors receiving average service and for closer-equipped doors.

No. BB85¼: Template for all doors hung on metal frames.
Stainless steel pins polished, two self-retaining, non-detachable stainless steel ball bearings.

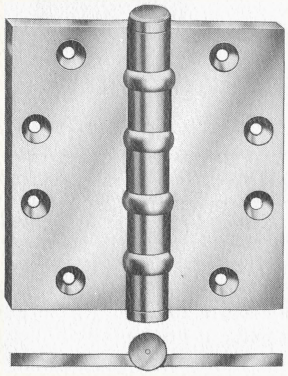
No. BB95¼: Template for all doors hung on metal frames.
Stainless steel pin, knuckles polished and buffed, leaves buffed only.

packed: 1½ pair per box

Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
3½ x 3½	.123	3-1¼ x 10	3-½ x 10-24	1 3/16
4 x 3½	.130	4-1¼ x 12	4-½ x 12-24	1⅜
4 x 4	.130	4-1¼ x 12	4-½ x 12-24	1⅝
4½ x 4	.138	4-1¼ x 12	4-½ x 12-24	1¾
4½ x 4½	.138	4-1¼ x 12	4-½ x 12-24	2¼
5 x 4	.146	4-1¼ x 12	4-½ x 12-24	2 11/16
5 x 4½	.146	4-1¼ x 12	4-½ x 12-24	2⅞
5 x 5	.146	4-1¼ x 12	4-½ x 12-24	3 1/16
6 x 6	.160	5-1½ x 14	5-½ x ¼-20	4 15/16

Size 4 x 4 and larger available with pin that cannot be removed when door is closed. To order, suffix A to number, i.e., BB85¼A-4 x 4, etc.

No. BB85¼ Conforms to Federal Specification T2102.



No. BB81¼

extra heavy wrought brass or bronze, polished

Recommended for heavy or wide wood doors and doors receiving high-frequency service.

No. BB81¼: Template for all doors hung on metal frames.
Stainless steel pins, polished, four self-retaining non-detachable stainless steel ball bearings.

packed: 1½ pair per box

Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
4½ x 4	.180	4-1¼ x 12	4-½ x 12-24	2½
4½ x 4½	.190	4-1¼ x 12	4-½ x 12-24	2¾
5 x 4	.190	4-1¼ x 12	4-½ x 12-24	3
5 x 4½	.190	4-1¼ x 12	4-½ x 12-24	3⅜
5 x 5	.203	4-1¼ x 12	4-½ x 12-24	3¾
6 x 5	.203	5-1½ x 14	5-½ x ¼-20	5½
6 x 6	.203	5-1½ x 14	5-½ x ¼-20	6 7/16

All sizes can be furnished with pin that cannot be removed when door is closed.

Conforms to Federal Specification T2112.

*Can be furnished with all machine screws. To order, suffix "all TMS" to number, i.e., BB85¼-3½ x 3½ all TMS, etc.
Can be furnished with all wood screws. To order, suffix "AWS" to number, i.e., BB85¼AWS-3½ x 3½, etc.

MISCELLANEOUS HARDWARE

Hinges

Loose Pin Hinges

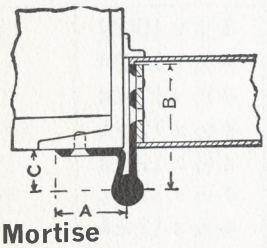
For medium weight doors receiving average service.

- Cold rolled for toughness.
- Non-rising stainless steel pins.
- Two self-retaining, non-detachable stainless steel ball bearings.
- All edges square.
- Leaves beveled at knuckles for close fit.
- Button tipped; five knuckles.

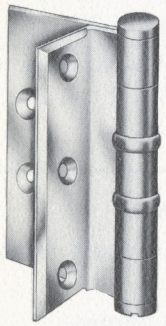
Can be furnished with pin that cannot be removed when door is closed. To order, suffix A to number, i.e., BB308¼A-4½, etc.

BB308¼ Conforms to Federal Specification T2142.
BB310¼ Conforms to Federal Specificatiion T2156.
BB312¼ Conforms to Federal Specification T2132.

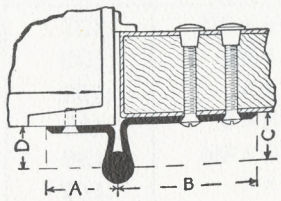
heavy wrought brass or bronze, polished



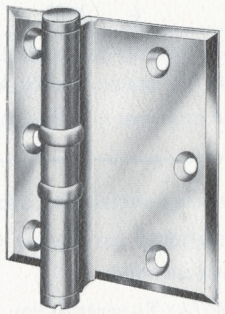
Half Mortise



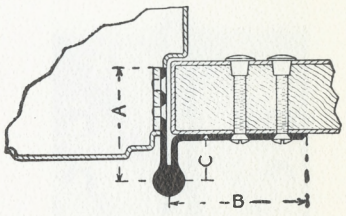
No. BB308¼



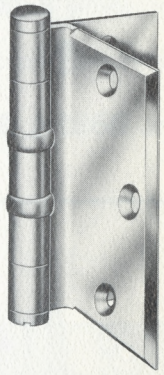
Full Surface



No. BB310¼



Half Surface



No. BB312¼

packed: 1½ pair per box

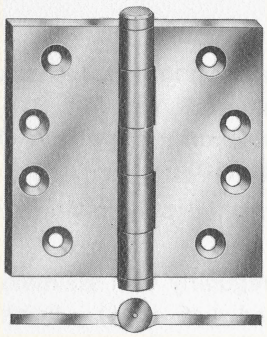
Number	Size, Inches	Metal Gauge	Dimensions, Inches A	B	C	D	Screws Furnished For: Jamb Leaf	Door Leaf	Weight, Lb. (Approx.) Per Pair
Template for hollow metal doors and channel iron frames, half mortise									
BB308¼	4½	.138	1½	2¼	13/16	....	3-OH½ x 12-24	4-FH½ x 12-24	2½
	5	.146	1½	2½	⅞	....	4-OH½ x 12-24	4-FH½ x 12-24	2⅝
Template for kalamein doors and channel iron frames, full surface									
BB310¼	4½	.138	1½	2 9/16	15/16	13/16	3-OH½ x 12-24	3-OH2 x ¼-20	2⅞
	5	.146	1½	2⅞	1	⅞	4-OH½ x 12-24	4-OH2 x ¼-20	3⅝
Template for kalamein doors and pressed steel frames, half surface									
BB312¼	4	.130	2	2¼	11/16	....	4-FH½ x 12-24	3-OH2 x ¼-20	2 3/16
	4½	.138	2¼	2 9/16	¾	....	4-FH½ x 12-24	3-OH2 x ¼-20	2⅞
	5	.146	2½	2⅞	1	....	4-FH½ x 12-24	4-OH2 x ¼-20	3¾

SPECIFY NUMBER, SIZE AND FINISH

RUSSWIN

Loose Pin Hinges

- Heavy wrought brass or bronze polished.
- Cold rolled for toughness.
- Non-rising stainless steel pins.
- Stainless steel ball bearings and bushings.
- All edges square.
- Leaves beveled at knuckles for close fit.
- Button tipped; five knuckles.



Nos. 85¼, 86¼, 95¼

heavy wrought brass or bronze

For Residential And Other Medium Weight Doors

No. 85¼: Template for all doors hung on metal frames.
Pins stainless steel, polished, knuckles stainless steel bushed.

No. 95¼: Template for all doors hung on metal frames.
Pins stainless steel, knuckles polished and buffed, leaves buffed only, NOT BUSHED (can be furnished bushed when so ordered, i.e., 90¼-3 x 3 ss bushings)

packed: 1½ pair per box

Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
3 x 3	.115	3-¾ x 10	3-½ x 10-24	15/16
3½ x 3½	.123	3-1 x 10	3-½ x 10-24	1¼
4 x 3½	.130	4-1 x 12	4-½ x 12-24	1½
4 x 4	.130	4-1 x 12	4-½ x 12-24	1¾
4½ x 4	.138	4-1¼ x 12	4-½ x 12-24	2
4½ x 4½	.138	4-1¼ x 12	4-½ x 12-24	2 5/16
5 x 4	.146	4-1¼ x 12	4-½ x 12-24	2⅝
5 x 4½	.146	4-1¼ x 12	4-½ x 12-24	2⅞
5 x 5	.146	4-1¼ x 12	4-½ x 12-24	3⅛
6 x 6	.160	5-1½ x 14	5-½ x ¼-20	5 1/16

Size 4 x 4 and larger can be furnished with pin that cannot be removed when door is closed. To order, suffix A to number, i.e., 85¼A, 4 x 4, etc.

85¼ Conforms to Federal Specification T2122.

No. 86¼: Template for all doors hung on metal frames.
Pins stainless steel, primed for painting, beveled to allow paint clearance at knuckles.

packed: 1½ pair per box

Size, Inches	Gauge	Screws Furnished*		Weight, Lb. (Approx.) Per Pair
		Wood	Machine	
3 x 3	.115	3-¾ x 10	3-½ x 10-24	⅞
3½ x 3½	.123	3-1 x 10	3-½ x 10-24	1¼
4 x 4	.130	4-1 x 12	4-½ x 12-24	1 13/16
4½ x 4½	.138	4-1¼ x 12	4-½ x 12-24	2 5/16
5 x 4½	.146	4-1¼ x 12	4-½ x 12-24	2⅝
5 x 5	.146	4-1¼ x 12	4-½ x 12-24	3

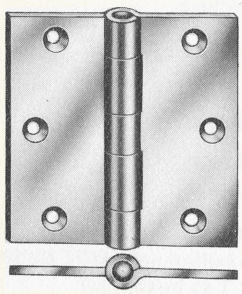
*Can be furnished with all machine screws. To order, suffix "all TMS" to number, i.e., 85¼-3 x 3 all TMS, etc.
Can be furnished with all wood screws. To order, suffix "AWS" to number, i.e., 85¼ AWS-3 x 3, etc.

SPECIFY NUMBER, SIZE AND FINISH

MISCELLANEOUS HARDWARE

Hinges

Conforms to Federal Specification T2170.



No. 76

Fast Pin Hinges

heavy wrought brass or bronze, polished

Five Knuckles, Fast Brass Pin

No. 76: Template for transoms hung on metal frames.

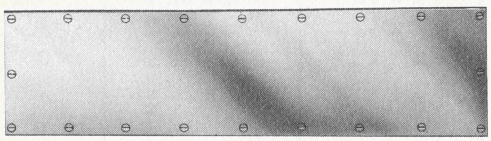
packed: 1 pair per box

Size, Inches	Gauge	Screws Furnished*	Weight, Lb. (Approx.) Per Pair
3 x 3	.115	6-½ x 10-24	1
3½ x 3½	.123	6-½ x 10-24	1½
4 x 4	.130	8-½ x 10-24	1¾

*Can be furnished with all wood screws. To order, suffix "AWS" to number, ie., 76AWS-3 x 3, etc.

SPECIFY NUMBER, SIZE AND FINISH

Kick, Armor and Stretcher Plates



Number	(B & S) Gauge	Material
114	14 (.064)	Wrought brass, bronze or aluminum
116	16 (.051)	Wrought brass, bronze or aluminum
118	16 (.051)	Wrought stainless steel

Not beveled regularly. If bevel on three sides is desired change first digit of number to 3, i.e., 314, 316, 318. If bevel on four sides is desired change first digit of number to 4, i.e., 414, 416, 418.

Aluminum kick plates furnished only in finish US28, satin aluminum anodized.

All kick plates furnished regularly with stainless steel screws — threaded to head (#6 x ⅝) — finished to match finish of kick plate. Can be furnished, when so ordered, with machine screws (#6-32 x ⅜).

Conforms to Federal Specification:

Gov't Type	RUSSWIN No.
1224	14 ga. kick plate
1225	Stainless steel kick plate
1226	alum. (annodic film) kick plate
1226A	alum. (bright fin.) kick plate

SPECIFY NUMBER, WIDTH (Stock Widths: 8, 10, 12 Inches), LENGTH (Stock Lengths: 28, 30, 32, 34 Inches) AND FINISH

Plastic Kick Plates and Push Plates

Conforms to Federal Specification:

Gov't Type	RUSSWIN No.
1227	412
468	2016 and 2017

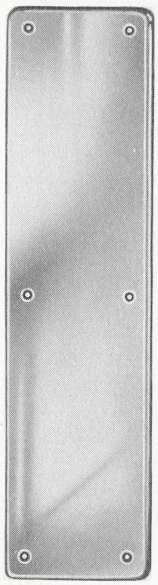
Number	Item	Size, Inches
2016	Push Plate	15 x 3½
2017	Push Plate	16 x 4
412	Kick Plate	As Specified*

*Available in stock heights of 6, 8, 10 and 12 in.; lengths of 24 to 48 in. in 2" increments, i.e., 24, 26, etc. Other sizes available.

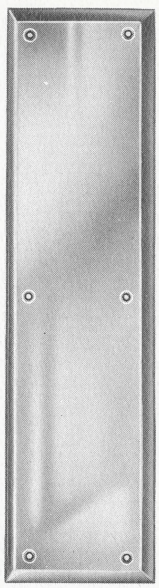
Made from a plastic material, extremely hard and resistant to chipping under normal service. ⅛ in. thick. Available in black, brown and gray. Furnished with stainless steel oval head Phillips self-tapping screws — ½ x 6.

Kick plates have screw holes spaced approx. 6 inches on center.

Push Plates, (Cont'd)



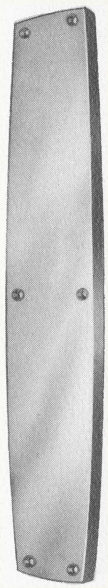
Nos. 616, 617
3616, 3617
Enfield



Nos. 616, 617,
3616, 3617
Lenox



Nos. 615, 616
Modera



No. 617
Andre

Push plates can be furnished with cutout for cylinder or with turn piece. When required cut for cylinder suffix "CFC" to number and indicate lock which will be used, i.e., 1015 Enf.-CFC-1007½. When required with turn piece suffix "x TP" to number and indicate lock which will be used, i.e., 1015 Enf. x TP-1007. When required "cut for master ring cylinder," prefix MR to number.

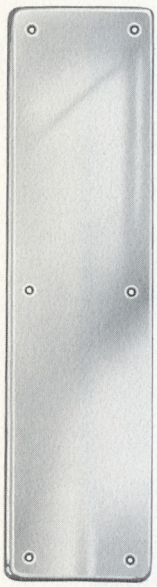
Number	Design	Size, Inches	Material	Packed Per Box	Wgt., Lb. Each (Brass, Approx.)
616* 617*	Enfield Enfield	14 x 3½ 16 x 4	Cast brass, bronze or aluminum	4	2⅛ 2¾
616* 617*	Lenox Lenox	14 x 3½ 16 x 4	Cast brass, bronze or aluminum	4	1⅝ 2¼
615 616*	Modera Modera	15 x 2⅝ 15 x 3	Cast brass, bronze; cold rolled stainless steel or extruded aluminum	4	1⅝
3616 3617 3616 3617	Enfield Enfield Lenox Lenox	14 x 3½ 16 x 4 14 x 3½ 16 x 4	Cast stainless steel, satin finish	4	3 3¾ 3 3¾
617	Andre	16 x 2⅝	Cast brass, bronze or aluminum; cold rolled stainless steel (.250 thick)	4	3¾

*Can be furnished with lugs on back of plate for machine screws to bolt through door; prefix L to number, i.e., L616 Enf. (Cannot be furnished when aluminum or stainless steel is specified.)

616 Lenox Conforms to Federal Specification 460.
616 Modera Conforms to Federal Specification 460M.

MISCELLANEOUS HARDWARE

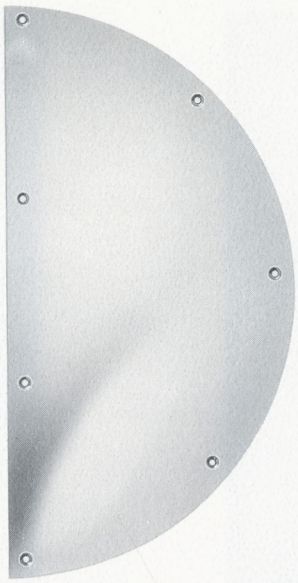
Push Plates And Door Pulls



No. 617
Rockford



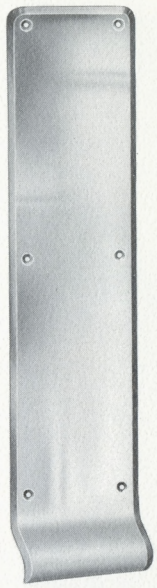
Nos. 1015-1019



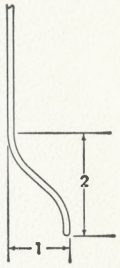
Nos. 1114-1118



Nos. 1215-1219



No. 6127
Enfield



Number	Design	Size, Inches	Material	Packed Per Box	Wgt., Lb. Each (Brass, Approx.)
617	Rockford	14 x 3½	Cold forged brass, bronze or stainless steel, .050 in. thick	4	9/16
1015†	....	12 x 3	Wrought brass, bronze, aluminum or stainless steel, .051 in. thick		9/16
1016†	....	15 x 3½			⅞
1017†	....	16 x 4			1
1019†	....	20 x 4			1½
1114*	....	9 x 4½		6	¾
1116*	....	12 x 6			⅞
1118*	....	16 x 8			1¼
1215††	....	12 x 3			9/16
1216††	....	15 x 3½			⅞
1217††	....	16 x 4			1
1219††	....	20 x 4			1½
6127*	Enfield	16 x 3½	Extruded brass, bronze or aluminum, .125 in. thick	2	3

*If desired cut for cylinder, specify exact location of cutout.

†For sizes other than listed specify 1000 and size required, i.e., 1000-12 x 6 and exact location of cylinder cutout or turn piece.

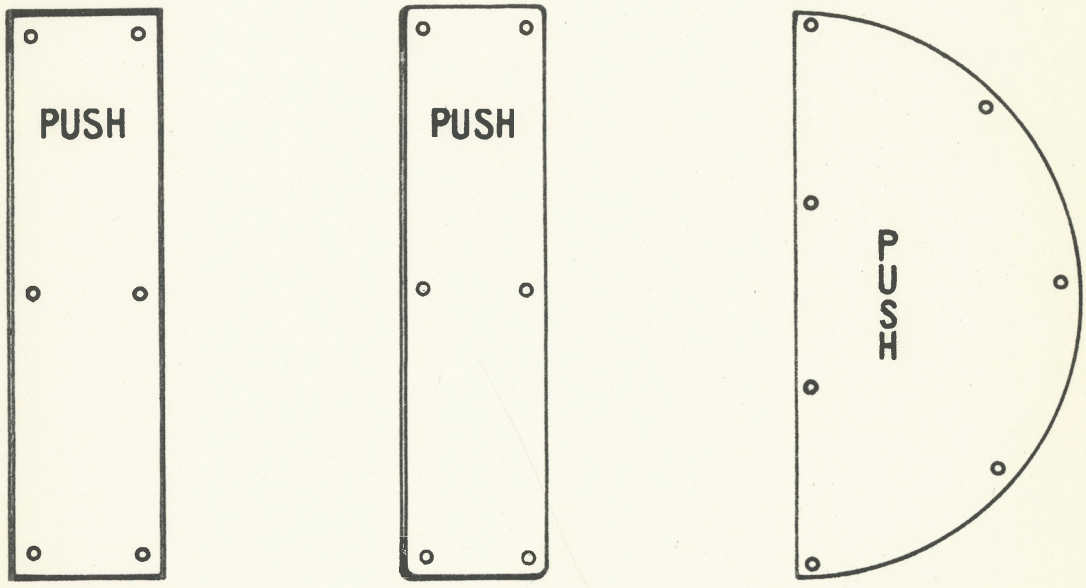
††For sizes other than listed specify 1200 and size required, i.e., 1200-12 x 6 and exact location of cylinder cutout or turn piece.

1016-15 x 3½ Conforms to Federal Specification 465-465R.
6127 Conforms to Federal Specification 457.
6127 (Aluminum) Conforms to Federal Specification 457A.

SPECIFY NUMBER, DESIGN AND FINISH

TEMPORARY CATALOG PAGE 240A

PUSH PLATES



As illustrated above, Push Plates are available with wording PUSH engraved on surface, except when Plates are required "cut for cylinder or turn piece".

Letters are approx. 5/8 in. high and colored Black.

Suffix EPH to Plate number when ordering, i.e., 1015EPH, etc.

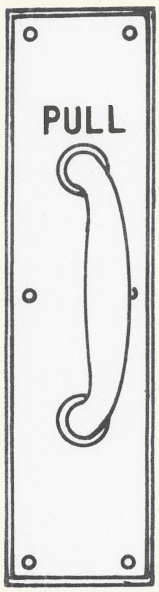
Plates 1116 and 1118 are available with Vertical lettering only and Hand must be specified.

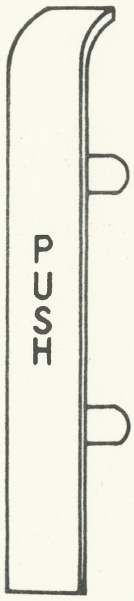
All other Plates are available with Horizontal lettering only.

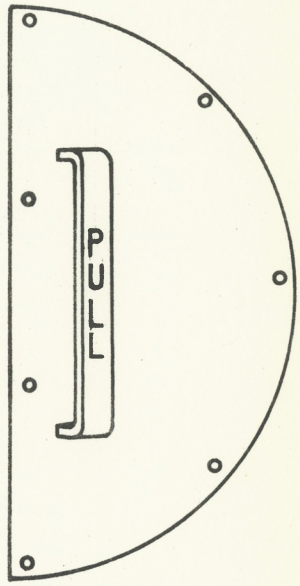
11/68

TEMPORARY CATALOG PAGE 240B

DOOR PULLS & GRIPS







As illustrated above, certain Door Pulls and Grips are available with Lettering PUSH or PULL engraved on surface, except when Pulls are required "cut for cylinder or turn piece".

Letters are approx. 5/8 in. high and colored Black.

Suffix EPL when wording PULL is required i.e., 1025EPL or EPH when wording PUSH is required, i.e., 855EPH, etc.

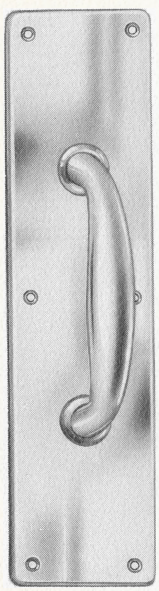
Pulls available with Vertical lettering only are as follows:

S423*	637 Modera	851L	~~1128 Tower~~
482*	771	855	1126 Modera
485	773	856	1128 Modera
631	851	~~1126 Tower~~	

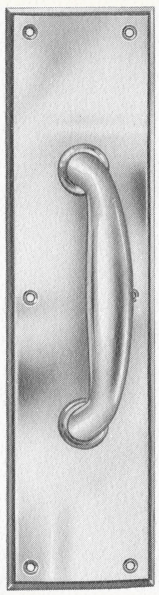
Pulls available with Horizontal lettering only are as follows:

625 Modera	626 Rockford	1025	1076	1228
626 Modera	627 Rockford	1026	1077	1229
629 Modera	628 Rockford	1027	1225	1276
626 Enfield	627 Andre	1028	1226	1277
627 Enfield	6127 Enfield	1029	1227	

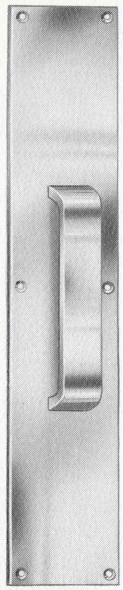
* Specify Hand when ordering.



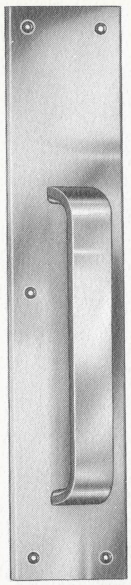
Nos. 626, 627, 3626, 3627 Enfield



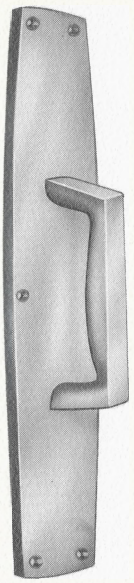
Nos. 626, 627, 3626, 3627 Lenox



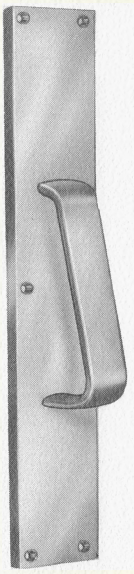
No. 626 Modera



No. 629 Modera



No. 627 Andre



No. 625 Modera

Door pulls can be furnished with cutout for cylinder or with turn piece. When required cut for cylinder suffix "CFC" to number and indicate lock which will be used, i.e., 626 Modera-CFC-1007½. When required with turn piece suffix "x TP" to number and indicate lock which will be used, i.e., 626 Modera x TP-1007.

When required "cut for Master Ring cylinder; prefix MR to number.

packed: 2 per box

Number	Design	Size, In.	Proj. In.	Grip No.	Grip Cen. To Cen., In.	Material	Wgt., Lb. Each (Brass, Approx.)
626*	Enfield	14 x 3½	2⅜	078	5¼	Cast brass, bronze or aluminum	3⅛
627*	Enfield	16 x 4					3¾
626*	Lenox	14 x 3½					2⅝
627*	Lenox	16 x 4					3¼
3626	Enfield	14 x 3½	1⅞	3076	5⅛	Cast stainless steel, satin finish	3⅞
3627	Enfield	16 x 4	1⅞				4½
3626	Lenox	14 x 3½	2⅜				3⅝
3627	Lenox	16 x 4	2⅜				4½
626**	Modera	15 x 3	1⅞	771	5⅜	Cast brass or bronze, cold rolled stainless steel or extruded aluminum	3
629**	Modera†	15 x 3	1⅞	773	8		3½
625	Modera	15 x 2⅝	2⁹⁄₁₆	075⅜	5⅜	Cast brass, bronze or aluminum; cold rolled stainless steel (.250 thick)	3½
627	Andre	16 x 2⅝	2½	795⅜	5⅜		3½

*Can be furnished with lugs on back of plate for machine screws to bolt through door; prefix L to number, i.e., L626ENF. Cannot be furnished when aluminum or stainless steel is specified.

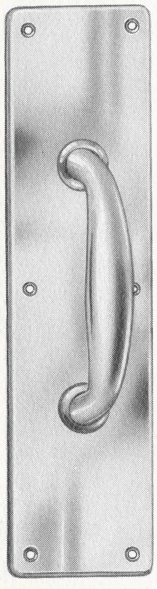
**May be furnished in BRASS AND BRONZE ONLY with lugs on back plate for machine screws to bolt through door; prefix L to number, i.e., L626 Modera. All others can be furnished with sex nuts and bolts.

†Distance from bottom of plate to center of grip, 6⅛ in.

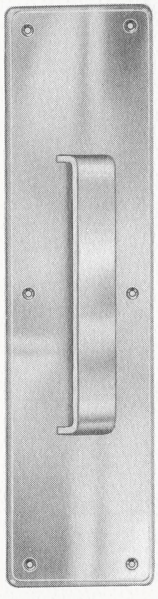
626 Lenox Conforms to Federal Specification 450.
626 Modera Conforms to Federal Specification 450M.

MISCELLANEOUS HARDWARE

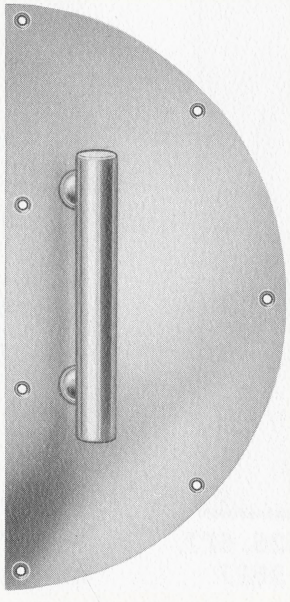
Door Pulls



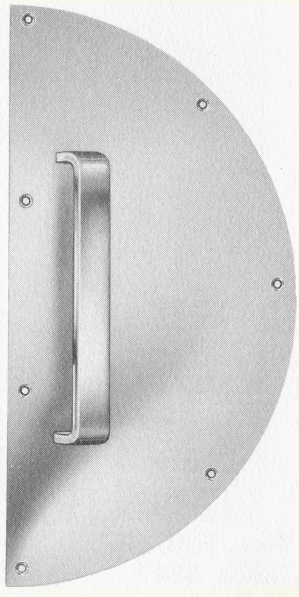
No. 627
Rockford



No. 628
Rockford
Type Of 626 Rockford



No. 1128
Tower
Type Of 1126 Tower



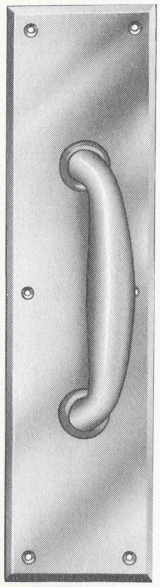
No. 1128
Modera
Type Of 1126 Modera

See page 241 for information on pulls "cut for cylinder."

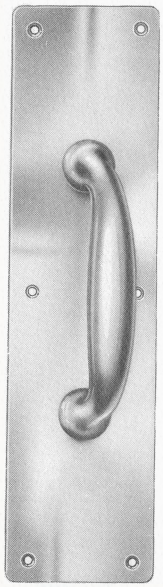
Number	Design	Size, In.	Proj. In.	Grip		Material	Packed Per Box	Wgt., Lb., Each (Brass, Approx.)
				No.	Cen. To Cen., In.			
1126* 1128*	Tower Tower	12 x 6 16 x 8	2 1/16	775	5 1/2	Brass, bronze, aluminum or stainless steel (back plate stainless steel; bronze grip, chrome plated) — wrought plate, cast grip	1	3 3/4 4 1/2
627 628 626	Rockford Rockford Rockford	14 x 3 1/2 14 x 3 1/2 14 x 3 1/2	2 1/8 1 7/8 1 7/8	078 773 771	5 1/4 8 5 3/8	Brass, bronze, aluminum or stainless steel — cold forged (.050 thick) plate, extruded grip	2	1 3/16 1 7/8 1 1/4
1126* 1128*	Modera Modera	12 x 6 16 x 8	1 7/8 1 7/8	771 773	5 3/8 8	Brass, bronze, aluminum or stainless steel — wrought plate, extruded grip	2	1 5/8 2 5/8

*Distance from edge of plate to center of grip, 2 inches. When 1128 is required "cut for cylinder", cutout will be 2 in. from top and 2 in. in from edge of plate. When 1126 is required "cut for cylinder", forward detail dimensional information of cylinder location.

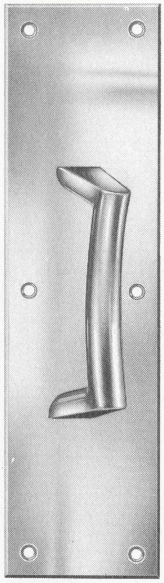
Door Pulls



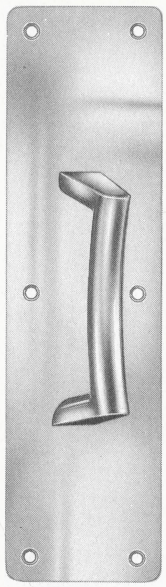
Nos. 1025-1027



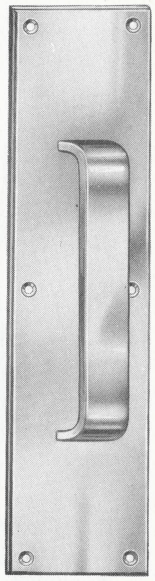
Nos. 1225-1227



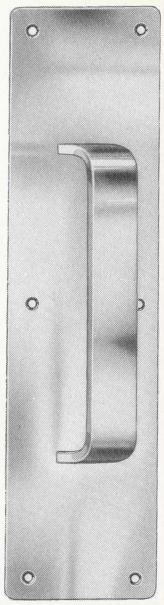
Nos. 1076, 1077



Nos. 1276, 1277



Nos. 1028, 1029



Nos. 1228, 1229

packed: 2 per box

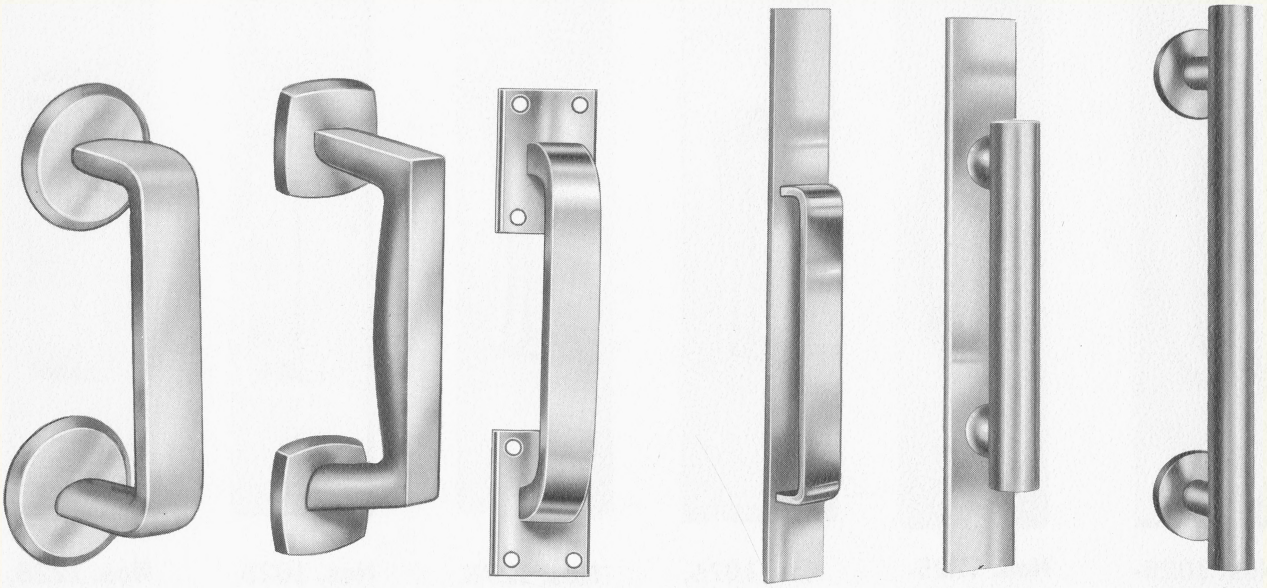
Number	Size, In.	Proj. In.	Grip		Material	Wgt., Lb., Each (Brass, Approx.)
			No.	Cen. To Cen., In.		
1025 1026 1027 1225 1226 1227	12 x 3 15 x 3½ 16 x 4 12 x 3 15 x 3½ 16 x 4	2⅛	078	5¼	Brass, bronze, aluminum or stainless steel (wrought plate; cast grip)	1¾ 2 1/16 2¼ 1¾ 2 1/16 2¼
1076 1077 1276 1277	15 x 3½ 16 x 4 15 x 3½ 16 x 4	2½	576	5⅜	Brass, bronze or aluminum (wrought plate, cast grip)	2 1/16 2¼ 2 1/16 2¼
1028 1029 1228 1229	15 x 3½ 16 x 4 15 x 3½ 16 x 4	1⅞	773	8	Brass, bronze, aluminum or stainless steel — wrought plate, extruded grip	2¼ 2½ 2¼ 2½

1025 Conforms to Federal Specification 451.
1026 Conforms to Federal Specification 455.

SPECIFY NUMBER, DESIGN AND FINISH

MISCELLANEOUS HARDWARE

Door Pulls



No. 637 Ronde

No. 637 Andre

No. 486 Type Of 485, 487

No. 637 Modera Type Of 631

No. 637 Tower

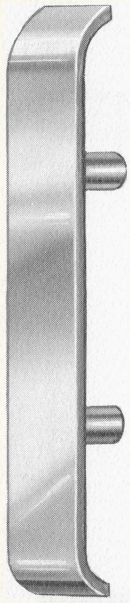
No. 481

packed: 2 per box

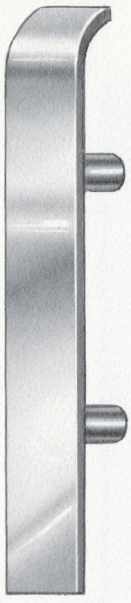
Number	Size, Overall, In.	Proj., In.	Grip		Material	Wgt., Lbs., Each (Brass, Approx.)
			Number	Cen. To Cen., In.		
637 Ronde 637 Andre	8 x 2½ 8 x 2	2 5/16 2½	075 3/8 795 3/8	5⅜ 5⅜	Cast brass, bronze, aluminum or stainless steel	1⅝ 1⅝
637 Modera 637 Tower	11¼ x 1½ 11½ x 1½	1⅞ 2¼	773 775	8 5½	Extruded brass, bronze or aluminum	3¼ 3¾
631	8 x 1¾	1¾	771	5⅜	Brass, bronze, aluminum or stainless steel (extruded grip, wrought plate)	1½
481	12 x 2	2⅜	1 in. diam.	9¼	Grip and supports: extruded brass, bronze or aluminum. bases: cast metals as above	3½
485 486	7¾ x 1 9/16 7½ x 1 9/16	1 15/16 1 15/16	771 774	5⅜ 5¼	Extruded brass, bronze or aluminum	1⅝ 1¾
486½	Same as 486 except thru bolt application, no surface screws					
487	10¼ x 1 9/16	1⅞	773	8	Extruded brass, bronze or aluminum	2¼

SPECIFY NUMBER, DESIGN AND FINISH

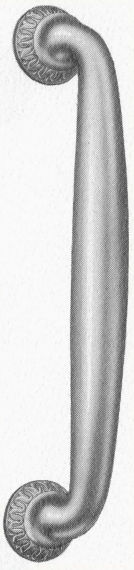
Door Pulls



Nos. 855, 855½



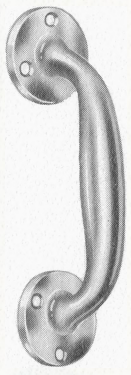
Nos. 856, 856½



Nos. 636, 637 Rome



No. 781



Nos. 474, 3474



Nos. 474½, 478½, 3474½

These pulls are furnished with machine screws to fasten through door into lugs on back of grip, unless otherwise noted.

Number	Length Overall, In.	Base, In.	Proj. In.	Grip		Material	Packed Per Box	Wgt., Lb., Each (Brass, Approx.)
				No.	Cen. To Cen., In.			
636 Rome	7⅞	1⅝	2½	076¼	6½	Cast brass or bronze	2	1⅝
637 Rome	11⅛	1⅝	2⅝	076¾	9½		2	2⅛
474*	7½	2	2⅜	....	5 9/16	Cast brass, bronze or aluminum	6	1¼
474½	7½	2	2⅜	....	5 9/16		6	1¼
478½	10	2⅛	2½	....	7¾		6	1 11/16
3474*	7⅛	2	1⅞	....	5⅛	Cast stainless steel, satin finish	6	1⅜
3474½	7⅛	2	1⅞	....	5⅛		6	1⅜
781	8½	....	2⅜	....	6¾	Cast brass or bronze	2	1½
855	14½	¾ diam.	1⅞	....	8	Extruded brass, bronze or aluminum	1	2¼
856			1½	....				
855½	Same as 855 except 2 pulls, bolted back to back.							
856½	Same as 856 except 2 pulls, bolted back to back.							

*Surface screw application.

MISCELLANEOUS HARDWARE

Door Pulls
Offset Type



No. 488L
Type Of 488

Nos. 489, 489¼, 489½

Nos. S423 S423¼, S423½

No. 482

No. 483*

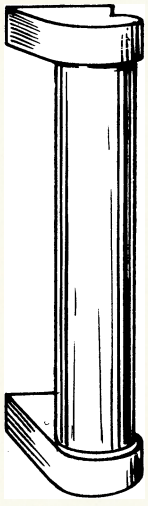
These pulls are furnished with machine screws to fasten through door into lugs on back of grip, unless otherwise noted.

Number	Size Overall, In.	Cen. To Cen. In.	Proj. In.	Material	Packed Per Box	Wgt., Lb., Each (Brass, Approx.)
488L	8 x 3½	6½	1½	Cast brass, bronze or aluminum	1	..
488	Same as 488L except surface screw application.					
489	10½† x 3⅛	10	2¼	Cast brass, bronze or aluminum	1	..
489¼	Same as 489 except surface application.					
489½	Same as 489 except 2 pulls, bolted back to back.					
S423	8½ x 1	8	1 7/16	Cast brass, bronze or aluminum	2	..
S423¼	Same as S423 except surface application.					
S423½	Same as S423 except 2 pulls, bolted back to back.					
482**	12 x 1½	10½	1⅝	Cast brass, bronze or aluminum	2	3¾
483*	15⅞ x 1½	13½	3¼	Grip: (1 in. diam.) extruded brass, bronze or aluminum. brackets: cast brass, bronze or aluminum	2	4¼

*Center to center size listed is standard, special lengths to order.
**Can be furnished with word "Push" or "Pull" when so ordered. Specify hand.
†Special lengths to order.

SPECIFY NUMBER, DESIGN AND FINISH

TEMPORARY CATALOG PAGE 246A



Number	Application	Center to Center
721	Single pull, through bolted	5-3/8"
721-12	Pair, bolted back-to-back	5-3/8"
721-14	Single pull, surface mounted	5-3/8"
722	Single pull, through bolted	8"
722-12	Pair, bolted back-to-back	8"
722-14	Single pull, surface mounted	8"

Note: Also available with c. to c. greater than 8". Specify 722 (or 722-12, 722-14) and c. to c. required, i.e., 722 x 12" c. to c., etc.

Material: Brass, bronze, aluminum and stainless steel (Brackets are cast, Grip is Wrought or Extruded seamless tubing)

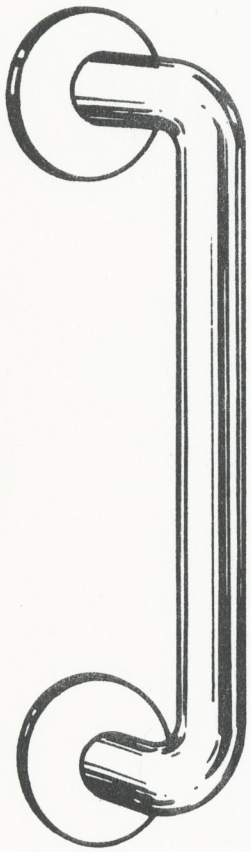
Grip diameter: 1 inch

Projection: 2-3/8"

Overall size: 721 series, 6 x 1-7/8 inches
722 series, 8-5/8 x 1-7/8 inches

3/66

TEMPORARY CATALOG PAGE 246B



Number	Overall Size	Center to Center
740	12" x 2"	10"
745	7 3/8" x 2"	5-3/8"
748	10" x 2"	8"

Also available without rosettes, suffix "NR" to number when ordering, i.e., 740NR, etc.

Material: Cast brass, bronze or aluminum and Extruded stainless steel

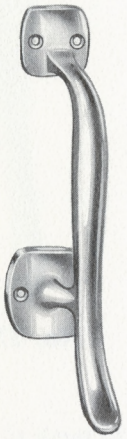
Rosettes: 2" diameter

Projection: 1-21/32"

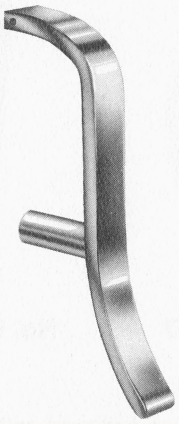
Grip: 3/4" Diameter

4/69

Hospital Type



No. 479



Nos. 477, 477¼, 477½



No. 480



Nos. 576, 576¼, 576½



No. 775 Tower

Hospital Door Arm Pulls

Especially designed for use on hospital doors. Door may be opened or closed with arm, leaving hands free.

No. 477 is applied by thru bolts.

packed: 6 per box

Number	Size, Inches	Proj. Inches	Base, Inches	Material	Wgt., Lb. Each (Brass, Approx.)
479*	9⅛	3⅞	....	Cast brass, bronze, aluminum or stainless steel	1
480	5½	4	3 x 1⅝		1⅛
477	8¼	3½	....	Extruded brass, aluminum or stainless steel	1
477¼	Same as 477 except applied by wood or machine screw.				
477½	Same as 477 but 2 pulls, bolted back to back.				

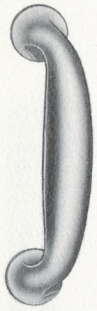
*May be furnished in BRASS AND BRONZE ONLY with lugs on back plate for machine screws to bolt through door; suffix L to number, i.e., 479L.

Pulls

Number	Size, In.	Proj. In.	Cen. To Cen. Inches	Material	Packed Per Box	Wgt., Lb. Each, (Brass, Approx.)
775 Tower	7¼ x 1	2	5½	Extruded brass, bronze or aluminum	2	3¼
576	6⅜ x 1 3/16	2⅜	5⅜	Cast brass, bronze or aluminum	2	3¼
576¼	Same as 576 except surface application instead of thru bolt.					
576½	Same as 576 except 2 pulls, bolted back to back.					

MISCELLANEOUS HARDWARE

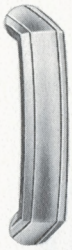
Door Pulls
Grips



Nos. 078, 076¼, 076¾, 3076



Nos. 771, 773, 774



No. 772



No. 0777



No. 0799



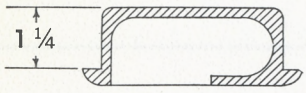
No. 0779

Grips may be used independently, especially on metal doors. Or, when so ordered, will be fitted to push plates for use as door pulls. Furnished with nuts for fastening to plate and machine screws to fasten through door.

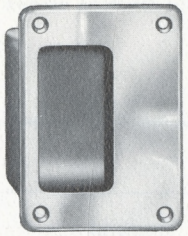
packed: 2 per box

Number	Length Overall, Inches	Projection, Inches	Cen. To Cen. Inches	Material	Wgt., Lb., Each (Brass, Approx.)
0777	6⅛	2	5¼	Cast brass or bronze (No. 078 also available in stainless steel)	¾
0779	8⅝	2⅝	7½		1⅞
0799	7¼	2⅜	6		1⅛
078	6¼	2	5¼		1
076¼	7½	2⅛	6½		1⅜
076¾	10¾	2¼	9½		2
772	5	1¾	4⅜		¾
3076	6¼	1¾	5⅛	Cast stainless steel	2
771	5¾	1⅝	5⅜	Extruded brass, bronze or aluminum	1
773	8⅜	1⅝	8		
774	5¾	1⅝	5¼		

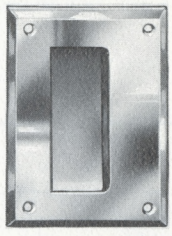
Asylum Door Pulls



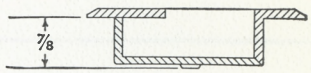
No. 491



No. 491



No. 492



No. 492

Number	Size, In.	Cup, Inches		Material	Packed Per Box	Wgt., Lb., Each (Brass, Approx.)
		Opening	Depth			
491	4¾ x 3⅝16	3 x 1½	1⅛	Cast brass, bronze or aluminum	6	1 11⁄16
492†	3 15⁄16 x 2⅞	2¾ x 1⅛	¾	Cast brass or bronze	6	11⁄16

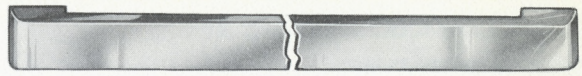
†Can be furnished in pairs for back to back application (both sides of door) when specified.

SPECIFY NUMBER AND FINISH

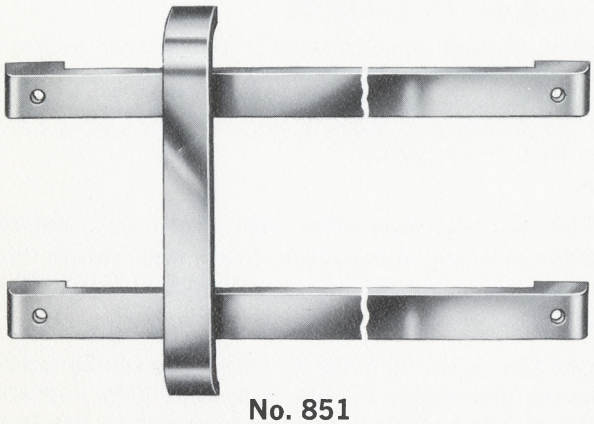
RUSSWIN



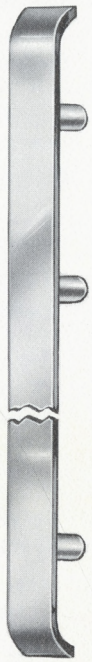
No. 850



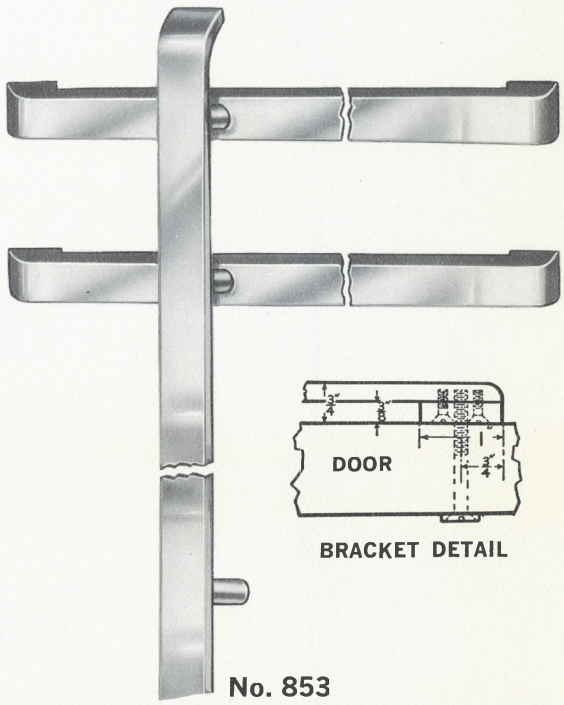
No. 850L



No. 851

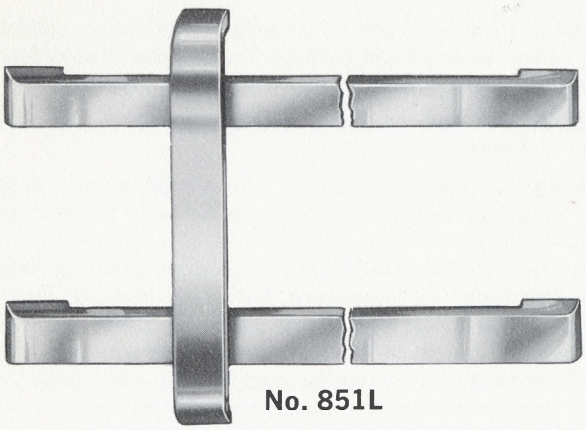


No. 852

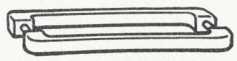


No. 853

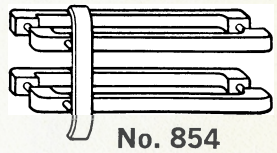
BRACKET DETAIL



No. 851L



No. 850½



No. 854

Material: Extruded brass, bronze or aluminum, 1¼ x ⅜ in.

Hand: Reversible.

Spacing Between Bars: 6 in. center to center.

Packing: 1 per box with bronze machine screws and washers to fasten through door.

Finishes: US3, US10, US26, US26D, US28

Number	Description	Application	Project. Inches	Clearance, Inches
850	Single bar	Surface screws	¾	⅜
850L	Single bar	Through bolts	¾	⅜
850½	850 bar x 850L bar, back to back	Through bolts	¾	⅜
851	Double bar with pull	Surface screws	1⅞	1½
851L	Double bar with pull	Through bolts	1⅞	1½
852*	Extended vertical pull	Through bolts	1⅞	1½
853*	Double bar with extended pull	Through bolt	1⅞	1½
854	Two sets 850½ with pull	Through bolt	1⅞	1½

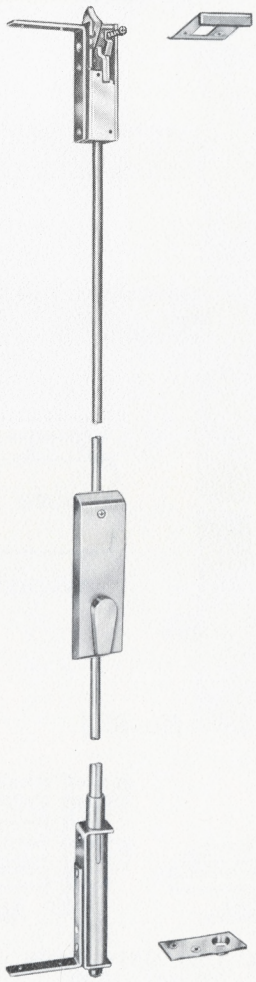
*Overall length of pull: 852, as ordered; 853, as ordered. Distance from base of pull to center of bottom lug: 852, 2⅞ in.; 853, ¾ in. Distance from center of top lug to center of middle lug: 852, 6 in.; 853, 6 in.

SPECIFY NUMBER, LENGTH CENTER TO CENTER OF STILES, HEIGHT OF PULL WHERE REQUIRED AND FINISH

MISCELLANEOUS HARDWARE

Two-Point Concealed Automatic Bolt

bronze or aluminum



No. UAC42

For single or pairs of doors — hollow metal (must be adequately re-inforced by door manufacturer) and narrow line aluminum doors — 1¾ in. thickness (thicknesses greater than 1¾" to order).

Vertical rod adjustment is automatic.

As furnished, this bolt is suitable for minimum door heights of 6'4" and maximum door heights of 8'6" without any change in bolt. Also available for door heights 8'4" to 10'8", specify when required. For door heights above or below the limits listed above, bolt must be ordered special.

Operation

No. AC40: By lever from either side except when outside lever is locked by key from outside. Inside lever always free. Top and bottom bolts held in retracted position by key from outside.

No. AC40-12: Levers on either or both sides can be locked or unlocked individually by key from same side. Top and bottom bolts can be held in retracted position by key from either side.

No. UAC41: By lever from either side except when outside lever is locked by key from outside. Inside lever always free. Outside lever automatically locked when key is removed.

No. UAC42: For exit only. No outside operation. By lever inside at all times.

No. UAC48: By lever from either side except when outside lever is locked by key from outside. Inside lever always free.

UL Listing: Nos. UAC41, UAC42 and UAC48 are listed by Underwriters' Laboratories as "Hardware, Automatic Flush or Surface Bolts" for all classes labeled doors. Bears UL Label. Maximum size of door 7'2" height, 3'8" width. When used on Pairs of Fire Doors, a Co-ordinator must also be used; see No. 4369, page 212.

Dimensions

Top Rod: ⅜ in. O.D., solid steel.

Bottom Rod: ½ in. O.D., steel tubing.

Stile: Minimum width, 1¾ in. (minimum space inside stile, 1½ in. sq.).

Top Bolt: Pivoted, ¾ in. throw, brass, dead-locking type.

Bottom Bolt: 13/16 in. throw, steel, nylon coated.

Mounting Brackets: Used when concealed screw mounting is desired. Not required if top latch and bottom bolt are secured by surface screws.

Top Strike: 2" x 27/32" — Regularly surface applied, can also be mortised in frame if desired.

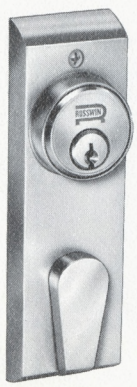
Bottom Strike: 4 3/16" x 1⅜" — Mortise application. Not required when metal threshold is used.

Cylinder: No. 0½, mortise type with standard cam.

Master Ring Cylinder: When master ring cylinder is required, prefix MR to number.

Finishes: US10, US26D, US28

Outside Operator



Size: 6⅜ x 1¾ in.
Projection: 1⅛ in.

See pages 202-203 for Concealed Fire Exit Bolts.

Automatic Flush Bolts

Universal, not handed

Cast Brass or Bronze

Features:

- Standard A.S.A. preparation.
- Self regulating, ¾" throw of bolts.
- Fully automatic. No manual lever actuations necessary.
- Wood doors can be prepared in the field. Factory preparation not necessary.
- Safety trip prevents accidental bolt release.
- U.L. Labeled.
- Bottom strike can be surface or mortise applied.

Operation: Bolts are installed on inactive leaf of a pair of doors. When inactive door is closed, bolts are thrown and deadlocked by closing active door. They remain deadlocked until active door is again opened. When active door is opened, inactive door is then free to open by a push or pull action. When inactive door is opened, bolts are automatically held in a retracted position. When used on pairs of doors with astragal, co-ordinator must be used. Designed for use with Russwin Co-ordinator 4369 (page 212) only.

Safety Trip: If inactive door is fully opened, a safety feature prevents the bolts from being extended until the door is fully closed — pressure on the trip levers projecting from the edge of the door will not alone release the bolts, trip levers in the bolt heads must also be activated — both levers must be activated in conjunction with one another for bolt extension to materialize — independent lever depressions will not accomplish this.

Plate Size: 6¾" x 1".

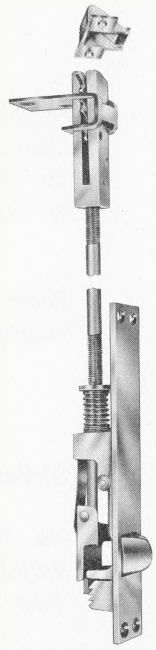
Door Thickness: Regularly furnished for 1¾" doors. Also available for 1⅜", 2", 2¼" and 2½" doors when so ordered **(exception: strike 93CD which is available for 1¾" doors only).**

Downset: 12" only. (Downset is distance from top or bottom of bolt to centerline of plate.)

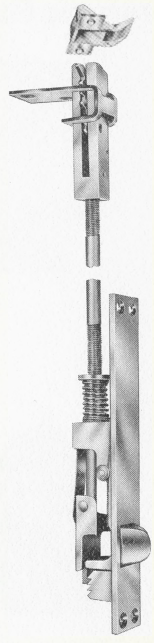
Rounded Corners: When bolt is required with rounded corners to 9/32" radius prefix RC to number, i.e., RC393CD. Bottom strike is regularly furnished rounded corners. Threshold strike is not available rounded corners. When Top Strike or Stile Strike are required rounded corners prefix RC to number, i.e., RC93CD, etc.

Stainless steel mounting screws regularly furnished.

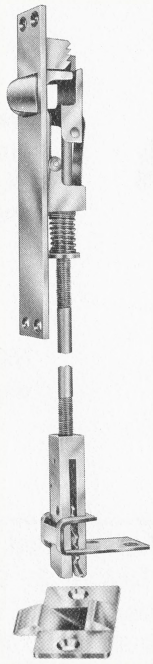
Weight, Lbs.: Approx. 2¼ lbs. each.



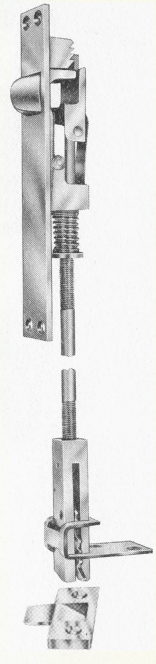
No. 393CD
With Top Strike 93CD (when used with co-ordinator)



No. 393
With Top Strike 93 (when used without co-ordinator)



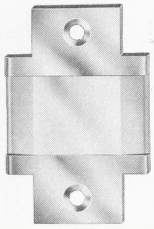
No. 394
With Bottom Strike 94



No. 395
With Threshold Strike 95

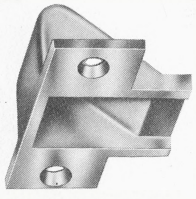
MISCELLANEOUS HARDWARE

Automatic Flush Bolts



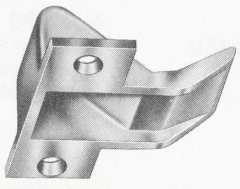
Stile Strike: No. 96, regularly furnished with each bolt. This strike or wear plate is attached to edge of active door. When active door is closed against inactive door, this plate triggers mechanism in bolt front causing bolts to be thrown. Size: 2¾" x 1⅛".

Wear Resistance: Wear resistance features are built into the strikes plus twin delrin inserts in the bolt heads to ease bolt operation.

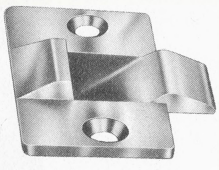


Strikes:

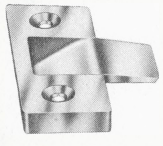
No. 93CD, top strike for bolts used in conjunction with co-ordinators. Regularly furnished with both wood and machine screws. Size: 2½" x 15/16".



No. 93, top strike for installations not requiring co-ordinators. Regularly furnished with both wood and machine screws. Size: 2½" x 15/16".



No. 94, bottom strike. Minimum door gap required: 11/32" on mortise applications, 7/16" on surface applications. Maximum door gap required: ¾". Regularly furnished with wood screws and rawl plugs. Caulking anchor available when ordered. Size: 3" x 1 27/32".

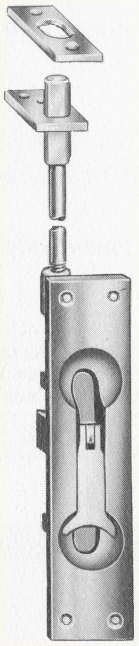


No. 95, threshold strike. Regularly furnished with wood screws and rawl plugs. Caulking anchor available when ordered. Size: 2⅞" x 1 11/16".

U.L. Labeled: Labeled by Underwriters Laboratories for Class A, B, C, etc. labeled fire doors. Maximum size of door 4' x 8'. When used on pairs of doors with astragal, co-ordinator must be used. Designed for use with Russwin Co-ordinator 4369 (page 212) only. Listing requires use of bolts at both top and bottom of door.

SPECIFY NUMBER, DOOR THICKNESS AND FINISH

Flush Bolts — Lever Type



brass, bronze or aluminum, polished

Available in 6, 9, 12, 18, 24, 30, 36, 48 inch downsets (distance measured from top or bottom of door to center line of plate).

Regularly packed 2 in a box (12 inch downset rods only, other rods packed separately). Furnished without rods when so ordered. See below for dust-proof strikes.

Bolts 199 and 298 (in brass and bronze only) are listed by Fire Underwriters Laboratories for class A, B, C, D and E doors.

Bolt 199 complies with ASA standards.

Number	Description	Size Plate, Inches	Bolt, Inches	Conforms To Federal Specification	Weight, Lb. Per Doz. (Approx.)
199	Flat plate	6¾ x 1	½	1049	7⅝
298	Flat plate	6¾ x 1¼	½	1045	9⅝
0298	Rounded plate to 4″ radius	6¾ x 1¼	½	....	10⅞
298½	Rabbeted plate, reversible	6¾ x 1¼ x ½	½	1045R	14¼

Lever: Extruded brass or aluminum

Guide And Strike: Wrought brass

Plate: 0298 — cast brass, bronze or aluminum
all others — forged bronze or aluminum

Rods: Steel.

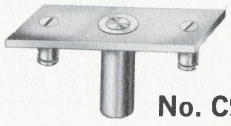
No. 298
Type Of
199, 0298, 298½

SPECIFY NUMBER, DOWNSET WHEN REQUIRED AND FINISH

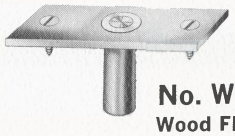
Dust-Proof Strikes



No. T98
Threshold Application



No. C98
Concrete Floor Application



No. W98
Wood Floor Application

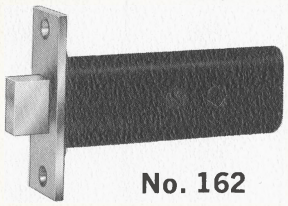
For Bolts 199, 298, 298½, 0298

Number	For Bolt Head	Size Of Face, Inches
T98	½ inch	1⅛ diam.
W98	½ inch	4¾ x 1½
C98	½ inch	4¾ x 1½

Mortise Door Bolt

Reversible

packed: 6 per box with both wood and machine screws



No. 162

Hub: Brass, for 3/16 in. spindle

Bolt: Cast brass, ½ in. throw

Operation: By turn piece from one side only

Strike: Wrought, type 5
(16W wrought box available when ordered)

Backset: 2½ in. regular
2¾ in. available when ordered

Number	Front, In.*	Case, Inches	Turn Piece No.	Weight, Lb. Per Doz. (Approx.)
162	2½ x ⅞	1¼ x 3½ x ½	070	8½

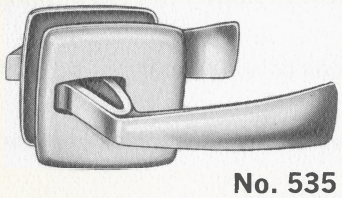
*Flat front regular. Beveled front ⅛ on 2 in. available when ordered.

SPECIFY NUMBER AND FINISH

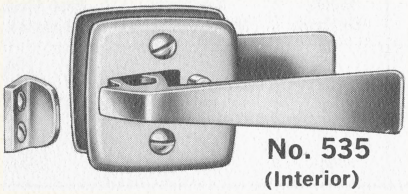
MISCELLANEOUS HARDWARE

Screen Door Catch, Push-Pull Type

For Doors ¾ To 1⅜ in. Thick, Opening Out Reversible



No. 535
(Exterior)



No. 535
(Interior)

Easy to install, this catch requires only one hole, 1¾ in. diameter, in the door.

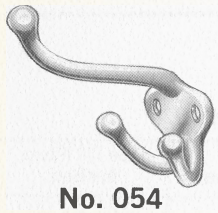
Strike is applied to surface of jamb.

Material And Finish: Pressure cast alloy metal, polished; US3, polished brass, 4L satin brass lacquer, 10L satin bronze lacquer, 28L satin aluminum lacquer.

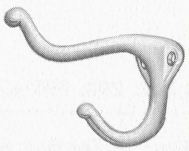
Operation: A push on inside lever or pull on outside lever opens catch. Slide button on inside escutcheon locks the catch.

Number	Strike		Levers, Inches	Escutcheons, Inches	Packed		Weight, Lb. (Approx.) Per Case
	Inches	Type			Per Box	Per Case	
535	1 x ½	Angle	3¼	2 x 2	1	30	18¾

Coat And Hat Hooks



No. 054



No. T139

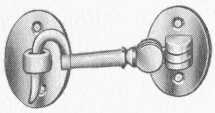
packed: 10 per box

Number	Base Inches	Project. Inches	Material And Finish	Weight, Lb. Per Box (Approx.)
054	1½ x 1⅜	2¾	Cast brass or bronze, polished	2
T139	1⅝ x 1 3/16	3	Cast brass or bronze, polished	1½

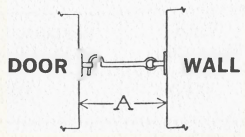
Cabin Door Hooks

Hook and Plates: Heavy, swivel jointed

cast brass, polished



No. 0



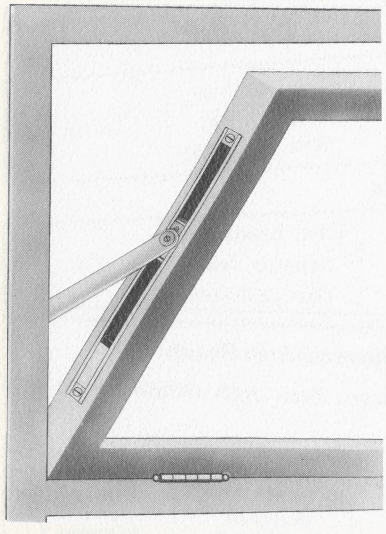
packed: 10 per box

Number	Length Inches	Plate, Inches	A, Inches	Weight, Lb. Per Doz. (Approx.)
0	2½	1½ x ⅞	2⅝	4½
	3	1½ x ⅞	3⅛	4¾
	3½	1½ x ⅞	3⅝	5
	5	1¾ x 1⅜	4⅞	5½
	6	1¾ x 1⅜	5⅞	5¾
	8	1¾ x 1⅜	7⅞	6¼
	12	1¾ x 1⅜	12	8
	15	1¾ x 1⅜	15	10¼

SPECIFY NUMBER, SIZE WHEN REQUIRED, AND FINISH

Concealed Transom Adjusters

extruded brass — positive grip



No. 800,
Type Of No. 900



Extruded Brass Track



Nos. 800, 900
Triple-Grip Friction Slide

By means of an original method of applying friction, all three inner surfaces of the track are utilized, assuring increased life of all parts and eliminating the necessity of frequent adjustments.

An encased shock absorber consists of resilient rubber and a spring.

Specify two adjusters for each transom. A transom catch should be used to keep transom in closed position.

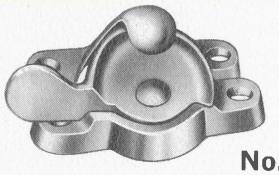
No. 800A, etc. Conforms to Federal Specification 1101.
No. 900C, etc. Conforms to Federal Specification 1101A.

Number	Transom Height, Inches	Jamb Bracket, Inches	Arm Thickness, Inches	Extruded Brass Track, In.		
				Width	Depth	Wall Thick.
Light-Weight Type, 45° Opening						
800A	8 to 9½	2¼ x ¾ x ⅛	⅛	¾	½	1/16
800B	10 to 11½					
800C	12 to 13½					
800D	14 to 17½					
800E	18 to 23½					
800F	24 to 29½					
800G	30 to 35½					
800H	36 to 42					
Heavy-Duty Type, 45° Opening						
900C	12 to 13½	3½ x 1 x 3/16	3/16	⅞	¾	1/16
900D	14 to 17½					
900E	18 to 23½					
900F	24 to 29½					
900G	30 to 35½					
900H	36 to 42					

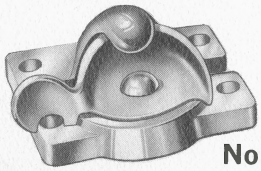
MISCELLANEOUS HARDWARE

Sash Fasteners For Double-Hung Windows

packed: 10 per box



No. T110



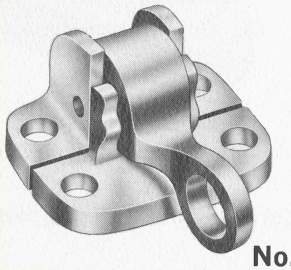
No. T115

Number	Case, Inches	Strike, Inches	Material And Finish	Weight, Lb. Per Doz. (Approx.)
Light Weight For Residences				
T110	7/8 x 2 1/2	9/16 x 2 1/2	Cast brass or bronze, friction polished	2 3/8
Medium Weight For Commercial Buildings				
T115	1 x 2 3/4	9/16 x 2 3/4	Cast brass or bronze, friction polished	2 7/8

Signal Sash Fastener

For Use With Pole When Meeting Rail Is Beyond Arm Reach

Signal sash fasteners can be operated from floor with window pole and hook.



No. 149

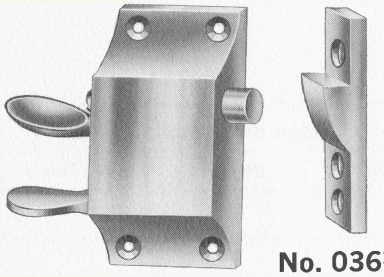
packed: 6 per box

Number	Case, Inches	Strike, Inches	Material And Finish	Weight, Lb. Per Doz. (Approx.)
149	3/4 x 2 3/8	3/4 x 2 3/8	Cast brass or bronze, polished	6 1/2

Car Window, Sash Or Blind Lock

Not Reversible, Specify Hand

cast brass or bronze, polished



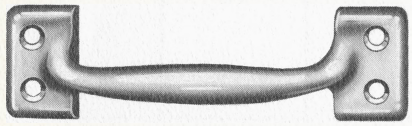
No. 036 1/2

packed: as ordered

Number	Size, Inches	Stops		Weight, Lb. Per Doz. (Approx.)
		Number	Size, In.	
036 1/2	2 5/8 x 1 1/8	3	1 9/16 x 7/16	4 3/8

Sash Lifts

Bar Type



Nos. T033, T037

packed: 10 per box

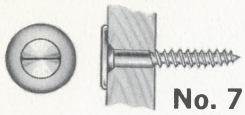
Number	Size, Inches	Project, Inches	Material And Finish	Weight, Lb. Per Doz. (Approx.)
T033	1 x 4	1 1/8	Cast brass or bronze, friction polished	1 7/8
T037	1 3/8 x 5	1 1/4	Cast brass or bronze, friction polished	2 7/8

Conforms to Federal Specifications:

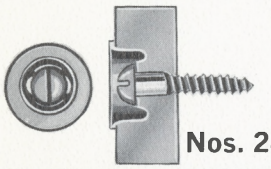
Gov't Type	*RUSSWIN NO.*
T110	*1140*
T115	*1139*
149	*1138*
036 1/2	*1146*
T033	*1204*
T037	*1203*

SPECIFY NUMBER, HAND WHEN REQUIRED, AND FINISH

Stop Bead Screws For Window And Door Stops



No. 7120

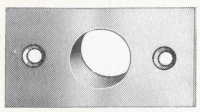


Nos. 283, 7284

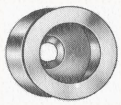
packed: 150 per box

Number	Screw	Material	Weight, Lb. Per Gross (Approx.)
7120	1¼ in. No. 8	Steel screw, steel washer, plated	1½
283	1 in. No. 8	Steel screw, bronze washer	1¾
7284	1 in. No. 8	Steel screw, steel washer, plated	1¾

Sash Pull Sockets



No. 22

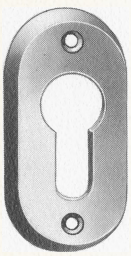


No. 7031

Number	Size, Inches	Material	Packed Per Box	Weight, Lb. Per Gross (Approx.)
22	1 3/16 x 2	Cast brass or bronze, highly polished	10	1¼
7031	1 diam.	Wrought steel, plated	24	½

No. 22 Conforms to Federal Specification 1266.

Pole Hanger



No. 15

cast brass or bronze
highly polished

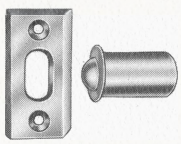
packed: 10 per box

Number	Size, Inches	Weight, Lb. Per Gross (Approx.)
15	2⅜ x 1⅛	1¼

Conforms to Federal Specification 1262.

Friction Catches

wrought brass case and strike, steel ball



Nos. 3066 to 3068

packed: 50 per box

Number	Length, Inches	Diam. Inches	Adjust. Inches	Weight, Lb. Per Gross (Approx.)
3066	⅜	¼	1/16	1
3067	½	⅜	¼	3¾
3068	¾	⅜	¼	4

No. 3067 Conforms to Federal Specification 1071.

Pull-Down Hook



No. 27

For ⅞-Inch Diameter Poles

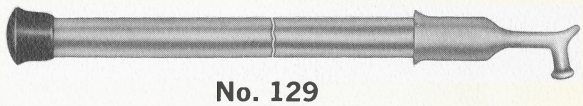
cast brass or bronze, polished

packed: 10 per box

Number	Size, Inches	Weight, Lb. Per Doz. (Approx.)
27	4⅛ x 1¼	3¼

Conforms to Federal Specification 1264.

Pole With Pull-Down Hook



No. 129

aluminum tubing, anodized
⅞ In. Diameter

cast aluminum hook

Furnished in 4, 6 and 8-foot lengths.
Specify length required.

SPECIFY NUMBER, HAND WHEN REQUIRED, AND FINISH

MISCELLANEOUS HARDWARE

Reg. U.S. Pat. Off.
Marca Registrada

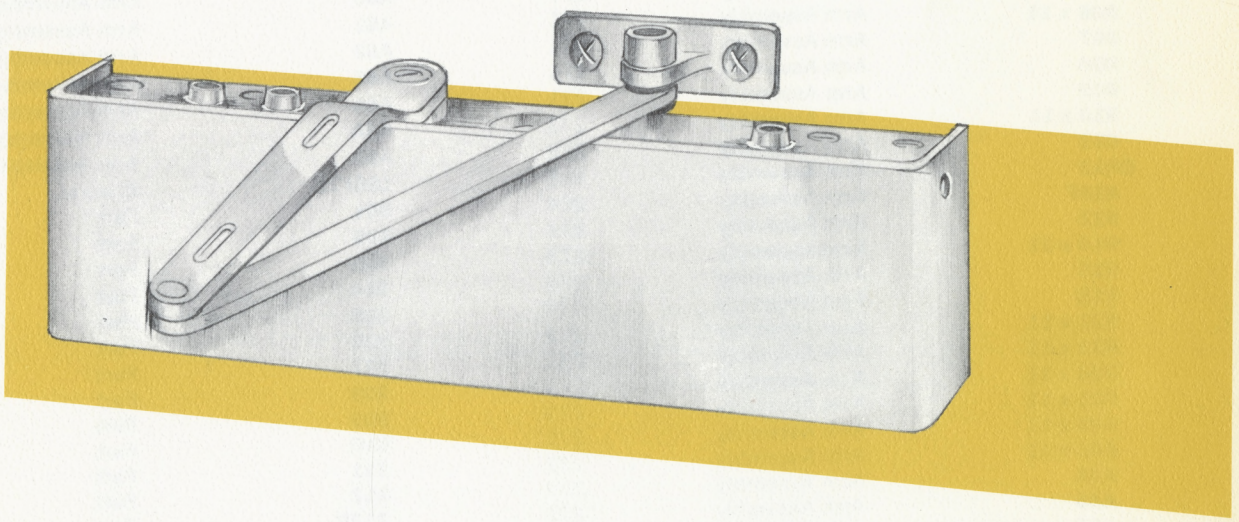
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



Phoenix Mutual Life Insurance Co.
Hartford, Connecticut

RUSSWIN®

"400"®, "500" and "600" DOOR CLOSERS



"400"®, "500" and "600" SERIES DOOR CLOSERS

Alphabetical Index

400 Door Closer Series Pages 260-267
500 Door Closer Series Pages 268-279
600 Door Closer Series Pages 280-284

DOOR CLOSER SERIES:	400	500	600
ITEM	SHOWN ON PAGES:		
Arm Brackets	264-265	278	283-284
Closer Brackets	264	277	283-284
Closer Ordering Charts	262	271-276	282
Corner Bracket	263	274	283
Covers	264	277	—
Door Size Chart	262	270	283
Federal Specifications	261	270	281
Finishes	263	270	283
Fusible Link	262	274	282
General Information	260	268	280
Ordering Information	263	270	282
Parallel Arm	262	273	282
Parts	266-267	279	—
Specifications	261	269	281
U.L. Listing	261	269	281

Numerical Index

Number	Description	Page	Number	Description	Page
R01 x 11	Arm Assembly	271	R57 x 11	Arm Assembly	273
R02 x 11	Arm Assembly	271	R58 x 11	Arm Assembly	273
R03 x 11	Arm Assembly	271	C58	Arm Assembly	275
R04 x 11	Arm Assembly	271	CH58	Arm Assembly	275
R05 x 11	Arm Assembly	271	A60	Arm Assembly	282
R06 x 11	Arm Assembly	271	A61	Arm Assembly	282
R07	Arm Assembly	271	A62	Arm Assembly	282
R08	Arm Assembly	271	A63	Arm Assembly	282
R09	Arm Assembly	271	A66	Arm Assembly	282
R10 x 11	Arm Assembly	273	A68	Arm Assembly	282
C12	Arm Assembly	275	A69	Arm Assembly	282
CH12	Arm Assembly	275	158F72	Bracket	284
A13F	Arm Assembly	274	301	Part	279
R13	Arm Assembly	274	302	Part	279
R14 x 11	Arm Assembly	273	303	Part	279
R15	Arm Assembly	274	304	Part	279
R19	Arm Assembly	274	305	Part	279
R22 x 11	Arm Assembly	273	306	Part	279
R23 x 11	Arm Assembly	273	307	Part	279
R24 x 11	Arm Assembly	273	308	Part	279
R25 x 11	Arm Assembly	273	309	Part	279
A40 x 11	Arm Assembly	272	310	Part	279
A42 x 11	Arm Assembly	272	311	Part	279
A44	Arm Assembly	272	312	Part	279
A46	Arm Assembly	272	312P	Part	279
A47	Arm Assembly	274	313	Part	279
A48 x 11	Arm Assembly	272, 274	314	Part	279
A49 x 11	Arm Assembly	272, 274	315	Part	279
A50F x 11	Arm Assembly	274	316	Part	279
A51F x 11	Arm Assembly	274	317	Part	279
A52F x 11	Arm Assembly	274	318	Part	279

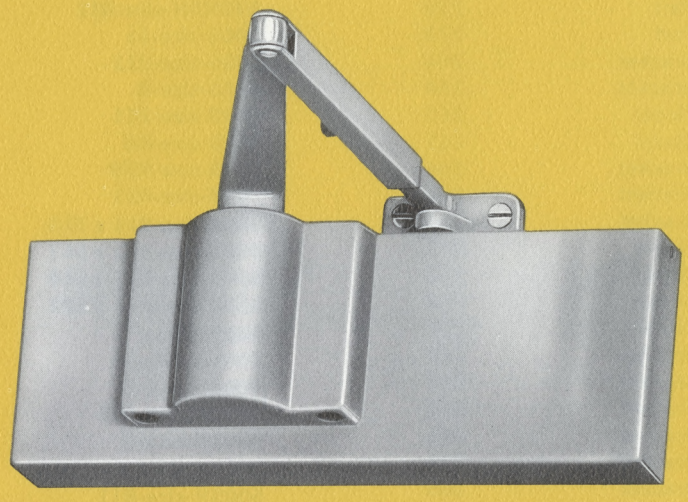
Numerical Index (continued)

Number	Description	Page
319	Part	279
320	Part	279
321	Part	279
400	Bracket	264
400-1	Bracket	264
400M	Closer	262
400MH	Closer	262
400R	Bracket	264
400R-1½	Bracket	264
400R-2	Bracket	264
400S	Closer	262
400SH	Closer	262
400W	Closer	262
400WH	Closer	262
P400M-21	Bracket	265
P400M-22	Bracket	265
P400S-21	Bracket	265
P400S-22	Bracket	265
P400S-24	Bracket	265
P400S-25	Bracket	265
401	Tool	267
402	Tool	267
403	Tool	267
404	Tool	267
405	Tool	267
406	Tool	267
407	Tool	267
408	Tool	267
409	Tool	267
410	Tool	267
411	Tool	267
412	Tool	267
413	Tool	267
414	Tool	267
415	Tool	267
416	Tool	267
428	Bracket	263
500C-3	Closer	275
500C-4	Closer	275
500CH-3	Closer	275
500CH-4	Closer	275
500CT-3	Closer	276
500CT-4	Closer	276
500CTH-3	Closer	276
500CTH-4	Closer	276
500M-size-R11	Closer	271
500MH-size-R	Closer	271
500MH-size-R11	Closer	271
500MS-size-11	Closer	272
500MS-size-R11	Closer	271
500MS-size-RD11	Closer	274
500MSH-size	Closer	272
500MSH-size-11	Closer	272
500MSH-size-D	Closer	274
500MSH-size-R	Closer	271
500MSH-size-R11	Closer	271
500S-size-11	Closer	272
500S-size-011	Closer	272
500S-size-B	Closer	274
500S-size-R11	Closer	271
500S-size-RB	Closer	274
500S-size-RB9	Closer	274
P500S-size-R11	Closer	273
P500S-size-R11 x 510	Closer	273
P500S-size-R11 x 517	Closer	273
P500S-size-R11 x 518	Closer	273
P500S-size-R11 x 521	Closer	273
500SH-size	Closer	272
500SH-size-11	Closer	272
500SH-size-0	Closer	272
500SH-size-011	Closer	272
500SH-size-B	Closer	274
500SH-size-R	Closer	271
500SH-size-R11	Closer	271
P500SH-size-R11	Closer	273
P500SH-size-R11 x 510	Closer	273
P500SH-size-R11 x 521	Closer	273
503	Backplate	277
504	Backplate	277
510	Bracket	278
H510	Bracket	278
515	Bracket	277
516	Bracket	277, 284
519	Bracket	278
H519	Bracket	278
520	Bracket	278
H520	Bracket	278
521	Bracket	278
H521	Bracket	278, 284
522	Bracket	278
H522	Bracket	278, 284
528	Bracket	277, 283
539	Bracket	278
583	Bracket	278
584	Bracket	278
600-size	Closer	282
600H-size	Closer	282
600H-size-0	Closer	282
600-4-B	Closer	282
600H-4-B	Closer	282
P600-size	Closer	282
P600H-size	Closer	282
P600-size x 621	Closer	282
P600H-size x 521	Closer	282
617	Bracket	283
621	Bracket	284
622	Bracket	284

RUSSWIN Door Closers are guaranteed against defects in material and workmanship. Every closer is thoroughly tested and adjusted to operate on a full-size right or left hand door before leaving the factory and is ready to apply to a door operated under ordinary conditions. Directions, packed with each closer, explain fully how adjustment can be made to meet unusual conditions.

We do not assume responsibility, however, for breakages occurring where a smaller size closer than is suitable for the door is used. The tables of sizes list the size of the door which each closer is intended to control.

"400"® Door Closer





The Strongest Door Closer Ever Built . . .

RUSSWIN "400"®—Good Looking, Good Closing, Noiseless!

The aristocrat of door closers, Russwin "400" has everything you'd expect from the best: advance design . . . rugged, heavy duty precision fitted-parts that maintain smooth performance and exceptionally long service life . . . attractive yet unobtrusive appearance . . . quiet, easy-does-it operation, made possible by the "Silence Adjustment" feature which permits closing in any manner—at all closing speeds. The Russwin "400" is available in three types: mortised, partially mortised with cover plate, or surface mounted with modern cover. One location controls all interior or exterior doors that can be handled by a door closer. Truly the strongest closer ever built with full-time power control.

Other "400" Features Include:

One-piece steel spindle: Cut from a single piece of alloy steel.

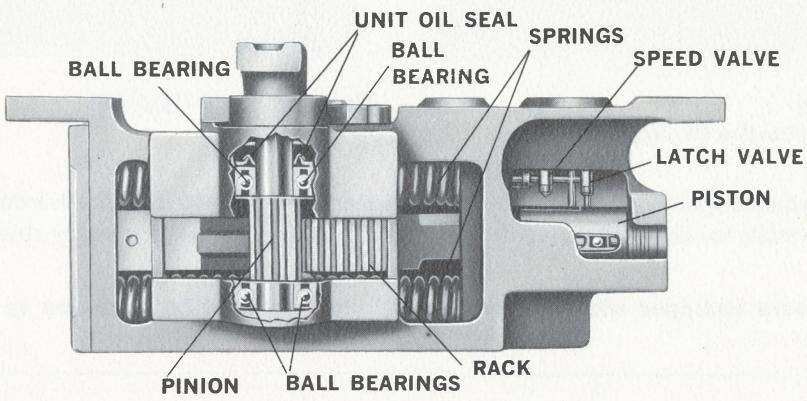
Precision Ball Bearings: For rigid spindle support and friction resistant travel.

Dual Controls: One for closing speeds, one for latching speeds. Choice of five spring capacities for varying door sizes. Same size mortise or cutout for all doors. Delayed action for slow traffic in critical areas.

Specify "400" — "The Closer With Manners".
Recommended for Schools, Hospitals, Office Buildings and other Commercial Installations.

Listed by Underwriters Laboratories for all classes labeled doors, swing type.

Specifications



Case: Alloy cast iron, the same as used in the cylinders of high-pressure hydraulic devices. Precision machined.

Arms: Forged steel and tubular sections. All turning or wearing parts are hardened to give long service.

Springs: Helical, automobile-valve type. Made of high-carbon steel, oil tempered after winding.

Piston: 1¾ inches long to extend service life of closer.

Alloy Steel Rack: Accurately cut and heat treated. The back bearing surface is ground to a smooth finish and slides against a hardened and ground steel block.

Alloy Steel Pinion: Accurately cut and heat treated. Cut from a single piece of steel to make a true one piece pinion. All bearing surfaces are ground.

Ball Bearings: Two large ball bearings assure smooth and efficient operation. Self-lubricating.

Oil Seal: Spring loaded type low friction oil seal is virtually leak proof.

Valves: Dual control plus "SILENCE ADJUSTMENT". Wide range of valve movement. No fussy or hair-line adjustments. Large packing area with 1 leather and 2 buna washers to each valve.

With the system of valve control used in the RUSSWIN "400" door closer, any desired manner of closing may be obtained. One valve controls the door up to approximately ten degrees of the latch, and the second valve controls the latching speed. The door may be closed in less than three seconds from 90° so quietly with the "SILENCE ADJUSTMENT" that there is no audible contact between the door and the stop. The latch control valve may be so adjusted that the speed of the door may be hastened sufficiently to pull the stiffest latch beyond the lip of the strike. The movement of the door then may be slowed down to give noiseless, complete closing by means of the "SILENCE ADJUSTMENT." If exceptionally strong draughts are encountered or if door or frame is warped, the latch control valve may be adjusted to hasten the movement of the door during the last few degrees of closing to bring the door against the stop, assuring positive and complete latching.

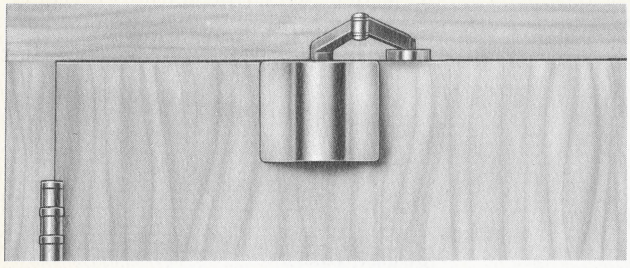
Conforms to Federal Specifications:

Gov't. Type	*RUSSWIN NO.*
3225-I	*400-3*
3225-II	*400-4*
3225-III	*400-5*
3225-III H	*400-5 H*

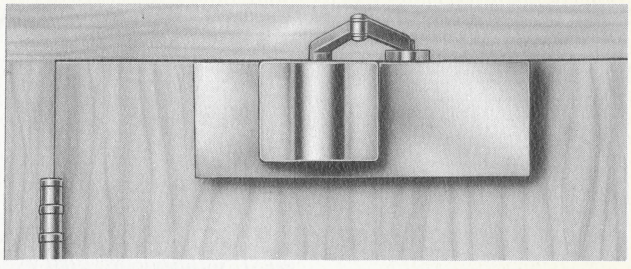
Checking Fluid: High lubricity, low pour-point, assures smooth operation and long life.

Installation: Exceptionally easy. The re-inforcements are simple and actually strengthen the door where the closer is applied. The Russwin "400" door closer is applicable as standard to hollow metal doors 1½ inches or more in thickness, and to wood doors 1¾ inches or more in thickness.

"400"® Door Closer



Mortise Type Applied
Only The Arm And A Small Section Of Case Are Visible



Surface Type Applied

Data given below will facilitate specification of "400" door closers for application on both interior and exterior doors. Specify number listed in table for size and type of door and application from table; specify other pertinent information as listed.

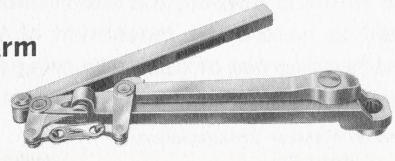
Outswinging exterior doors equipped with mortised "400" closer should be protected by reveal or canopy over top of door.

Closer Size	Maximum Size Of Door*		Closer Numbers For Mortise Application On				Closer Numbers For Surface Application On	
			Metal Doors		Wood Or Kalamein Doors**		All Doors	
	Interior	Exterior	Regular	Hold-Open	Regular	Hold-Open	Regular	Hold-Open
2	2′8″ x 7′0″	....	400 M-2	400 MH-2	400 W-2	400 WH-2	400 S-2	400 SH-2
3	3′4″ x 7′0″	2′6″ x 7′0″	400 M-3	400 MH-3	400 W-3	400 WH-3	400 S-3	400 SH-3
4	4′0″ x 7′0″	3′2″ x 7′0″	400 M-4	400 MH-4	400 W-4	400 WH-4	400 S-4	400 SH-4
5	Heavy	3′6″ x 7′6″	400 M-5	400 MH-5	400 W-5	400 WH-5	400 S-5	400 SH-5
6	Extra Heavy	Extra Heavy	400 M-6	400 MH-6	400 W-6	400 WH-6	400 S-6	400 SH-6

*Thickness of door has been omitted since this dimension varies with the type of door and the method of application. Herewith is listed minimum door thicknesses for the different types of door for: **Full Mortise Application:** Metal Doors — 1½ inches minimum; Wood or Kalamein Doors — 1¾ inches minimum **Partial Mortise Application:** Metal Doors Only — 1 inch minimum; **Surface Application:** All types of doors — any thickness.

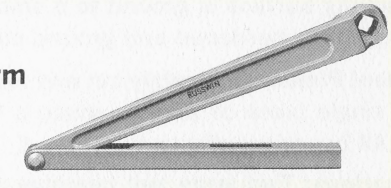
**Reinforcing plates furnished.

Fusible Link Arm



Designed for use with closers on fire doors to allow door to close automatically in case of fire. The hold-open device is constructed with a fusible link that will melt when subjected to a temperature of 160 degrees F, allowing the door to close automatically (link to melt at 125 degrees F also available, furnished only when ordered). Furnished on closers 3, 4, 5 and 6 for doors opening to 120°. To order, suffix F to closer number, i.e., 400 MHF-3, 400 SHF-3, etc. Also available with parallel arm closers, surface application only. Specify as above, i.e., P400SHF, and indicate whether bracket P400SHF-21 or P400 SHF-22 is required (page 265).

Parallel Arm



Surface door closers can be furnished with parallel arm. To order, prefix P to number, i.e., P400S-2 (regular) or P400SH-2 (hold-open) and specify whether bracket No. P400S-21 or No. P400S-22 is required (page 265). Mortise door closers can be furnished with parallel arms for metal doors only. To order, prefix P to number, i.e. P400M-2 (regular) or P400MH-2 (hold-open) and specify which bracket (page 265) is required. Closers with parallel arms require 5½-in. minimum top rail for mortise application; 3¼-in. top rail for surface application. Specify finish required.

Information Required For Ordering "400" Closers For All Interior And Exterior Doors

packed: 1 per box, 13 lb. each; with wood screws, machine screws or through bolts as required. Specify type required. Regular mortise bracket available with surface closers.



Minimum Clearance Between Top Of Door And Ceiling:
With regular arm, 1 in.
With fusible arm, 1⅜ in.

Minimum Width Of Top Rail Required For Mortise Applications
On metal doors, 4 in.
On wood or kalamein doors, 5 in. (minimum width of stile, 5 in.)

Specify:

1. Hand of door.

2. Type of door and frame, metal, wood or kalamein. If wood or kalamein door, give width of top rail.

3. Thickness of door.

4. Size of closer: To determine the proper size of closer, first consideration should be given to the width and height of door and to the draft conditions to which the door will be subjected. The weight of the door must also be considered.

Existing installations of the Russwin "400" closer cover extreme sizes of door widths, heights, thicknesses and weights beyond the dimensions listed here. Careful consideration of unusual requirements of the Russwin "400" closer will be given by our Engineering Department on request. Specifications apply to doors operating under normal conditions. If the door is unusually heavy or is subject to strong drafts, use closer one size larger than specified.

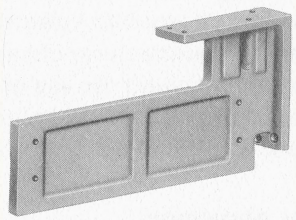
5. With or without hold-open feature.

6. Finish: Cover and arms are regularly furnished with prime coat unless otherwise ordered. All other finishes are special. Case and arm of closers on outswinging doors should be electro-galvanized.

7. Delayed action, if required. See page 264.

Finishes:

DBL dull bronze lacquer
SBL silver aluminum lacquer
US2G electro-galvanized
USP prime coat
US26D satin chrome plated (cover only, arms galvanized and sprayed to match)
US10 satin bronze



Corner Bracket No. 428

Size: 13⅛ in. x 7 in.

Available for corner bracket application in conjunction with overhead door holders. When ordering closers for use with this bracket add "C" to number as follows:

Non hold-open closers — 400C-2, 400C-3, etc.
Hold-open closers — 400CH-2, 400CH-3, etc.
Fusible link closers — 400CHF-3, 400CHF-4, etc.

Suggested Specification

Door closers for all interior and exterior metal doors not less than 1½ inches thick and wood or kalamein doors not less than 1¾ inches thick, such as the RUSSWIN "400" door closer, manufactured by the Russwin Division.

Closers shall be of rack and pinion construction with dual, independent valve control and "Silence Adjustment," two helical compression springs, forged steel closer arm, and tubular, adjustable frame arm. The operating spindle shall be mounted in two ball bearings.

Closers shall have a totally concealed, adjustable, fully-automatic hold-open, with all parts hardened against wear.

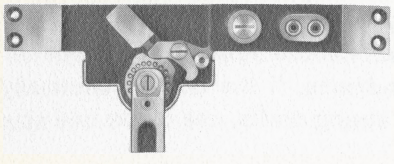
Closers shall be of one size with various spring capacities and all capacities shall be interchangeable in the same mortise.

"400"® Door Closer

Closer Arms
"400" door closers are furnished with No. 11 arm. Max. door opening: 180°.

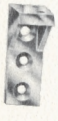
Delayed Action
All "400" closers, except fusible link closers, may be furnished with delayed action feature. With this feature, door is held open for a short period of time, then closes automatically. To order, prefix DA to closer number, i.e., DA400M-2, etc. Effective range of delayed action is as follows: regular application — from 180° to approx. 70° of door opening; corner bracket and parallel arm application — from 180° to approx. 95° of door opening. NOTE: On hold open closers, h.o. point must be set beyond the point at which delayed action takes effect; otherwise, delayed action will close door only up to hold open point at which time the door will remain open. Normally hold open point should be set at a minimum of 120°.

Hold-Open Device



The patented hold-open device furnished for the "400" closer is based on the cam and pawl principle, with all parts having glass-hard surfaces. Holding tension and degree of hold-open are adjustable; holding points are provided up to approximately 180 degrees. Holding mechanism is totally concealed when closer is applied and can be adjusted only by means of a special wrench. Hold-open device is fully automatic when set to degree of holding required.

Surface Mounting Bracket

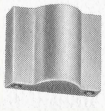


No. 400R **Right-hand shown — both right and left-hand brackets packed with all surface closers.**

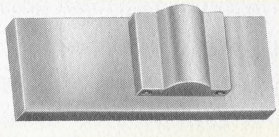
Closer Number	Min. Top Rail, In., For Brackets*		
	400R	400R-2	400R-1½
400S 400SH 400SHF	2⅞	2	1½
P400S P400SH	4⅝	3¾	3¼
P400SHF	5	4⅛	3⅝

*Specify hand of bracket, i.e., 400R right hand, 400R left hand, etc.

Covers



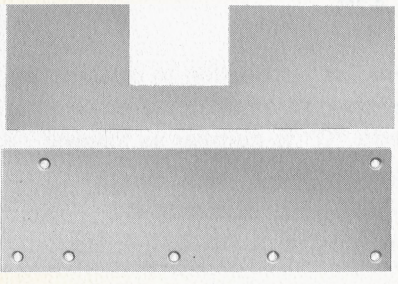
For Mortise Closer



For Partial Mortise And Surface Closers

Wrought brass covers regularly furnished on all closers.

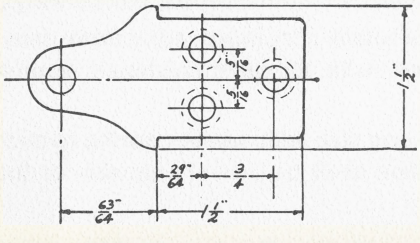
Reinforcing Plates For Wood Or Kalamein Doors



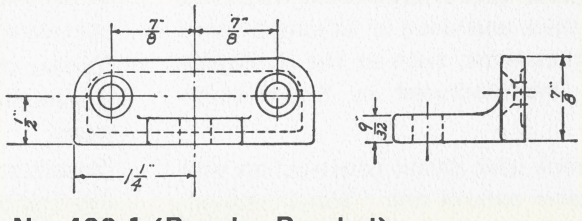
Wrought steel, 5/32-in. thick plates, bolted together from one side, regularly furnished with closers for mortise application on wood or kalamein doors. We recommend that reinforcing plates be sent to manufacturer of kalamein doors before doors are fabricated and that reinforcing plates for use on wood doors be applied at the mill. The "400" may be mortised into solid core doors without reinforcing plates providing the work is carefully done by a competent mechanic.

SPECIFY FINISH REQUIRED.

Arm Brackets



No. 400 (Regular Bracket)
Mortise Application

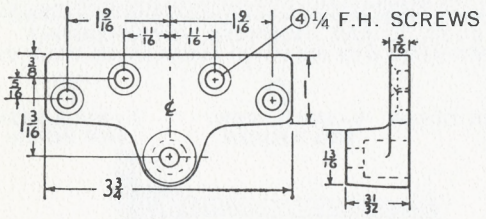


No. 400-1 (Regular Bracket)
Surface Application

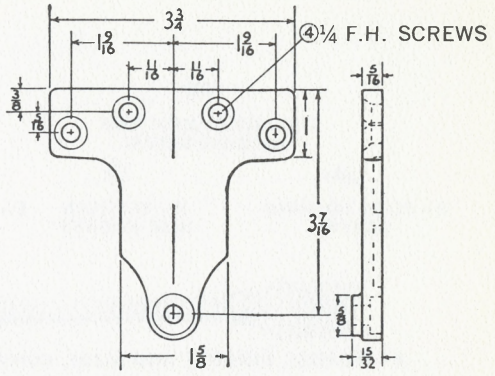
Surface application has approval of underwriters for labeled kalamein doors without any special preparation.

SPECIAL BRACKETS MAY BE OBTAINED TO SUIT PRACTICALLY ANY SPECIAL CONDITION; INFORMATION FURNISHED ON REQUEST.

Brackets For Parallel Arm Mortise Closers

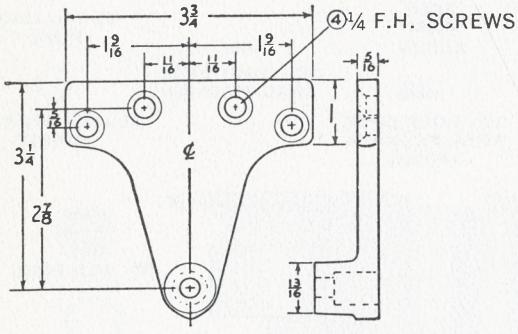


No. P400M-21
For Mounting On Soffit

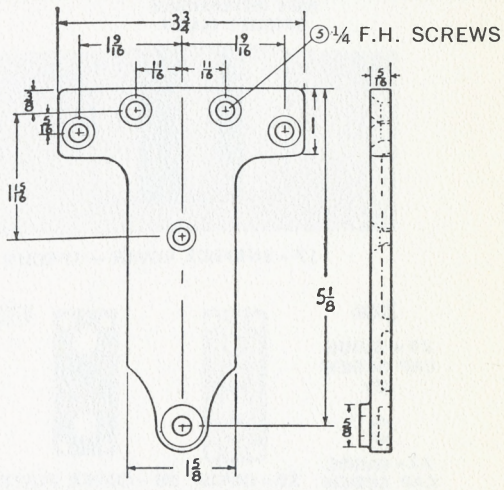


No. P400M-22
For Mounting On Top Stop

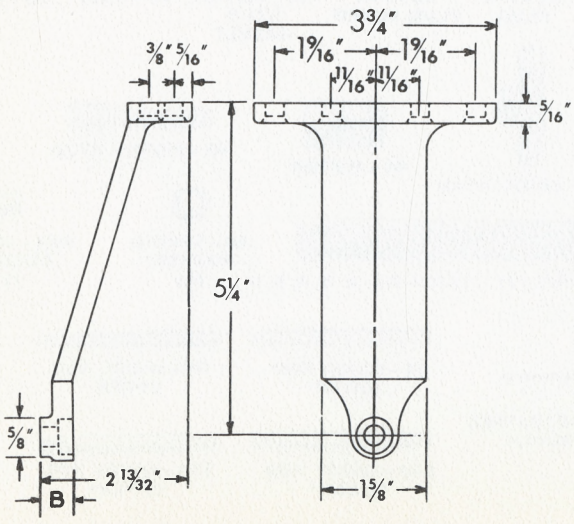
Brackets For Parallel Arm Surface Closers



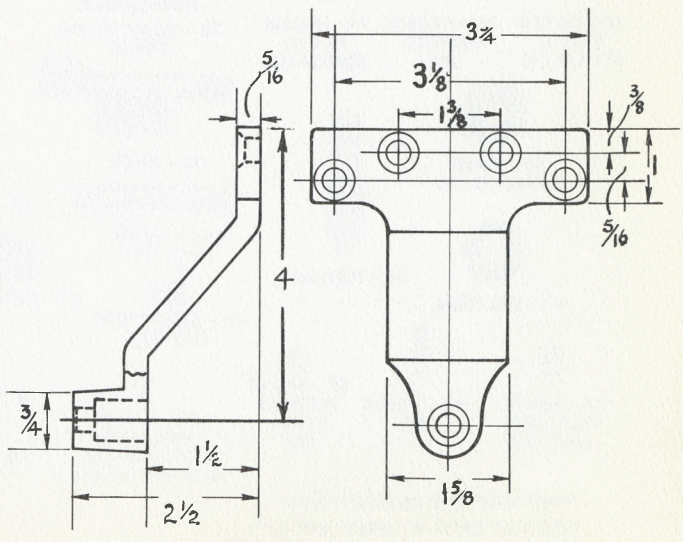
No. P400S-21 Type Of P400 SHF-21
For Mounting On Soffit



No. P400S-22 Type Of P400 SHF-22
For Mounting On Top Stop

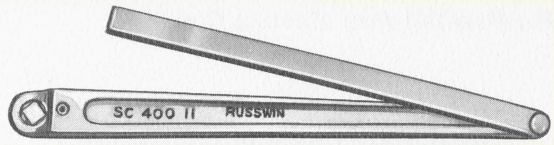


No. P400S-24 Type Of P400 SHF-24
For use when mounting closers in conjunction with flush transoms.



No. P400S-25
For use when mounting closers in conjunction with overhead door holders.

"400"® Door Closer



1A – HOLD OPEN CAM LOCKING SCREW

2 – NO. 11 ARM, COMPLETE, NOT REVERSIBLE
†SPECIFY HAND AND WHETHER REGULAR OR HOLD OPEN

3 – SLIDE LOCKING SCREW

4 – REGULAR ARM WASHER

5 – REGULAR ARM SCREW

6 – HOLD OPEN ARM WASHER

7 – HOLD OPEN ARM SCREW

8 – MORTISE BRACKET AND SLIDE, COMPLETE†

9 – SURFACE BRACKET AND SLIDE, COMPLETE†

10 – WASHER

11 – HOLD OPEN CAM NOT REVERSIBLE SPECIFY HAND

12 – HOLD OPEN PAWL SPECIFY HAND

13 – HOLD OPEN PAWL SCREW

14 – HOLD OPEN ECCENTRIC

15 – REGULAR COVER

16 – COVER SCREW
(2) REGULAR COVER
(4) SURFACE COVER

17 – SURFACE COVER — SPECIFY HAND

18 – HOLD OPEN PAWL SCREW

19 – HOLD OPEN PAWL PLUNGER SPRING

20 – HOLD OPEN PAWL PLUNGER

21 – FILLING PLUG

22 – FILLING PLUG GASKET

23 – GUIDE CAP SCREW (2)

24 – GUIDE CAP SCREW GASKET (2)

25 – COVER PLATE

26 – COVER PLATE GASKET

27 – CASE, NOT REVERSIBLE, SPECIFY HAND

28 – END PLUG

29 – END PLUG GASKET

30 – COVER PLATE SCREW (4)

31 – SCREW GASKET (6)

32 – GUIDE PLATE SCREW (2)

33 – RACK GUIDE PLATE

34 – PIN PLUG

35 – PIN PLUG SCREW

36 – PISTON STUD GASKET

37 – BALL

38 – BALL PIN

39 – BALL BEARING (2)

40 – OIL SEAL

41 – PINION

42 – RACK

43 – CROSS HEAD

44 – PISTON

45 – PISTON STUD

46 – GUIDE ROD CAP (2)

46A – GUIDE NUT (2)*

47 – SPRING (2) . . SIZES NO. 2, 3, 4, 5, 6

48 – SPRING WASHER* (2)

48A – SPRING BUSHING (2)

49 – VALVE PACKING NUT (2)

50 – VALVE (2)

51 – VALVE WASHER STEEL (2)

52 – VALVE PACKING LEATHER (2) SYNTHETIC (4)

53 – ADJUSTING WRENCH

54 – GUIDE ROD LOWER

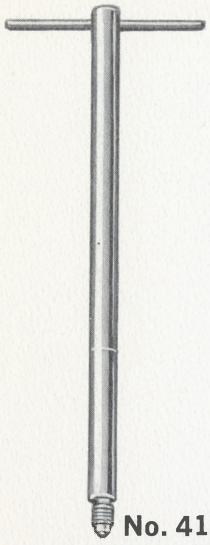
54A – GUIDE ROD LOWER*

55 – GUIDE ROD UPPER

55A – GUIDE ROD UPPER*

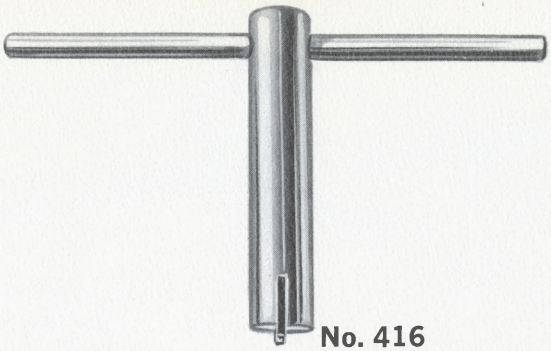
†Furnished only as assemblies.
*Old style parts no longer available.

SPECIFY PART NUMBER, NAME AND SIZE OF CLOSER

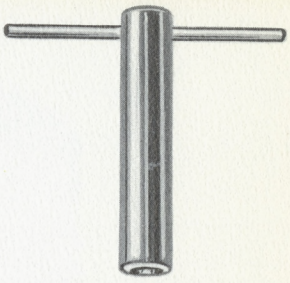


No. 414
Cross Head Guide Tool (Old Style)

No. 415
Cross Head Guide Tool (New Style)

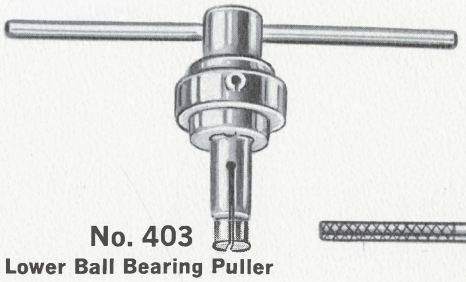


No. 416
Driver For Piston Stud

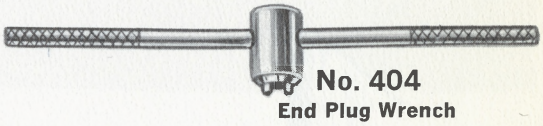


No. 412
Guide Rod Wrench (Old Style)

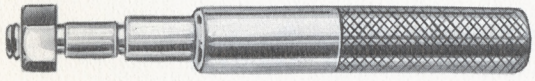
No. 413
Guide Rod Wrench (New Style)



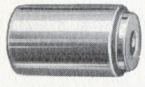
No. 403
Lower Ball Bearing Puller



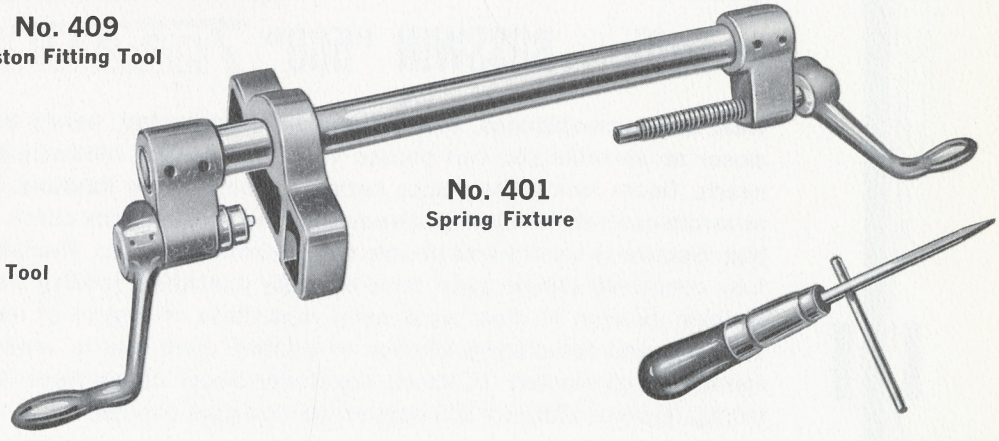
No. 404
End Plug Wrench



No. 409
Piston Fitting Tool



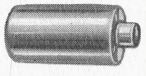
No. 408
Oil Seal Assembly Tool



No. 401
Spring Fixture

No. 410
Driver for Guide Cap Screw

No. 411
Driver for Filler Plug



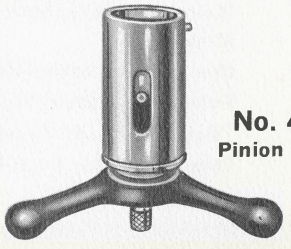
No. 405
Lower Ball Bearing Assembly Tool



No. 406
Upper Ball Bearing Puller

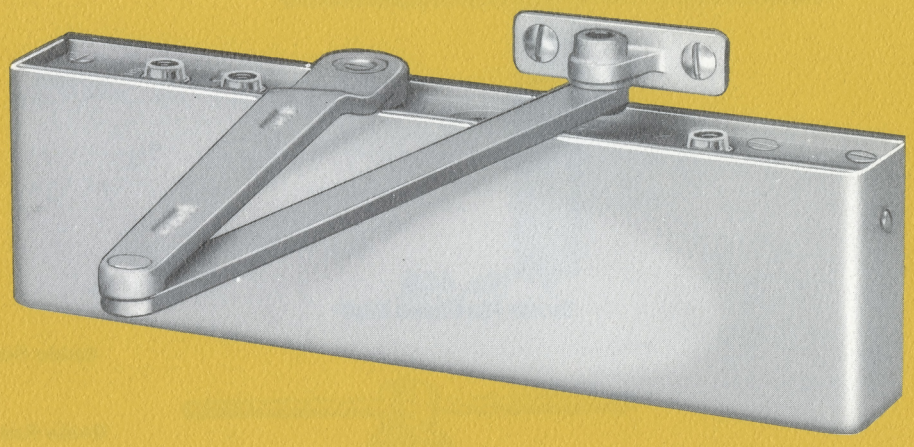


No. 407
Oil Seal Assembly Sleeve



No. 402
Pinion Puller

TOP-RAILER® DOOR CLOSER MARK III





Door Closer that Lets You "Tailor" Door Control to Traffic... RUSSWIN "500" TOP-RAILER® Series

Neat and inconspicuous, even when surface mounted, here's the advanced design closer so versatile you can choose varied application methods to suit your specific needs. Doors look better, close better . . . so do your interiors. Top-Railer provides separate controls for closing speeds, latching speeds, back check and hold-open, with high-frequency service and trouble-free operation assured. Available surface, mortise, fully concealed (single pivot bracket), fully concealed (sliding track type.) Standard uniform location on door application regardless of degree of opening simplifies installation and templating. Chance of location error due to varying degrees of door opening is eliminated. In short: Top-Railer closer offers more door closer for your money, insures efficient 100 percent perfect door control.

Features:

Dual Controls: One valve controls closing action — another controls latching. All valves needle-type . . . noncritical.

Cushioned Backcheck: Separate valve control that cushions door swing, reduces possibility of striking wall.

One Location Installation: Standardized for all degrees of opening regardless of door width.

Full-Range Action: Springs are alloy steel, oil-tempered after winding for longer service life.

"Roll-The-Load" Spindle Mountings: Two needle bearings for friction-resistant shaft support.

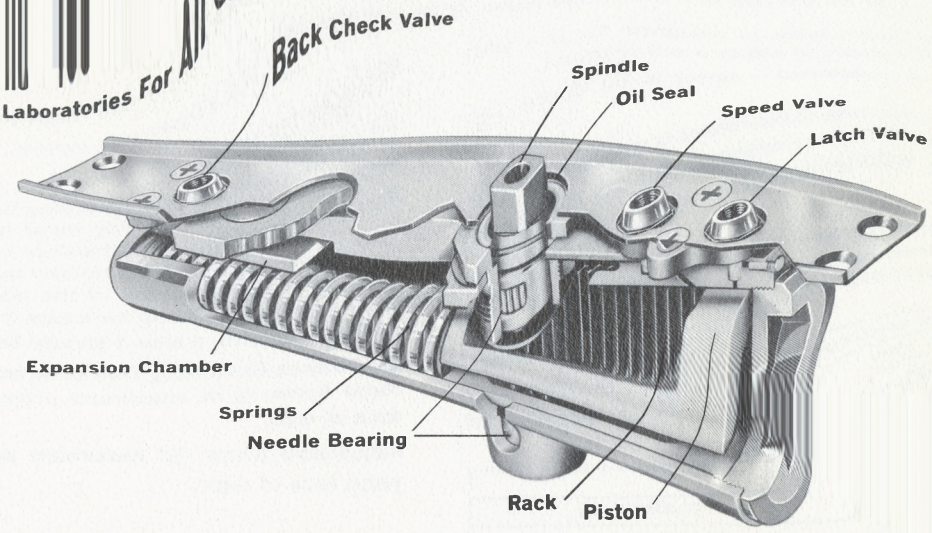
Case Projection From Door 1½ Inches: Screw fastening concealed . . . enhances appearance.

Recommended for Schools, Hotels, Hospitals, Office Buildings and other Commercial Installations.

RUSSWIN

Design Engineered To The "400" Door Closer Standards

Listed By Underwriters Laboratories For All Classes Labeled Doors, Swing Type



Mortise Type Shown

Specifications

Top Mounting Flange: Made of wrought steel, available in three sizes and attached to door with four screws. Size 10 5/16 x 1 3/8 in. (shown above) regularly furnished except for size 4 closers — mortise application with wood doors which take size 13 1/8" x 1 3/8". Size 11 3/4 x 1 3/8 in. can be furnished where replacement of similar top-rail door closers is planned. When this flange is desired, it must be specified by suffixing "-30 flange" to closer number.

Case: Made of cast iron alloy the same as that used in the cylinders of high-pressure hydraulic devices, and machined to extreme accuracy.

Arms: Drop forged for extra strength.

Rack And Piston: Made of precision-machined alloy steel, heat treated. Rack teeth are cut to precise standards. Large piston contact area gives longer life.

Spindle: Machined from a single piece of alloy steel. All shaft surfaces are ground to a high finish. Heat-treated spindle has accurately cut teeth and operates in two needle bearings. Bearing surfaces are induction-hardened.

Springs: Steel springs, heat treated, offer maximum resistance to fatigue and breakage. Oil-tempered after winding to assure longer service life.

Oil Seal: Spring loaded type. Low-friction unit oil seal is virtually leakproof.

Valves: Noncritical valves provide separate, precise control of closing and latching speeds. Tapered tamper-proof valves are used to minimize unauthorized adjustment.

Controlled Backcheck Valve: Takes effect at approximately 70° (for effective back-check, parallel arm, see page 273). Fully adjustable, noncritical — an extra feature that reduces damage to door or walls.

Checking Fluid: High lubricity, low pour-point checking fluid assures smooth operation and long life.

Large Air Chamber: Extra-large air chamber provides for fluid expansion — an additional feature that helps to minimize leakage.

Suggested Specification

Closers shall be of rack and pinion construction with both rack and pinion of heat-treated steel and with a cast hydraulic iron case as made by the Russwin Division.

Closing the door shall be controlled by two independent valves. Closers shall have fully adjustable back check by means of a third valve. Valve shall be keyed against unauthorized tampering and shall be of the needle valve type for ease of adjustment. Closers shall be so designed as to require only one location in or on the door for all openings up to 180°.

If Concealed Type: Closer shall be of the concealed type with exposed arms capable of being installed in a 1 3/4" door.

If Surface Applied Type: Closers shall be surface applied with rectangular cover, projection not over 1 5/8" and capable of being applied on 2" top rail.

Special Applications And Conditions

If special conditions are encountered in any of the types of applications described, they should be referred to the New Britain Office, as well as any problems concerning applications of arms to door frames. The "500" Closer has been adapted for successful application to the surface of doors having top rails of less than 2 inches.

Inquiries should include all information such as width of door and thickness of door, width of stile and top rail, method of hanging the door, hinge clearance, door frame detail, etc.

TOP-RAILER® DOOR CLOSER MARK III

General Information

For Interior Or Exterior Doors Hung On Butts Or Pivot Hinges — Not Reversible — State Hand And Finish Required

packing and weight: 1 per box with both wood and machine screws; 6½ lb. each (sex nuts and through bolts supplied when ordered)

The 500 Series Door Closer is designed for use with interior or exterior doors of either wood or metal.

The mortise — or concealed — closer is for doors 1¾" thick.

Where surface mounting of the closer is desired, mounting brackets and a modern design cover are furnished. Corner bracket application takes size 4 cover for all sizes.

Whether installed mortise or surface the 500 series features both hold-open and non-hold-open functions and ONE MOUNTING LOCATION for all degrees of door opening.

Conforms to Federal Specifications:	
Gov't Type	*RUSSWIN NO.*
3230-I, Style G	*500M-2-R11*
3230-II, Style G	*500M-3-R11*
3230-III, Style G	*500M-4-R11*
3230-III H, Style G	*500MH-4-R11*
3230-II F, Style G	*500M-3-R11F*
3230-III F, Style G	*500M-4-R11F*
3230-I (Mod.)	*500S-1 or 500S-2*
3230-II (Mod.)	*500S-3*
3230-III (Mod.)	*500S-4*
3230-II HO, (Mod.)	*500SH-4*
3230-II F, (Mod.)	*500SHF-4*
3230-II P, (Mod.)	*P500S-4*

Weight Of Door

When ordering closers according to door size limitations listed below, the following must be kept in mind. The actual maximum size of the door recommended for any one closer is largely determined by existing draft conditions and by the weight of the door. For example, if a door is of a size calling for a size 2 closer and is subject to strong drafts, a size 3 should be used.

Conditions Governing Use Of Arms:

Rigid Arms: ⅛ in. maximum projection of trim beyond face of door.

Adjustable Arms: ¾" maximum projection of trim beyond face of door.

Recommended Closer Sizes For Interior And Exterior Doors (7′ Height)

	Interior Door Widths				Exterior Door Widths
Regular Surface* Or Mortise Closer	2′4″	2′8″	3′4″	3′10″	Inswinging — 3′0″ Outswinging — 3′4″
	Size 1	Size 2	Size 3	Size 4	Size 4
Parallel Arm Closer	2′4″	2′8″	3′4″	3′10″	Outswinging — 2′8″
	Size 2	Size 3	Size 4	Not Recommended	Size 4

*Including corner bracket application.

Information Required For Ordering

1. Hand Of Door.

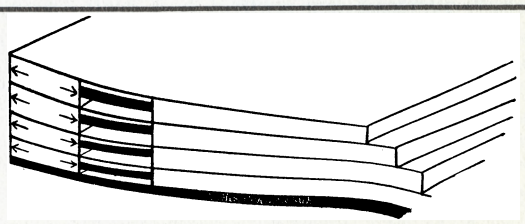
2. Thickness Of Door: Mortise type designed for 1¾ in. doors of wood or metal.

3. Number of Closer:

a. Select basic number, i.e., 500S-size-11.
b. Add size required, i.e., 500S-3-11.

4. Finishes Available:

DBL dull bronze lacquer.
SBL silver aluminum lacquer.
USP prime coat.



One Location In Door

Only one location for all degrees of opening results in important installation economies. The availability of 2 type arms; No. 11 for openings of to 180°, and elbow for openings to 140°, make this possible — NO CHANGE OF CLOSER LOCATION IS NECESSARY.

TEMPORARY CATALOG PAGE 270A

500 SERIES DOOR CLOSER

The following information replaces information listed under "Weight of Door" on page 270. Remove "7' Height" from table on page 270.

FACTORS INVOLVED IN DETERMINING SIZE OF CLOSER REQUIRED

1 - Weight and Height of Door

Doors vary in weight from a light hollow-core wood door to a heavy metal door. Door sizes given in table are based on doors of standard weight and height. Compensation must be made for extra-light and extra-heavy doors and doors of unusual height.

2 - Draft and Wind Conditions

Draft and wind conditions is perhaps the most important factor to consider in determining the size of closer required. Sizes listed in table apply to normal conditions. Stair wells, air conditioning, building construction and location of door can result in strong draft and wind conditions, in which case it would be pertinent to use a larger size Closer than listed.

3 - Location of Closer

The degree of door opening required determines the location of the closer on the door. This factor must also be taken into consideration. Closer sizes listed in table are based on a 110 degree of door opening.

From the above, it is obvious that it is impractical to show in any one table all the conditions that must be considered in determining the proper size closer for a given door. For example, a light hollow core wood door subject to little or no draft may take a smaller size closer than listed - whereas, a similar door subject to unusually strong draft conditions would require a larger size closer than listed.

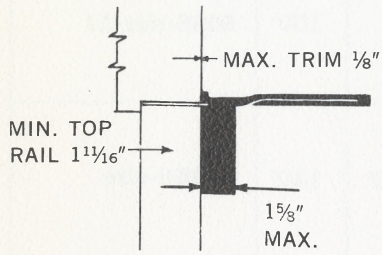
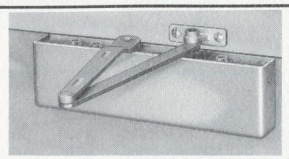
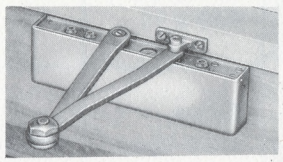
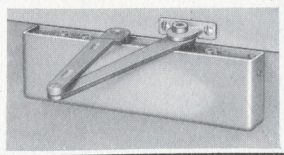
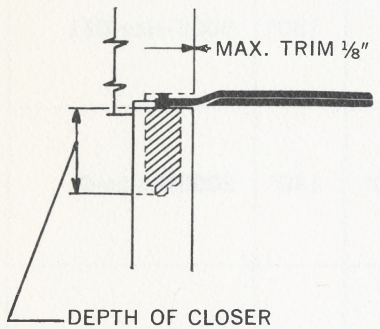
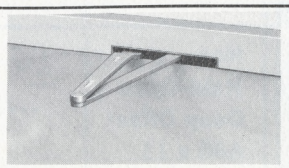
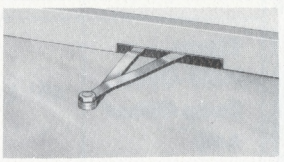
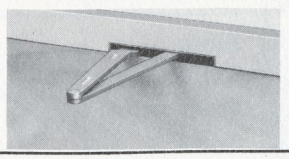
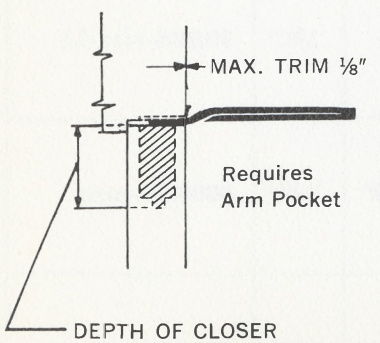
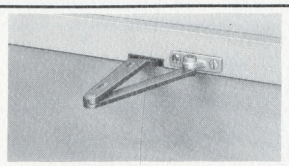
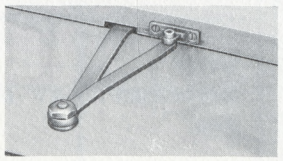
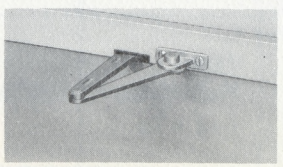
In the final analysis, the common sense of the specifier must be relied on. The table on page 270 is for his use in making his determination- with the understanding that listings are for average weight and height doors operating under normal draft and traffic conditions with Closer located for a 110 degree of door opening.

2/67

RIGID ARMS (⅛″ maximum projection of trim beyond face of door)

For Parallel Arm, see page 273 **For Corner Bracket Installation, see page 274**
For Fusible Link Arm, see page 274

RUSSWIN

Application Conditions	Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Surface Closer x Surface Arm Bracket With ⅛″ Max. Trim. For Trim Over ⅛″ see page 272.					
Rigid Arm 		**Non Hold-Open** R03 x 11	....	180°	**500S-size-R11**
		**Elbow Hold-Open** R09	45°-140°	140°	**500SH-size-R**
		**Jamb Hold-Open** R06 x 11	110°-180°	180°	**500SH-size-R11**
Mortise Closer x Mortise Arm Bracket† Full Mortise Application					
Rigid Arm 		**Non Hold-Open** R01 x 11	....	180°	**500M-size-R11**
		**Elbow Hold-Open** R07	45°-140°	140°	**500MH-size-R**
		**Jamb Hold-Open** R04 x 11	120°-180°	180°	**500MH-size-R11**
Mortise Closer x Surface Arm Bracket*† Arm Exposed Only — With ⅛″ Max. Trim. For Trim Over ⅛″ see page 272.					
Rigid Arm 		**Non Hold-Open** R02 x 11	....	180°	**500MS-size-R11**
		**Elbow Hold-Open** R08	45°-140°	140°	**500MSH-size-R** (not available fusible link)
		**Jamb Hold-Open** R05 x 11	120°-180°	180°	**500MSH-size-R11**

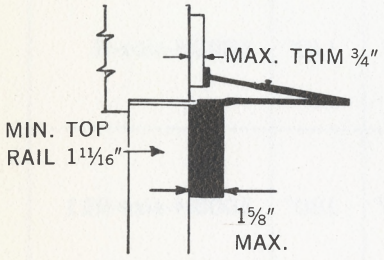
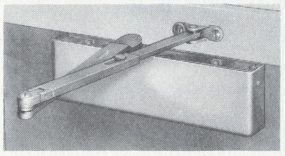
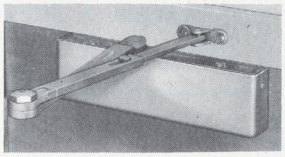
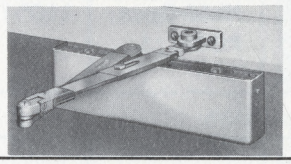
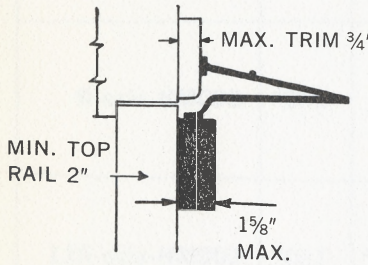
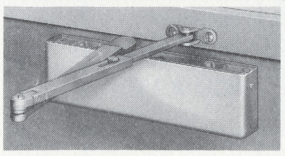
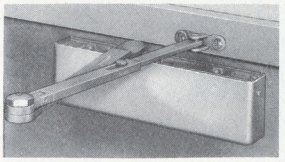
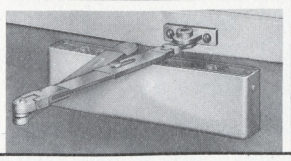
*These closers require arm pocket, page 277; for this application without arm pocket, see page 274.
†Prefix W to number on size 4 closers for wood door application, i.e., W500M-4-R11.

TOP-RAILER® DOOR CLOSER MARK III

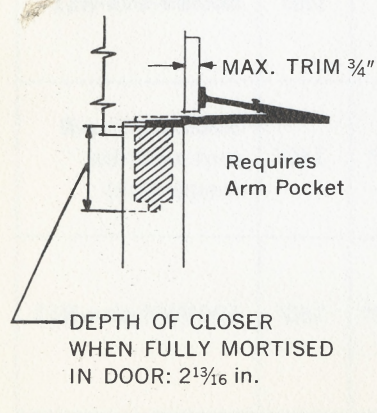
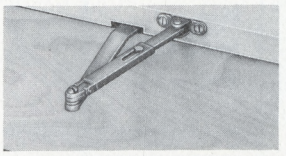
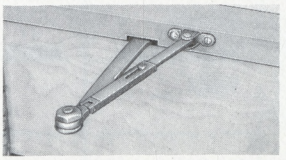
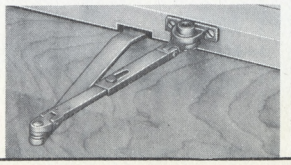
ADJUSTABLE ARMS (¾″ maximum projection of trim beyond face of door)

For Fusible Link, see page 274 For Corner Bracket Application, see page 274.

Surface Closer x Surface Arm Bracket To Accommodate ¾″ Max. Trim.

Application Conditions	Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Adjustable Arm 		**Non Hold-Open** A40 x 11	....	180°	**500S-size-11**
		**Elbow Hold-Open** A44	45°-140°	140°	**500SH-size**
		**Jamb Hold-Open** A42 x 11	110°-180°	180°	**500SH-size-11**
Deep Offset 		**Non Hold-Open Deep Offset** A48 x 11	....	180°	**500S-size-011**
		**Elbow Hold-Open Deep Offset** A46	45°-140°	140°	**500SH-size-0**
		**Jamb Hold-Open Deep Offset** A49 x 11	110°-180°	180°	**500SH-size-011**

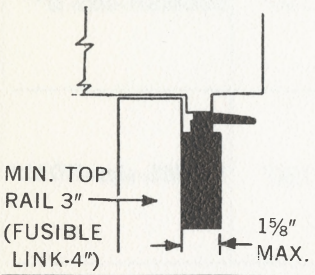
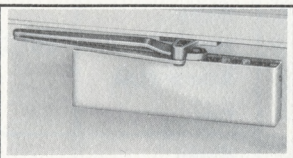
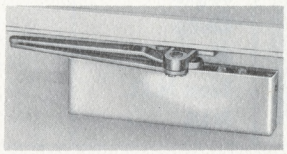
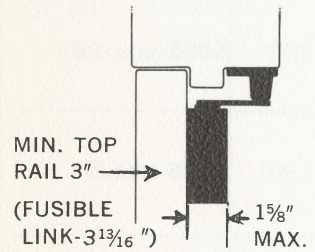
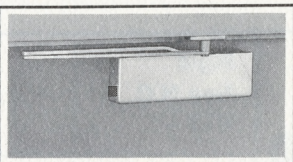
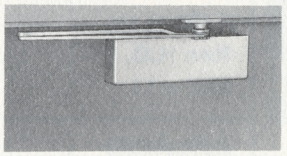
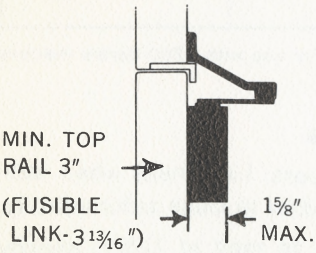
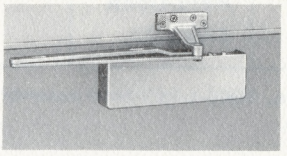
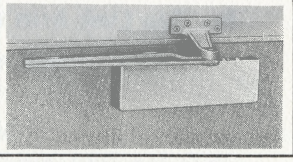
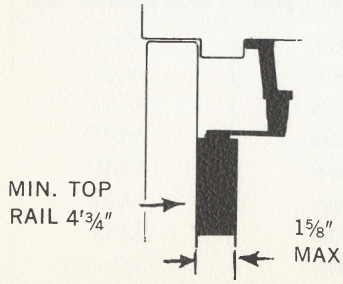
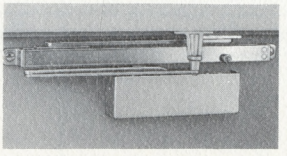
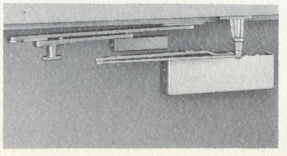
Mortise Closer x Surface Arm Bracket *† Arm Exposed Only — To Accommodate ¾″ Max. Trim.

Application Conditions	Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Adjustable Arm 		**Non Hold-Open** A40 x 11	....	180°	**500MS-size-11**
		**Elbow Hold-Open** A44	45°-140°	140°	**500MSH-size**
		**Jamb Hold-Open** A42 x 11	120°-180°	180°	**500MSH-size-11**

*These closers require arm pocket, page 277; for this application without arm pocket, see page 274.
†Prefix W to number on size 4 closers for wood door application, i.e., W500MS-4-11.

PARALLEL ARM

For Fusible Link Arm, see page 274

Application Conditions	Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Parallel Arm Closer x Stop Arm Bracket					
Rigid Arm 		**Rigid Non Hold-Open** R22 x 11	....	180°	**P500S-size-R11**
		**Rigid Jamb Hold-Open** R24 x 11	45°-180°	180°	**P500SH-size-R11**
Parallel Arm Closer x Soffit Arm Bracket					
Rigid Arm 		**Rigid Non Hold-Open** R23 x 11	....	180°	**P500S-size-R11 x 521**
		**Rigid Jamb Hold-Open** R25 x 11	45°-180°	180°	**P500SH-size-R11 x 521**
Parallel Arm Closer x Flush Transom Arm Bracket					
Rigid Arm 		**Non Hold-Open** R10 x 11	....	180°	**P500S-size-R11 x 510**
		**Jamb Hold-Open** R14 x 11	45°-180°	180°	**P500SH-size-R11 x 510**
Parallel Arm Closer x Overhead Door Holder*					
Rigid Arm 		**Non Hold-Open** R57 x 11	....	110°	**P500S-size-R11 x 517**
		**Non Hold-Open** R58 x 11	....	110°	**P500S-size-R11 x 518**

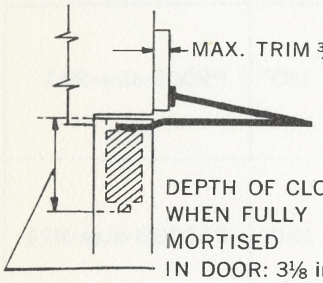
*P500S-size-R11 x 517 for use with 520, 600, 700, 1650 and 2750 Door Holders.
P500S-size-R11 x 518 for use with 521 series Door Holder only. Can be used with other holders but requires ⅜″ deeper top rail.

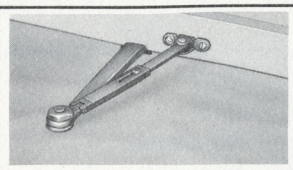
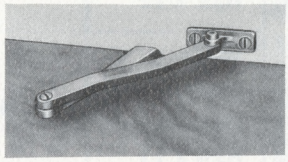
TOP-RAILER® DOOR CLOSER MARK III

Special Applications

Deep Mortise Type — Mortise Closer x Surface Arm Bracket (arm pocket, page 277, not required)

Deep Mortise



Application Conditions	Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Deep Mortise		**Adjustable Deep Mortise Elbow H.O.** A47	45°-140°	140°	**500MSH-size-D***
		**Rigid Deep Mortise Non H.O.** R15	....	180°	**500MS-size-RD11***

*Prefix W to number for wood door application on size 4 closers only, i.e., W500MSH-4-D

Surface Closer On Corner Bracket

Corner Bracket

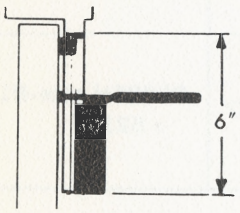
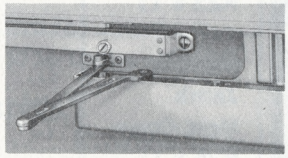
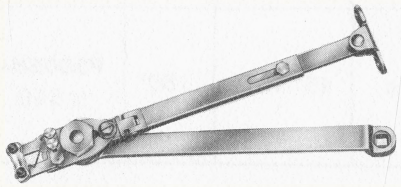


Illustration	Type Hold-Open And Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
	**Rigid Non H.O.** R13	....	180°	**500S-size-RB†**
	Adjustable Non H.O. A48 x 11	....	180°	**500S-size-B**
	Adjustable Jamb Type Hold-Open A49 x 11	85-180°	180°	**500SH-size-B**

†When required to provide back-check at 85°, suffix 9 to number, i.e., 500S-2-RB9 (arm assembly R19). For use with 2750 Series Holders (100° max. opening with butts, 110° max. opening with offset pivots).



Fusible Link Arm Closers

Designed for use on fire doors. Link melts when subjected to 160°F, permitting door to close automatically.

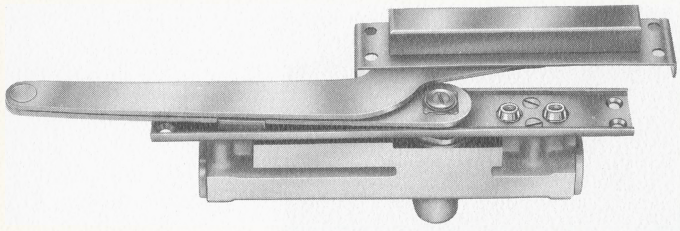
Can be furnished with link to melt at 125°F, specify when required. Available on sizes 2, 3 and 4 closers.

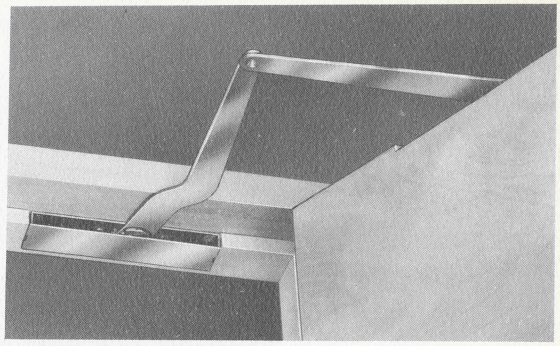
Fusible link available on the following closers: When ordering suffix **F** to closer number.

Closer Number	Description	Type Hold Open	Arm Assem. No.
500SH-size-R	Full surface, rigid arm	Elbow	R09F
500MH-size-R	Full mortise, rigid arm	Elbow	R07F
500SH-size	Full surface, adj. arm	Elbow	A44F
500SH-size-0	Full surface, adj. arm, deep offset	Elbow	A46F
500MSH-size	Mortise x surface, adj. arm	Elbow	A44F
500MSH-size-D	Mortise x surface, adj. arm, deep mortise	Elbow	A47F
500SH-size-B*	Corner bracket application	Elbow	A13F
P500SH-size-11	Full surface, parallel arm, stop bkt.	Jamb	A52F x 11
P500SH-size-11 x 521	Full surface, parallel arm, soffit bkt.	Jamb	A51F x 11
P500SH-size-11 x 510	Full surface, parallel arm, flush transom bkt.	Jamb	A50F x 11

*45° to 140° degree of hold open, 140° degree of door opening.

Fully Concealed Closer — Single Pivot Bracket Type





Features

Complete Concealment Of Arm And Closer When Door Is Closed.

Self-locating arm simplifies installation and saves time.

Only one length arm for all doors opening to 180°.

Minimum amount of cutout in stop (approx. 7 in.) involved for applying arm bracket.

Hold-open may be set for any point 45° to 180°.

Regularly furnished for 5/8" stop, also available for 1/2" stop by suffixing "x 1/2" stop" to number (see ordering chart below).

Specifications (See page 269 for additional specifications.)

Arm: High carbon steel for extra strength, specify hand.

Min. Top Rail: 4 5/16 inches, wood doors.
3 5/16 inches, metal doors.

Hold-Open: Friction jamb type only.

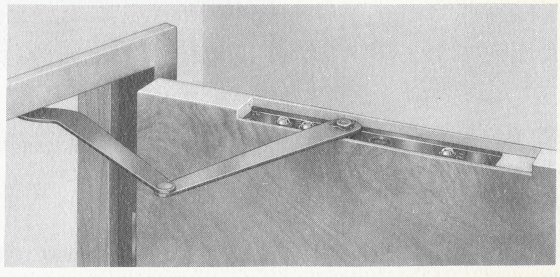
Bracket: Jamb type, both hold-open and non hold-open, specify hand.

Size: Available in sizes 3 and 4 only — see ordering chart below.

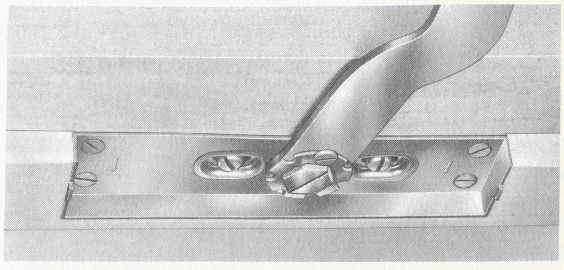
Minimum Width Of Stop: 1 1/2 in. (bracket width, 1 5/8 in.)

Finishes: DBL dull bronze lacquer, SBL silver aluminum lacquer, USP prime coat.

Arm Assembly Numbers: No. C58 — regular, for 5/8" stop.
No. C12 — regular, for 1/2" stop.
No. CH58 — hold-open, for 5/8" stop.
No. CH12 — hold-open, for 1/2" stop.



Cutout required in stop side of door for installation of closer — invisible when door is closed.



Application of bracket to header (hold-open shown).



Clip-on Bracket Cover

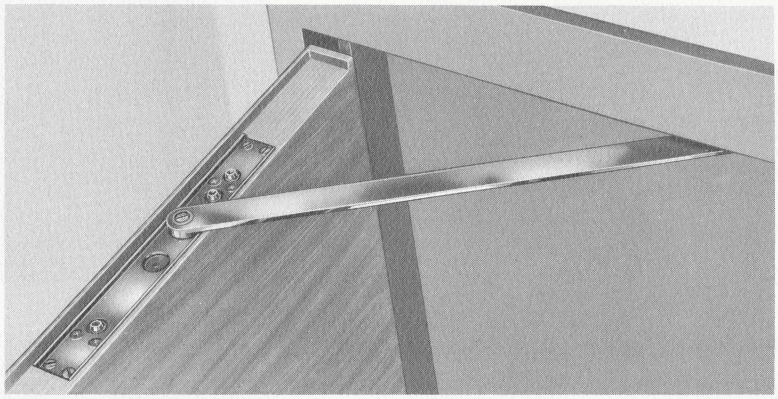
This cover is clipped over bracket after closer is installed and gives a clean, finished appearance to installation — it is shown applied in illustration at top of page.

Closer Number		For Stop, Inches	Maximum Door Size	
Regular	Hold-Open		Interior	Exterior
500C-3	500CH-3	5/8	2′ 6″ x 7′	Not recommended
500C-4	500CH-4	5/8	3′ 0″ x 7′	Inswinging 2′ 6″ x 7′ Outswinging 2′ 10″ x 7′
500C-3 x 1/2″ stop	500CH-3 x 1/2″ stop	1/2	2′ 6″ x 7′	Not recommended
500C-4 x 1/2″ stop	500CH-4 x 1/2″ stop	1/2	3′ 0″ x 7′	Inswinging 2′ 6″ x 7′ Outswinging 2′ 10″ x 7′

FOR WOOD DOOR APPLICATION, SIZE 4 ONLY, PREFIX W TO NUMBER

TOP-RAILER® DOOR CLOSER MARK III

Fully Concealed Closer — Sliding Track Type



Features

Complete Concealment Of Arm And Closer When Door Is Closed.

Only one length arm for all doors opening to 140°.

Hold-open may be set at any of the following points: 90°, 95°, 100°, 105°, 110°, 115°, 120°, 130° and 140°.

26⅝ x 1½ x 5/16 cutout required in stop side of door. Not visible when door is closed.

Arm is handed. Track is reversible.

Specifications: (See page 269 for additional specifications.)

Arm: Cold drawn steel for extra strength, specify hand.

Depth Of Closer When Fully Mortised In Door: 3⅛ in.

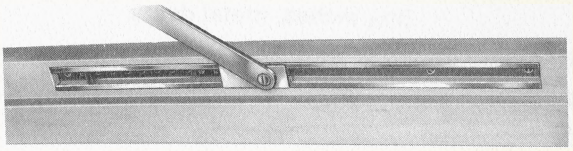
Hold Open: By means of spring clip.

Size: Available in sizes 3 & 4 only, see ordering chart below.

Track: Reversible, mortised into header, size 21⅝ x 1¼ x ⅝ in.

Bronze plated for DBL and USP finishes, cadmium plated for SBL finish.

Finishes: DBL dull bronze lacquer, SBL silver aluminum lacquer, USP prime coat.



View showing track mortised into header — invisible when door is closed. Mortised in frame on center line of door. Does not require frame beyond door line.

Closer Number		Maximum Door Size	
Regular	Hold-Open	Interior	Exterior
500CT-3	500CTH-3	2′6″ x 7′	Not recommended
500CT-4	500CTH-4	3′0″ x 7′	Not recommended

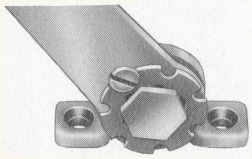
FOR WOOD DOOR APPLICATION, SIZE 4 ONLY, PREFIX W TO NUMBER

Hold-Open Devices

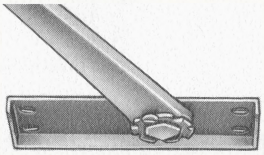
Jamb Type

110° — 180° opening on full surface.

120° — 180° opening on mortise and mortise x surface.



Surface Application

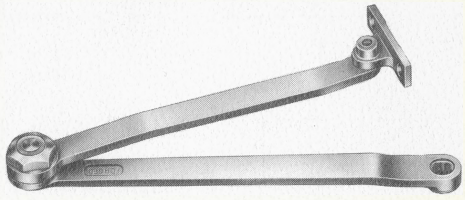


Mortise Application

This unique friction-type hold-open may be used on door openings up to 180° (for hold-open points less than 120° an elbow hold-open must be used). Located at the jamb this hold-open is quickly set by a hexagon head threaded stud and secured by an exclusive, notched locking dial which provides a wide range of hold-open point selection.

Elbow Type

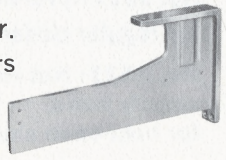
45° to 140° opening.



This versatile friction hold-open provides hold-open point 45° to 140°. Located at the elbow, it is easily set to the desired position by a threaded hexagon nut.

No. 528 Corner Bracket

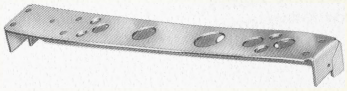
Corner bracket for mounting closer. (Reversible). For use with closers 500S-size-RB, 500S-size-B, 500SH-size-B only. Overall size: 12½ x 6¾ in.



When converting a closer for corner bracket application, the 516 mounting bracket (at right) must be opposite hand to that of closer, i.e., RH door takes RH mounting bracket, LH closer.

Surface Application Mounting Bracket

No. 515
For Sizes 1, 2, 3

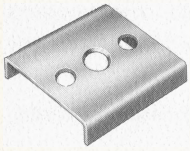


No. 516
For Size 4*
Reversible.

When ordering for use with parallel arm or corner bracket application, use hand of bracket opposite to that of closer, i.e.; CORNER BRACKET — RH door takes RH bracket, LH closer. PARALLEL ARM — RH door takes LH bracket, RH closer.

*Also used with closer sizes 1, 2 and 3 for corner bracket application.

Arm Pocket



This pocket is used only on mortise closer x surface bracket application. It is mortised into head jamb to provide clearance for arm. Not required with deep mortise closers 500MSH-size-D, 500MS-size-RD11, page 274.

Cover For Surface Application



Cover dimensions: Sizes 1, 2, 3: projection 1⅝″; height 2 15/16″; length 9 11/16″.

Size 4: projection 1⅝″; height 2 15/16″; length 12″. (Also required for closer sizes 1, 2 and 3 on corner bracket application.)

Back Plate For Surface Application Closers



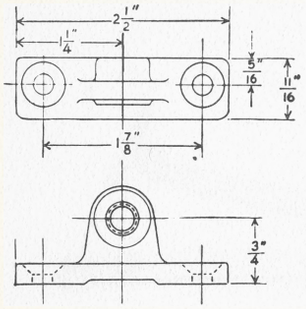
No. 503
For Sizes 1, 2, 3

No. 504
For Size 4

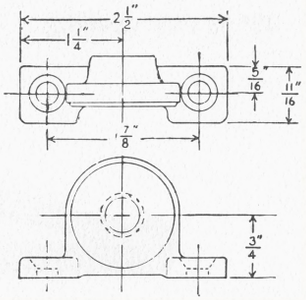
Furnished only when ordered. Used where closer would be visible from the back, i.e., glass doors with narrow top rails.

TOP-RAILER® DOOR CLOSER MARK III

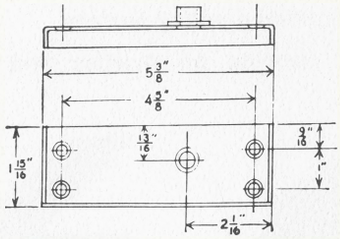
Door Closer Arm Brackets



No. 519 Surface bracket for regular closers. Reversible.



No. H519 Surface bracket for jamb hold-open closers. Not reversible.



No. 520 Mortise bracket for regular closers. Not reversible.

No. H520 Mortise bracket for jamb hold-open closers. Not reversible.

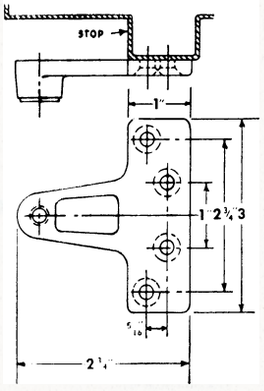
Parallel Arm Stop Bracket No. 522

Type Of H522

REGULARLY FURNISHED

No. 522: Reversible for regular closers.

No. H522: Not reversible, specify hand, for hold-open closers.

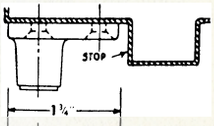


Parallel Arm Soffit Bracket No. 521

Type Of H521

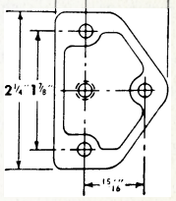
FURNISHED ONLY WHEN ORDERED

Order by suffixing "x 521" or "x H521" to door closer or arm assembly number.



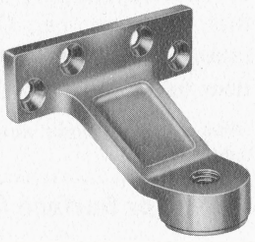
No. 521: Reversible, for regular closers.

No. H521: Not reversible, specify hand, for hold-open closers.



Flush Transom Bracket

(Jamb Hold-Open Type Shown)

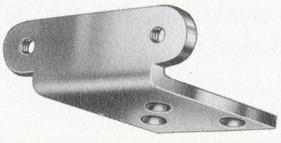


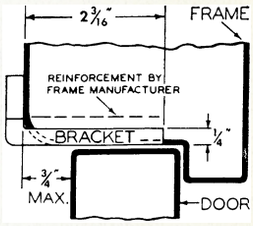
No. 510 For non hold-open.

No. H510 For jamb hold-open.

For use when applying parallel arm closers in connection with flush transoms. Size: 3½ x 1 inch. Projection: 3 inches (3¼ in. jamb hold-open type).

Mortise Soffit Plate Arm Bracket No. 539





For use where it is undesirable to cut trim for application of arm bracket, such as bull nose frames, etc. Available for use with all adjustable arm closers except jamb hold-open type. Suffix "x 539" to closer number when ordering.

Check template for minimum top rail requirements, when using this bracket.

Drop Plate Brackets

No. 583 For regular parallel arm closers, sizes 1, 2, 3.

No. 583F For fusible parallel arm closers, sizes 1, 2, 3.

No. 584 For regular parallel arm closers, size 4.

No. 584F For fusible parallel arm closers, size 4.

For use on narrow top rails.

Min. Top Rail: 1½" for No. 521 arm bracket.
1¾" for No. 522 arm bracket.
3 5/16" for No. 518 arm bracket.

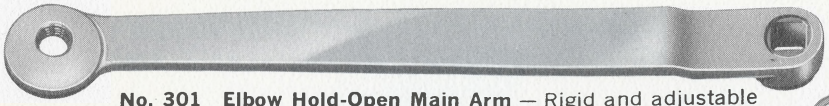
(Not recommended for use with No. 517 bracket)

Parts For 500 Series Top-Railer Door Closers

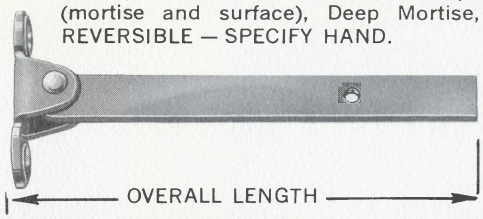
External parts only are listed here. For any other repairs, the entire closer should be shipped to our Clarksdale, Mississippi plant.

RUSSWIN

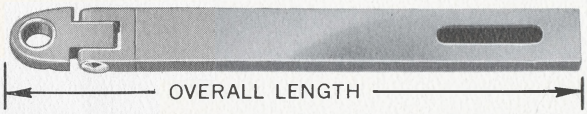
Rigid arm sub-assemblies may be ordered from arm assembly numbers given on pages 271 to 274. Brackets are shown on page 278.



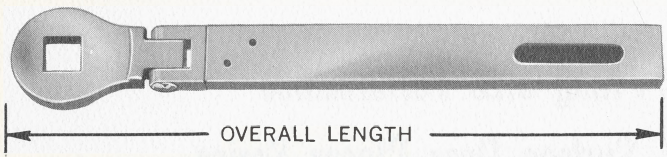
No. 301 Elbow Hold-Open Main Arm — Rigid and adjustable arms (also used in elbow fusible arms). Applications: Regular (mortise and surface), Deep Mortise, Deep Offset. NOT REVERSIBLE — SPECIFY HAND.



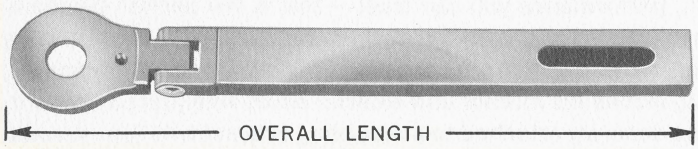
No. 302 Adjustable-universal slide and bracket sub-assembly. Specify "overall length" when ordering. Lengths available: 5 3/16, 5 3/4, 6 3/16, 7 3/4, 5 and 9 inches.



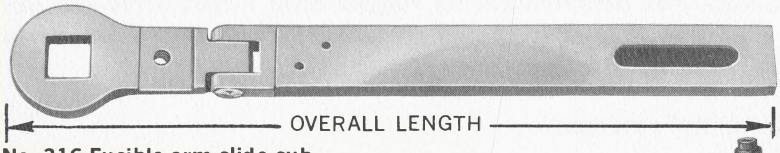
No. 306 Yoke and arm tube sub-assembly. Specify "overall length" when ordering. Lengths available: 5 3/4 and 7 5/16 inches.



No. 310 Adjustable elbow hold-open slide sub-sasembly. Specify "overall length" when ordering. Lengths available: 6 5/8 and 8 3/16 inches.



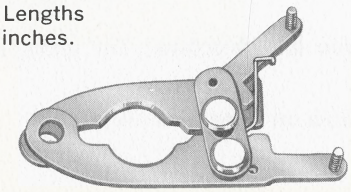
No. 313 Jamb hold-open slide sub-assembly. Specify "overall length" when ordering. Lengths available: 6 5/8 and 8 3/16 inches.



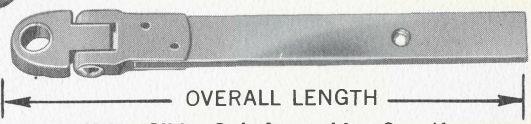
No. 316 Fusible arm slide sub-assembly. Specify "overall length" when ordering. Lengths available: 7 3/16 and 8 3/4 inches.



No. 315 Screw for fusible link mechanism.



No. 314 Fusible link mechanism.



No. 305 Yoke Slide Sub-Assembly. Specify "overall length" when ordering. Lengths available: 5 3/4, 6 3/4 and 8 inches.



No. 303 Jamb hold-open bracket screw. NOT REVERSIBLE — SPECIFY HAND.



No. 304 Arm slide screw — used on adjustable arms.



No. 307 Hold-open washer. Specify "steel" or "brass". Steel: Used on non hold-open concealed arm. Brass: Used on all hold-open arms.



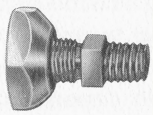
No. 308 Jamb hold-open dial — used on all jamb hold-open arms except fusible.



No. 309 Jamb hold-open dial screw — used on all jamb hold-open arms except fusible.



No. 311 Stud and nut — for regular elbow hold-open. NOT REVERSIBLE — SPECIFY HAND.



No. 312 Stud and nut — for fusible elbow hold-open. NOT REVERSIBLE — SPECIFY HAND.

No. 312P Same as above except different length — for jamb hold-open parallel arm.



No. 317 Spacer for fusible link — assembled below link.



No. 318 Spacer for fusible link — assembled below link.



No. 319 Nut for fusible link — 2 required — assembled above link.

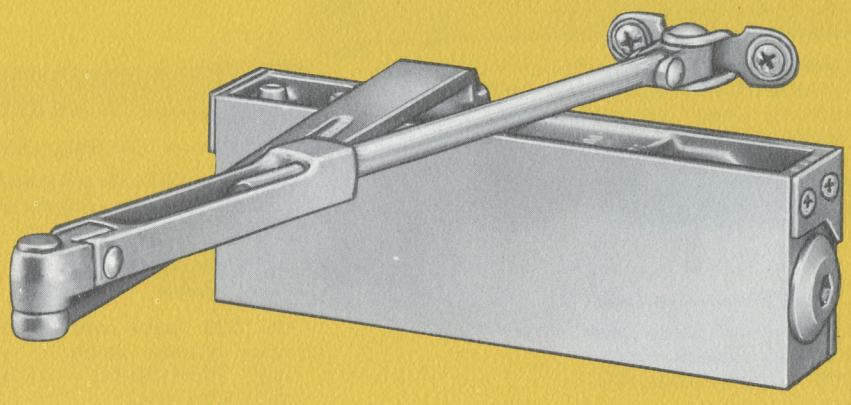
No. 320 Fusible link. Specify whether for 160 or 125 degrees Fahrenheit (160 degrees regularly furnished).



No. 321 Rigid arm bracket screw. Specify "regular" or "concealed" arms.

SPECIFY PART NUMBER, HAND AND LENGTH WHEN REQUIRED AND FINISH

"600"® Door Closer





Pint-Size Package . . . King-Size Performance in RUSSWIN "600" Surface Door Closer Series

Economy you can count on, performance you can trust — this is the perfect combination Russwin engineers have insured in the "600" door closer. Designed for mounting on interior or exterior doors of either wood or metal, "600" is amazingly compact; overall size $8\frac{5}{16}$ x $2\frac{11}{16}$ x $1\frac{1}{2}$ inches fits interior and exterior doors with just one mounting location and is easily and securely attached to a mounting bracket with four screws. And to prove that good closers can come in pint-size packages, basic construction qualities have been incorporated into the unit making it an outstanding door closer with dependable, trouble-free performance. Its rugged drop forged arms add unquestionable door closing muscle while special non-critical valves provide separate and precise control of closing and latching speeds.

"600" Door Closer also Features:

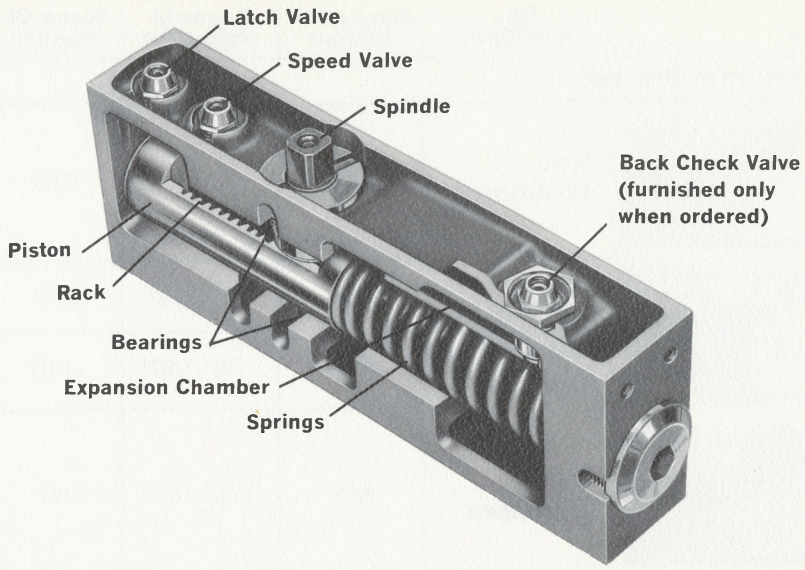
Heat-Treated, Oil Tempered Steel Springs: Provides maximum resistance to fatigue and breakage.

Precision-Machined Rack and Pinion Construction: For extra strength, extra long trouble-free service.

Fully Adjustable Backcheck: (Available on special order).

Recommended for Use in Schools, Churches, Hotels, Municipal Buildings, etc.

Listed By Underwriters Laboratories For All Classes Labeled Doors, Swing Type
Not Reversible, Specify Hand



Specifications

Mounting Bracket: Made of wrought steel, attached to door with four screws. Size $8\frac{5}{16}$ x $2\frac{11}{16}$ in. regularly furnished except for size 4 closers which take mounting bracket No. 516 (12 x 1½ in.). See page 284.

Case: Made of cast iron alloy and machined to extreme accuracy.

Arms: Drop forged for extra strength, adjustable, deep offset.

Rack And Piston: Made of precision-machined alloy steel, heat treated. Rack teeth are cut to precise standards. Large piston contact area gives longer life.

Spindle: Machined from a single piece of alloy steel. All shaft surfaces are ground to a high finish. Heat-treated spindle has accurately cut teeth.

Springs: Steel springs, heat treated, offer maximum resistance to fatigue and breakage. Oil-tempered after winding to assure longer service life.

Oil Seal: Low-friction "O" ring is virtually leakproof.

Valves: Noncritical valves provide separate, precise control of closing and latching speeds. Socket valves are used to minimize unauthorized adjustment. Valve packing nut is staked to prevent accidental removal of valve beyond seal.

Controlled Backcheck Valve: Takes effect at approximately 70°, except on parallel arms. Fully adjustable, noncritical — an extra feature that reduces damage to door or walls. Furnished only when ordered. Prefix BC to closer number.

Checking Fluid: High lubricity, low pour-point checking fluid assures smooth operation and long life.

Large Air Chamber: Extra-large air chamber provides for fluid expansion — an additional feature that helps to minimize leakage.

Overall Closer Size: $8\frac{5}{16}$ x $2\frac{11}{16}$ x 1½ inches.

Min. Top Rail:
Regular — $1\frac{5}{8}$" (top of door to bottom of closer, 3").

Parallel Arm — $3\frac{13}{16}$" for ½ in. stop, $3\frac{15}{16}$ for ⅝ in. stop (top of door to bottom of closer: $5\frac{3}{16}$" for ½ in. stop, $5\frac{5}{16}$" for ⅝ in. stop).

Conforms to Federal Specifications:

Gov't Type	*RUSSWIN NO.*
3230-I (Mod.)	*600-1 or 600-2*
3230-II (Mod.)	*600-2 or 600-3*
3230-III (Mod.)	*600-3 or 600-4*
3230-II HO (Mod.)	*600H-2-0 or 600H-3-0*
3230-II F (Mod.)	*600H-2-F or 600H-3-F*
3230-II P (Mod.)	*P600-2 or P600-3*

Suggested Specification

Closers shall be of rack and pinion construction with both rack and pinion of heat-treated steel and with a cast hydraulic iron case as made by the Russwin Division.

Closing the door shall be controlled by two independent valves. Closers shall have fully adjustable back check by means of a third valve. Valve shall be keyed against unauthorized tampering and shall be of the needle valve type for ease of adjustment.

Closers shall be so designed as to require only one location on the door for all openings up to 180°.

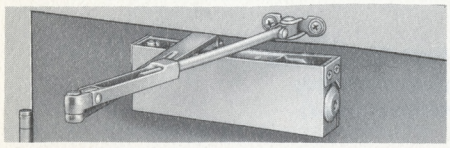
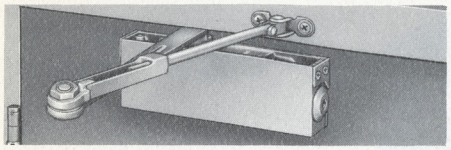
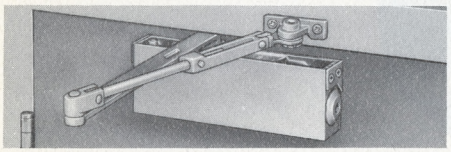
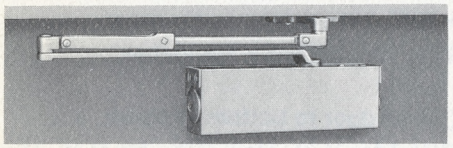
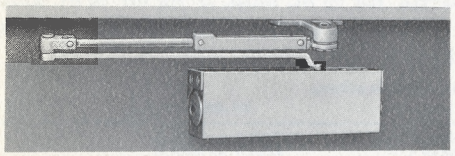
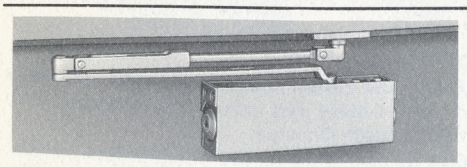
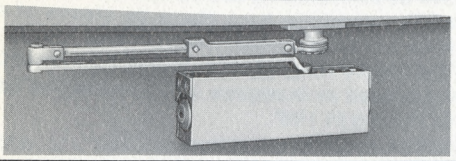
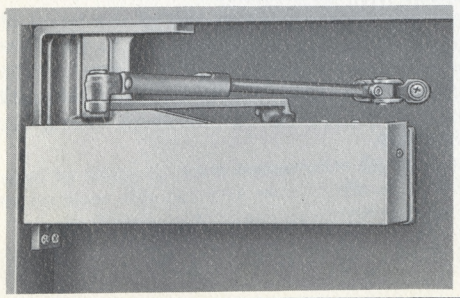
Closers shall be surface applied, projection not over $1\frac{5}{8}$" and capable of being applied on 2" top rail.

Special Applications And Conditions

If special conditions are encountered in any of the types of applications described, they should be referred to the New Britain Office, as well as any problems concerning applications of arms to door frames. The "600" Closer has been adapted for successful application to the surface of doors having top rails of less than 2 inches.

Inquiries should include all information such as width of door and thickness of door, width of stile and top rail, method of hanging the door, hinge clearance, door frame detail, etc.

"600"® Door Closer

Illustration	Type Hold-Open	Arm Assem. Number	Degree Of Hold-Open	Degree Of Opening	CLOSER NUMBER
Surface Closer x Surface Arm Bracket					
	**Non Hold-Open**	A68	....	180°	**600-size**
	**Elbow Hold-Open**	A66	45°-140°	140°	**600H-size-0**
	Fusible Elbow Hold-Open	A66F	45°-140°	140°	**600H-size-F**
	**Jamb Hold-Open**	A69	110°-180°	180°	**600H-size**
Parallel Arm Closer x Stop Bracket					
	**Non Hold-Open**	A60	....	180°	**P600-size**
	**Jamb Hold-Open**	A62	45°-180°	180°	**P600H-size** (suffix F for fusible link arm)
Parallel Arm Closer x Soffit Bracket					
	**Non Hold-Open**	A63	....	180°	**P600-size x 621**
	**Jamb Hold-Open**	A61	45°-180°	180°	**P600H-size x 521** (suffix F for fusible link)
Surface Closer x Corner Bracket (size 4 closer only) *					
	**Non Hold-Open**	A68	....	180°	**600-4-B**
	Jamb Type Hold-Open	A69	85°-180°	180°	**600H-4-B**
	Fusible Elbow Hold-Open	A66F	45°-140°	140°	**600H-4-BF**

* When required to be mounted in conjunction with overhead door holders, specify "x 528B-38", as special block is required which we will furnish. Maximum degree of opening when closer is mounted with overhead door holder is 110°.

Back Check: Back check furnished only when ordered prefix BC to number, i.e., BC600-1, etc.

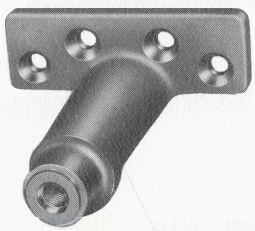
Finishes: DBL — dull bronze lacquer.
SBL — silver aluminum lacquer.
FBL — flat black lacquer.
USP — prime coat (for paint).

Door Size Listing:

Closer Size		For Interior Doors* (7′ Height)
Regular	Parallel	
1	2	2′4″
2	3	2′8″
3	4	3′4″
4	—	3′10″

*For exterior doors use size 4 closer only:
Regular closer for doors 3′ 0″ inswinging, 3′ 4″ outswinging.
Parallel arm closer for doors 2′ 8″ outswinging.

Deep Offset Angle Bracket
No. 617



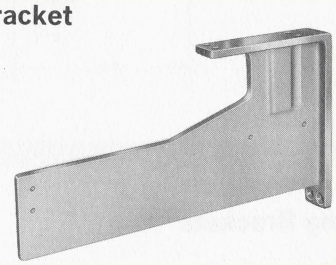
For use when mounting parallel arm closers in conjunction with overhead door holders. When ordering, suffix "x 617" to closer number.

Degree Of Opening: 110°.

Min. Top Rail: 4¾ in. (6 in. if closer is not to show below top rail).

Arm Assembly Number: A67.

Corner Bracket
Reversible
No. 528

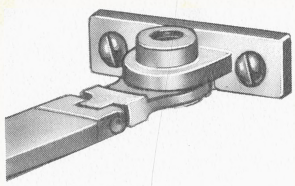


For size 4 closers only.

Overall size: 12½ x 6¾ in.

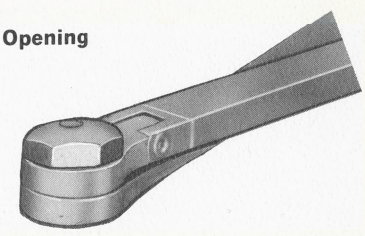
When attaching a closer for corner bracket application, the 516 mounting bracket, must be opposite hand to that of closer, i.e., RH door takes RH mounting bracket, LH closer.

Hold-Open Devices
Jamb Type
Up To 180° Opening



This unique friction-type hold-open may be used on door openings to 180°. Hold-open point from 110° to 180°. Located at the jamb this hold-open is quickly set by a hexagon head threaded stud and secured by an exclusive, notched locking dial which provides a wide range of hold-open point selection.

Elbow Type
Up To 140° Opening



This versatile friction hold-open provides any hold-open point from 45° to 140°. Located at the elbow, it is easily set to the desired position by a threaded hexagon nut.

"600"® Door Closer

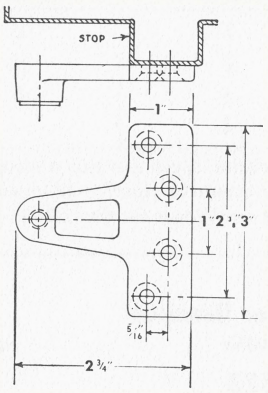
Reg. U.S. Pat. Off.
Marca Registrada

Parallel Arm Brackets

Stop Bracket No. 622
Type Of H522
REGULARLY FURNISHED

No. 622: Reversible for regular closers.

No. H522: Not reversible, specify hand, for hold-open closers

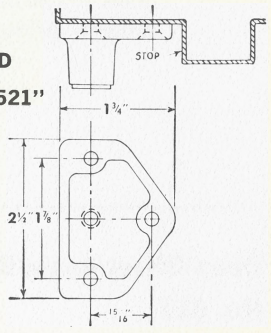


Soffit Bracket No. 621
Type Of H521
FURNISHED ONLY WHEN ORDERED

Order by suffixing "x 621" or "x H521" to door closer number.

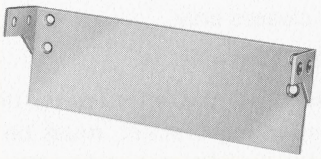
No. 621: Reversible for regular closers.

No. H521: Not reversible, specify hand, for hold-open closers.



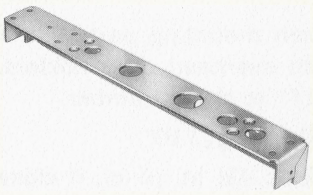
Closer Mounting Brackets

No. 158F72
For Sizes 1, 2, 3



Reversible. Furnished regularly with closer sizes 1, 2, 3.

No. 516
For Size 4



Reversible.

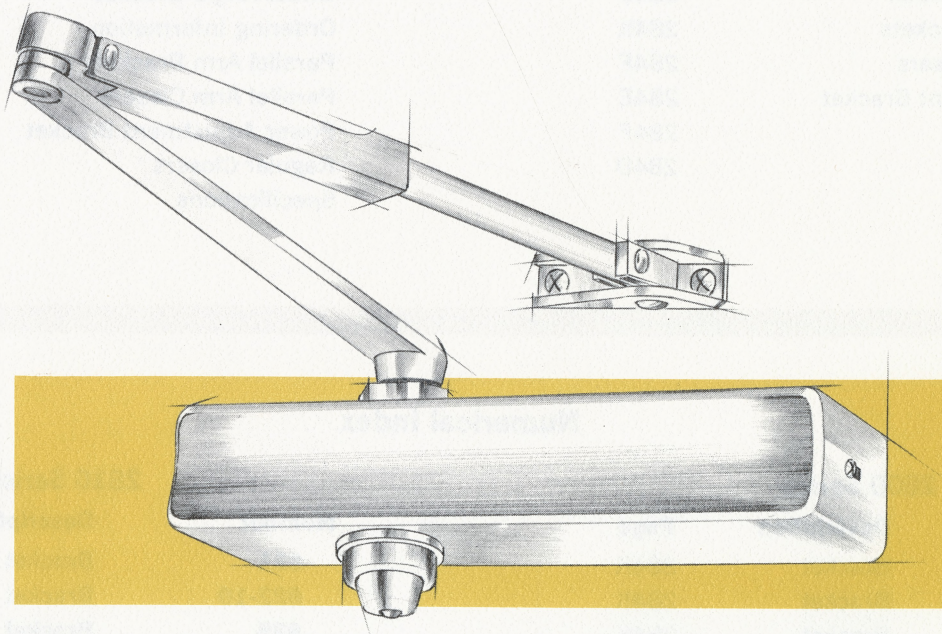
When ordering for use with corner bracket application, closer will be supplied with hand of bracket opposite to that of closer. (RH closer uses LH surface mounting bracket.)

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

12A

RUSSWIN®

2800 and 2810 SERIES DOOR CLOSERS



2800 and 2810 SERIES DOOR CLOSERS

Alphabetical Index

2800 Series

Description	Page
Backcheck	284D
Brackets	284K
Construction	284D
Corner Bracket	284K
Covers	284D
Delayed Action	284E
Door Size Chart	284E
Drop Plate Bracket	284K
Finishes	284E
Flush Transom Bracket	284K
Fusible Link Closers	284F
Offset Angle Bracket	284K
Ordering Information	284E
Parallel Arm Brackets	284K
Parallel Arm Closers	284F
Power Adjustment Bracket	284E
Regular Closers	284F
Specifications	284D

2810 Series

Description	Page
Adjustable Spring Power	284J
Backcheck	284H
Brackets	284K
Construction	284H
Corner Bracket	284K
Covers	284H
Delayed Action	284I
Door Size Chart	284I
Drop Plate Bracket	284K
Finishes	284I
Flush Transom Bracket	284K
Fusible Link Closers	284J
Offset Angle Bracket	284K
Ordering Information	284I
Parallel Arm Brackets	284K
Parallel Arm Closers	284J
Power Adjustment Bracket	284I
Regular Closers	284J
Specifications	284H

Numerical Index

2800 Series

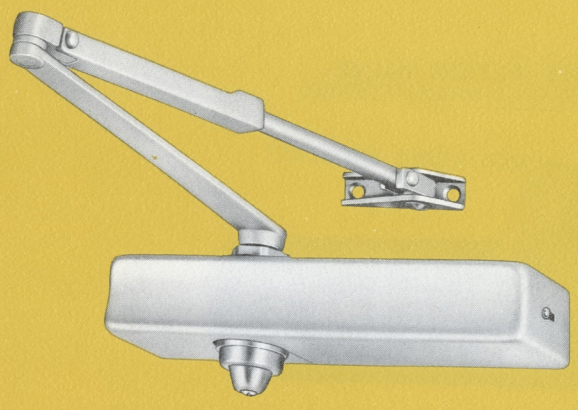
Number	Description	Page
821	Bracket	284K
822	Bracket	284K
825	Bracket	284K
826	Bracket	284K
828	Bracket	284K
2800-SIZE	Closer	284F
P2800-SIZE	Closer	284F
2800H-SIZE	Closer	284F
2800H-SIZE-F	Closer	284F
P2800H-SIZE	Closer	284F
P2800H-SIZE-F	Closer	284F

2810 Series

Number	Description	Page
821	Bracket	284K
822-10	Bracket	284K
825	Bracket	284K
826	Bracket	284K
828-10	Bracket	284K
2810-SIZE	Closer	284J
P2810-SIZE	Closer	284J
2810H-SIZE	Closer	284J
2810H-SIZE-F	Closer	284J
P2810H-SIZE	Closer	284J
P2810H-SIZE-F	Closer	284J

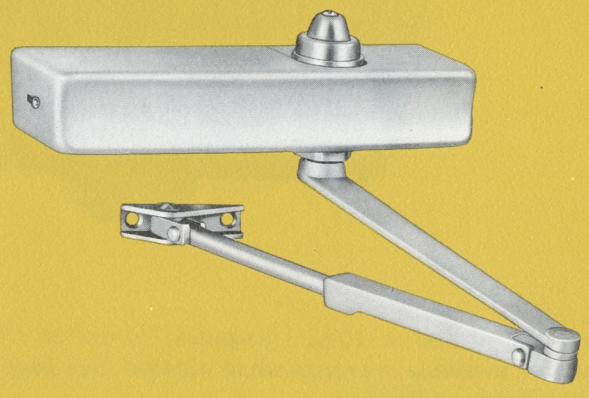
2800 SERIES DOOR CLOSER

RUSSWIN



mounting on the door

inverted on the top jamb





Tamper-Proof Construction . . . Versatile Door-Closing Control

RUSSWIN 2800 Series DOOR CLOSER

Here's a brand new surface closer highlighting an advanced concept in door closer application. The closer unit in Russwin 2800 series is completely concealed by a specially designed cover that assures continuous tamper-proof operation. The non hold-open closers in this series are regularly furnished with power adjustment arm bracket which may be mounted to supply normal closing power — or reversed to supply a minimum of 15% greater closing power.

Closers can be regularly mounted on the door (right or left hand) or inverted on the top jamb. Top jamb mounting eliminates the need for a corner bracket in situations where a corner bracket might otherwise be required.

Universal type—not handed (except Fusible Link and Delayed Action closers.)

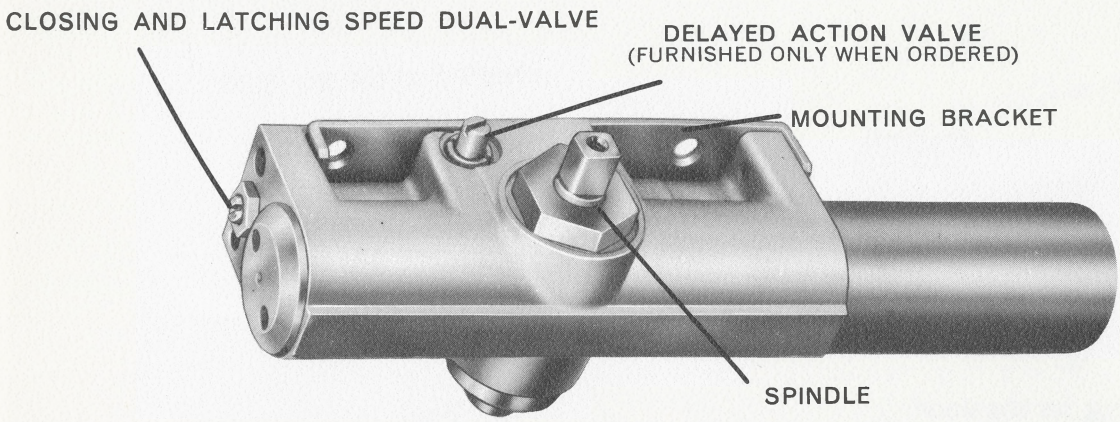
Mounting Screws: only four required and they are completely concealed by the closing cover.

Recommended for Schools, Hospitals, Office Buildings and other Commercial Installations.

2800 SERIES DOOR CLOSER

Universal — Not Handed*

Full Rack And Pinion Construction



Cover: 1¾" x 2¾" x 10$^{3}/_{16}$". Regularly furnished in aluminum, available in bronze when ordered. See page 284E for listing of finishes.

Case: Cast iron alloy the same as used in the cylinders of high-pressure hydraulic devices — machined to extreme accuracy.

Adjustable Arms: One length for all applications, hold-open and non hold-open closers. Drop forged steel and wrought parts for extra strength.

Rack and Piston: One-piece precision-machined alloy steel, heat treated — Rack teeth are cut to precise standards — Large piston contact area gives longer life.

Spindle: Machined from a single piece of high-tensile alloy steel — All shaft surfaces are ground to a high finish — Heat treated spindle has accurately cut teeth and operates in two needle bearings — Bearing surfaces are precision ground and induction hardened.

Springs: High-tensile steel springs, heat treated, offer maximum resistance to fatigue and breakage — Oil-tempered after winding to assure longer service life.

Oil Seal: "O" Rings — Low friction unit oil seal is virtually leakproof.

Valves: Needle-type noncritical valves with "O" ring seals. Separate, precise control of closing and latching speeds provided.

Controlled Backcheck Valve: Fully adjustable, non-critical — an extra feature to avoid damage to door or walls. Regular closers: takes effect at approx. 70°. Parallel arm closers: takes effect at approx. 140°. Furnished only when ordered (prefix BC to number).

Checking Fluid: High lubricity, low pour-point checking fluid assures smooth operation and long life. One type fluid used for all size closers — interior or exterior doors.

Suggested Specification

Closers shall be of rack and pinion construction with both rack and pinion of heat treated steel and with a cast hydraulic iron case as made by Russwin.

Closing the door shall be controlled by independent valves. Closers shall be available with fully adjustable backcheck by means of a third valve. Valves shall be concealed against unauthorized adjustment and shall be of the needle valve type. Closers shall be surface applied with rectangular cover, projection not over 2¾" and capable of being applied on 1¾" top rail or top jamb for inverted mounting.

Non hold-open closers shall be regularly furnished with Power Adjustment Arm Bracket capable of adjusting closer power from regular to a minimum of 15% greater closing power.

Special Applications and Conditions

If special conditions are encountered in any of the types of application described, they should be referred to the New Britain office; as well as any problems concerning applications of arms to door frames or jambs. Inquiries should include all information such as Width and Thickness of door; width of stile, top rail and top jamb; method of hanging door; hinge clearance; door frame detail; etc.

*Except that on fusible link closers, hand should be specified (closer is not handed but arm is handed). Also see note on "Hand" under Delayed Action Closers, page 284E.

RUSSWIN
NEW BRITAIN, CONNECTICUT 06050

TEMPORARY CATALOG PAGE 284D-1

2800 & 2810 SERIES DOOR CLOSER

Following information replaces present information listed under "Weight of Door" on both pages 284E and 284I. Remove "7' Height" from tables on pages 284E and 284I.

FACTORS INVOLVED IN DETERMINING SIZE OF CLOSER REQUIRED

1 - Weight and Height of Door

Doors vary in weight from a light hollow-core wood door to a heavy metal door. Door sizes given in tables are based on doors of standard weight and height. Compensation must be made for extra-light or extra heavy doors and doors of unusual height.

2 - Draft and Wind Conditions

Draft and wind conditions is perhaps the most important factor to consider in determining the size of closer required. Sizes listed in table apply to normal conditions. Stair wells, air conditioning, building construction and location of door can result in strong draft and wind conditions; in which case it would be pertinent to use a larger size Closer than listed.

3 - Location of Closer

The degree of door opening required determines the location of the closer on the door. This factor must also be taken into consideration. Closer sizes listed in table are based on a 110 degree of door opening.

From the above, it is obvious that it is impractical to show in any one table all the conditions that must be considered in determining the proper size closer for a given door. For example, a light hollow core wood door subject to little or no draft may take a smaller size closer than listed - whereas, a similar door subject to unusually strong draft conditions would require a larger size closer than listed.

In the final analysis, the common sense of the specifier must be relied on. The tables in this Section are for his use in making his determination - with the understanding that listings are for average weight and height doors, operating under normal draft and traffic conditions with Closer location for a 110 degree of door opening.

2/67

General Information

For Interior Or Exterior Doors Of Wood Or Metal Hung On Butts Or Pivot Hinges

packing and weight: 1 per box with both wood and machine screws (sex nuts and through bolts supplied when ordered) — 9 lbs. each; (packaged weight).

Minimum top rail or top jamb: 1¾ inches.

Top Jamb Mounting: When mounted on Jamb Plate Bracket (page 284K) 1" min. top jamb required — 2¾" max. jamb or frame. If frame is greater than 2¾", closer may be mounted directly to jamb without jamb plate bracket. As regularly furnished, closer arm will adjust to accept 3¼" reveal. If reveal is greater than 3¼", specify depth of reveal and a longer rod and bracket will be supplied to accept reveal.

Projection: 2¾ inches maximum.

Parallel Arm Adapter Plate Bracket: Available for converting regular arm to parallel arm. See page 284K.

Weight of Door: When ordering closers according to door size limitations listed below, the following must be kept in mind. The actual maximum size of the door recommended for any one closer is largely determined by existing draft conditions and by the weight of the door. For example, if a door is of a size calling for a size 2 closer and is subject to strong drafts, a size 3 should be used.

Delayed Action Closers: With this feature a separate valve is provided with which door is held open for a short period of time, then closes automatically. Effective range of delayed action: regular application, from 180° to approx. 70° of door opening; corner bracket and parallel arm application, from 180° to approx. 95° of door opening. NOTE: Delayed action valve is not concealed by closer cover, therefore we recommend that hand of closer be specified so that valve will be positioned at top of closer for neat appearance and safe from unauthorized adjustment. When closers are required with delayed action, prefix DA to number, i.e., DA2800-3.

Recommended Closer Sizes for Interior and Exterior Doors (7′ height)

REGULAR CLOSERS				PARALLEL ARM CLOSERS*		
	Maximum Size of Door				Maximum Size of Door	
Closer Size	Interior	Exterior, Inswinging	Exterior, Outswinging	Closer Size	Interior	Exterior, Outswinging
2	3′0″	—	—	2	2′6″	—
3	3′6″	2′6″	3′0″	3	3′0″	2′6″
4	4′0″	3′0″	3′6″	4	3′6″	3′0″
5	4′6″	3′6″	4′0″	5	4′0″	3′6″
6	5′0″	4′0″	4′6″	6	4′6″	4′0″

*Sizes also apply to closers mounted on Corner Bracket.

Information Required for Ordering

1. Number of Closer:

a. select basic number, i.e., 2800-size.
b. add size required, i.e., 2800-3.

2. Specify Finish

Finishes available:

DBL dull bronze lacquer.
SBL silver aluminum lacquer.
GBL gold brass lacquer.
USP prime coat.

Other finishes to order:

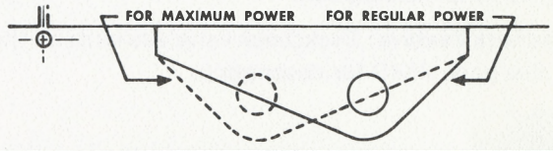
US28 satin aluminum, anodized.
OBL very dark statuary bronze lacquer (matches 20A).
US10 satin bronze.
US26 polished chrome.
US26D satin chrome.

(When plated or natural finish covers are furnished, arms are spray painted to match)

3. Hand of Closer

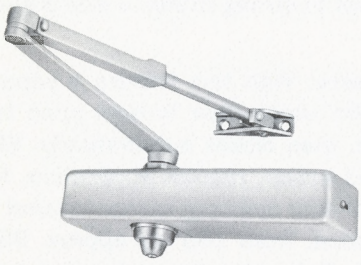
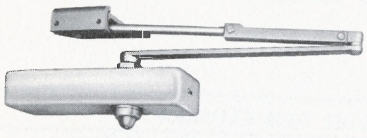
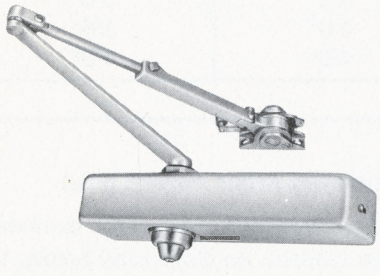
(on fusible link and delayed action closers only)

Power Adjustment Arm Bracket: Regularly furnished with all non hold-open closers. As illustrated below, the bracket may be mounted to supply regular closing power or reversed to supply a minimum of 15% greater closing power.



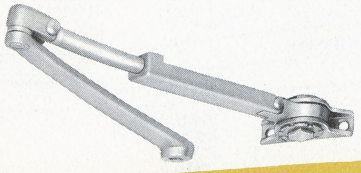
Conforms to Federal Specifications:	
Gov't Type	*RUSSWIN NO.*
3009 series	*2800 series*
3230-I (Mod.)	*2800-2*
3230-II (Mod.)	*2800-3*
3230-III (Mod.)	*2800-4*
3230-IV (Mod.)	*2800-5*
3230-II HO (Mod.)	*2800H-3*
3230-II F (Mod.)	*2800H-3-F*
3230-II P (Mod.)	*P2800-3*

2800 SERIES DOOR CLOSER

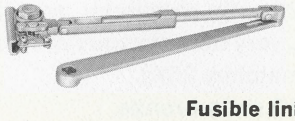
Illustration	Type Hold-Open	Arm Assem. Number	Degree Of Hold-Open	Maximum Degree Of Opening	CLOSER NUMBER
Surface Closer x Surface Arm Bracket					
	**Non Hold-Open**	A88	....	180°	**2800-size**
	Hold-Open	A89	85°-180°	180°	**2800H-size**
Parallel Arm Closer Applied to Stops 1⅛ inch or greater — When Stop is less than 1⅛ inch, apply to Soffit.					
	**Non Hold-Open**	A88	....	180°	**P2800-size**
	Hold-Open	A89	45°-180°	180°	**P2800H-size**
Fusible Link Arm Closer					
	**Regular Hold-Open**	A86F	85°-180°	180°	**2800H-size-F** (Specify Hand)
	Parallel Arm Hold-Open	A82F	45°-180°	180°	**P2800H-size-F** (Specify Hand)

Delayed Action: When closers are required with delayed action valve, prefix DA to number, i.e., DA2800-3, etc. See page 284E for description.

Backcheck Feature: Backcheck valve available on these closers, prefix BC to number when ordering, i.e., BC2800-3, etc. See page 284D for description.



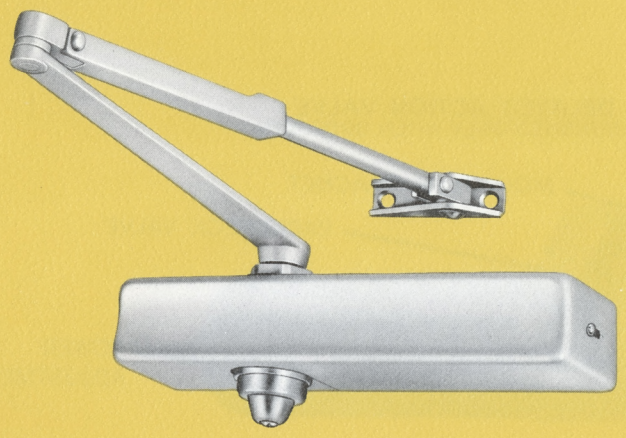
Hold-Open Arm



Fusible link Arm

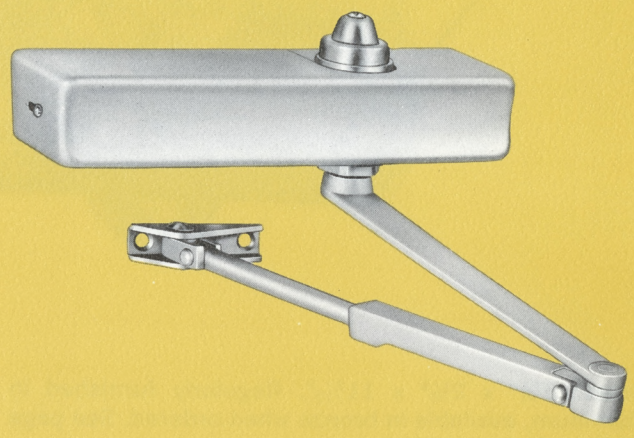
2810 SERIES DOOR CLOSER

RUSSWIN



mounting on the door

inverted on the top jamb





Where Power Really Counts . . . Where Quality is a Must

RUSSWIN'S 2810 Series DOOR CLOSER

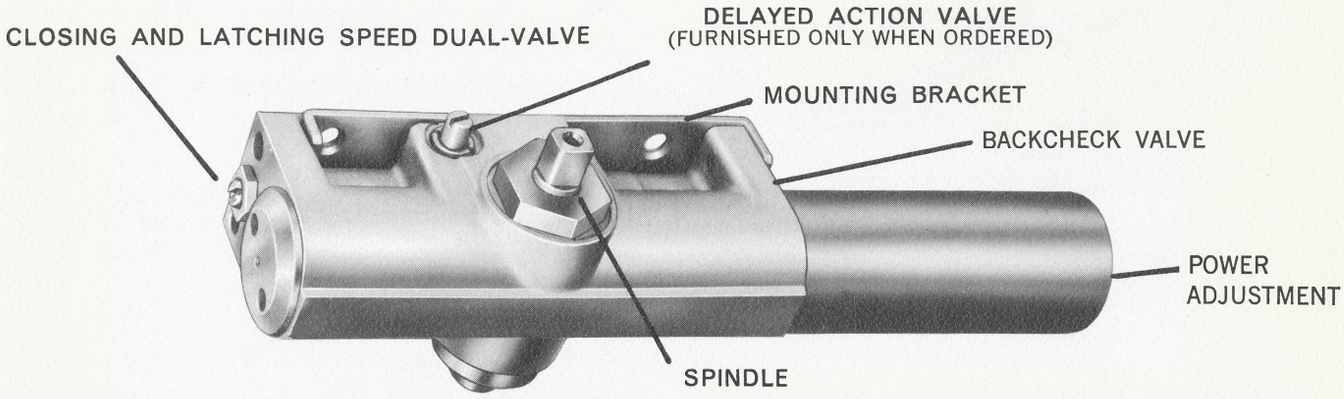
A superior door closer designed with versatility from top to bottom. The Adjustable Spring Power feature places Russwin's 2810 series in a class by itself — provides extra power where and when you need it to accommodate various draft conditions. Other benefits include: separate controls for closing and latching speeds . . . completely concealed by a protective cover to assure tamper-proof operation . . . back check valve . . . conventional mounting on the door (right or left hand) or inverted on the top jamb thus eliminating the need for a corner bracket where one might otherwise be needed . . . non hold-open type furnished with power adjustment arm bracket which may be mounted to supply normal closing power, or reversed to give a minimum of 15% greater closing power . . . universal type — not handed (except Fusible Link and Delayed Action closers) . . . handsomely styled to blend with modern decor.

Recommended for Schools, Hospitals, Office Buildings and other Commercial Installations.

2810 SERIES DOOR CLOSER

Universal — Not Handed*

Full Rack And Pinion Construction



Cover: 1¾" x 2¾" x 11 7/16". Regularly furnished in aluminum, available in bronze when ordered. See page 284I for listing of finishes.

Case: Cast iron alloy the same as used in the cylinders of high pressure hydraulic devices — machined to extreme accuracy.

Adjustable Arms: One length for all applications, hold-open and non hold-open closers. Drop forged steel and wrought parts for extra strength.

Rack and Piston: One piece precision-machined alloy steel — heat treated. Rack teeth are cut to precise standards. Large piston area gives longer life.

Spindle: Machined from a single piece of high-tensile alloy steel — All shaft surfaces are ground to a high finish — Heat treated spindle has accurately cut teeth and operates in two needle bearings — Bearing surfaces are precision ground and induction hardened.

Springs: High-tensile steel springs, heat treated, offer maximum resistance to fatigue and breakage. Oil tempered after winding to assure longer service life.

Oil Seal: "O" Rings — Low friction unit oil seal is virtually leakproof.

Valves: Needle-type noncritical valves with "O" ring seals. Separate, precise control of closing and latching speeds provided.

Controlled Backcheck Valve: Fully adjustable, non-critical — an extra feature to avoid damage to door or walls. Takes effect at approx. 70° on both regular and parallel arm closers when set by means of a third valve.

Checking Fluid: High lubricity, low pour-point checking fluid assures smooth operation and long life. One type fluid for all size closers — interior or exterior doors.

Suggested Specification

Closers shall be rack and pinion construction with both rack and pinion of heat treated steel and with a cast hydraulic iron case as made by Russwin.

Closing the door shall be controlled by independent valves. Closers shall be regularly furnished with fully adjustable backcheck by means of a third valve. Valves shall be concealed against unauthorized adjustment and shall be of the needle valve type. Closers shall be surface applied with rectangular cover, projection not over 2¾" and capable of being applied on 1¾" top rail or top jamb for inverted mounting.

Non hold-open closers shall be regularly furnished with Power Adjustment Arm Bracket capable of adjusting closer power from regular to a minimum of 15% greater closing power.

Special Applications and Conditions

If special conditions are encountered in any of the types of application described, they should be referred to the New Britain office; as well as any problems concerning applications of arms to door frames or jambs. Inquiries should include all information such as Width and Thickness of door; Width of stile, top rail and top jamb; method of hanging door; hinge clearance; door frame detail; etc.

*Except that on fusible link closers, hand should be specified (closer is not handed but arm is handed). Also see note on "Hand" under Delayed Action Closers, page 284I.

General Information

For Interior Or Exterior Doors Of Wood Or Metal Hung On Butts Or Pivot Hinges

packing and weight: 1 per box with both wood and machine screws (sex nuts and through bolts supplied when ordered) — 10 lbs. each; (packaged weight).

Minimum top rail or top jamb: 1¾ inches.

Top Jamb Mounting: When mounted on Jamb Plate Bracket (page 284K) 1" min. top jamb required — 2¾" max. jamb or frame. If frame is greater than 2¾", closer may be mounted directly to jamb without jamb plate bracket. As regularly furnished, closer arm will adjust to accept 3¼" reveal. If reveal is greater than 3¼", specify depth of reveal and a longer rod and bracket will be supplied to accept reveal.

Projection: 2¾ inches maximum.

Parallel Arm Adapter Plate Bracket: Available for converting regular arm to parallel arm. See page 284K.

Weight of Door: When ordering closers according to door size limitations listed below, the following must be kept in mind. The actual maximum size of the door recommended for any one closer is largely determined by existing draft conditions and by the weight of the door. For example, if a door is of a size calling for a size 2 closer and is subject to strong drafts, a size 3 should be used.

Delayed Action Closers: With this feature a separate valve is provided with which door is held open for a short period of time, then closed automatically. Effective range of delayed action: regular application, from 180° to approximately 70° of door opening; corner bracket and parallel arm application, from 180° to approximately 95° of door opening. NOTE: Delayed action valve is not concealed by closer cover, therefore we recommend that hand of closer be specified so that valve will be positioned at top of closer for neat appearance and safe from unauthorized adjustment. When closers are required with delayed action, prefix DA to number, i.e., DA2810-3.

Recommended Closer Sizes for Interior and Exterior Doors (7′ height)

REGULAR CLOSERS				PARALLEL ARM CLOSERS*		
	Maximum Size of Door				Maximum Size of Door	
Closer Size	Interior	Exterior, Inswinging	Exterior, Outswinging	Closer Size	Interior	Exterior, Outswinging
2	3′0″	—	—	2	2′6″	—
3	3′6″	2′6″	3′0″	3	3′0″	2′6″
4	4′0″	3′0″	3′6″	4	3′6″	3′0″
5	4′6″	3′6″	4′0″	5	4′0″	3′6″
6	5′0″	4′0″	4′6″	6	4′6″	4′0″

*Sizes also apply to closers mounted on Corner Bracket.

Information Required for Ordering

1. Number of Closer:

a. select basic number, i.e., 2810-size.

b. add size required, i.e., 2810-3.

2. Specify Finish:

Regular Finishes available:

DBL dull bronze lacquer.
SBL silver aluminum lacquer.
GBL gold brass lacquer.
USP prime coat.

Other finishes to order:

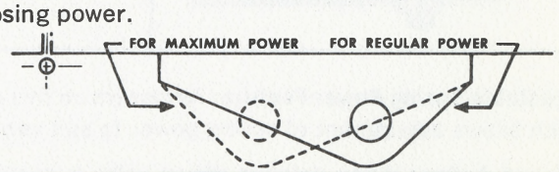
US28 satin aluminum, anodized.
OBL very dark statuary bronze lacquer (matches 20A).
US10 satin bronze.
US26 polished chrome.
US26D satin chrome.

(When plated or natural finish covers are furnished, arms are spray painted to match)

3. Hand of Closer:

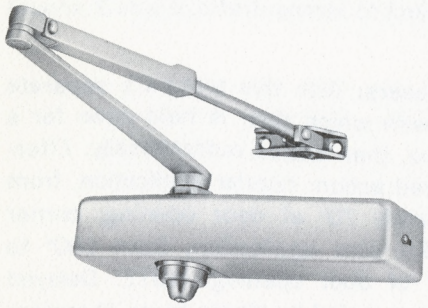
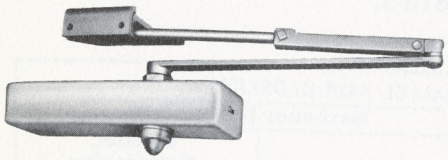
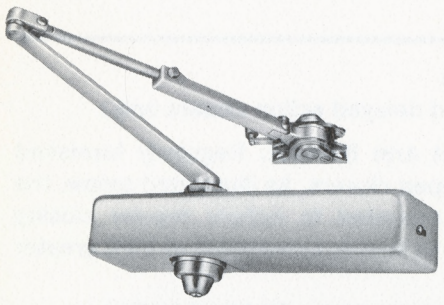
(on fusible link and delayed action closers only)

Power Adjustment Arm Bracket: Regularly furnished with all non hold-open closers. As illustrated below, the bracket may be mounted to supply regular closing power or reversed to supply a minimum of 15% greater closing power.



Conforms to Federal Specifications:	
Gov't Type	*RUSSWIN NO.*
3001 series	*2810 series*
3004 series	*2810 series*
3009	*2810 series*
3230-I (Mod.)	*2810-2*
3230-II (Mod.)	*2810-3*
3230-III (Mod.)	*2810-4*
3230-IV (Mod.)	*2810-5*
3230-II HO (Mod.)	*2810H-3*
3230-II F (Mod.)	*2810H-3-F*
3230-II P (Mod.)	*P2810-3*

2810 SERIES DOOR CLOSER

Illustration	Type Hold-Open	Arm Assem. Number	Degree Of Hold-Open	Maximum Degree Of Opening	CLOSER NUMBER
Surface Closer x Surface Arm Bracket					
	**Non Hold-Open**	A88	....	180°	**2810-size**
	Hold-Open	A89	85°-180°	180°	**2810H-size**
Parallel Arm Closer Applied to Stops 1⅛ inch or greater — When Stop is less than 1⅛ inch, apply to Soffit.					
	**Non Hold-Open**	A88	....	180°	**P2810-size**
	Hold-Open	A89	45°-180°	180°	**P2810H-size**
Fusible Link Arm Closer					
	**Regular Hold-Open**	A86F	85°-180°	180°	**2810H-size-F** (Specify Hand)
	Parallel Arm Hold-Open	A82F	45°-180°	180°	**P2810H-size-F** (Specify Hand)

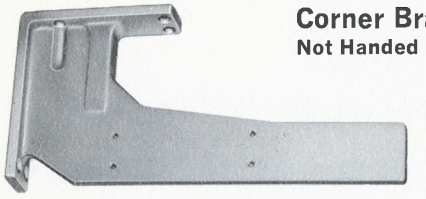
Adjustable Spring Power Feature: All closers on this page are regularly furnished with adjustable spring power feature which allows adjustment of spring power to suit various door conditions.

Delayed Action: When delayed action valve is required, prefix DA to number, i.e., DA2810-3, etc. See page 284I for description.

Backcheck Feature: 2810 series closers regularly furnished with backcheck valve. See page 284H for description.

For Illustration of Hold-Open Arm, See Page 284F.

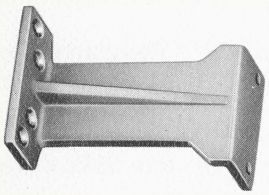
RUSSWIN



Corner Bracket
Not Handed

Corner bracket should be used where conditions prevent application of closer to door, i.e., exterior door opening out, transverse wall that prevents door opening 90° or for appearance. Construction of bracket affords maximum support for closer. Degree of hold-open, 85° to 180°. Also used when mounting closers in conjunction with overhead door holders.

Bracket Number	For Closer Series	Size, Inches		Weight Lbs. (Approx.)
		Height	Length	
828	2800	5¾	12¼	4¾
828-10	2810	5¾	13½	5

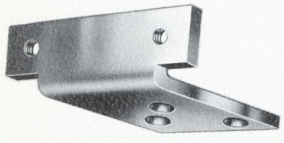


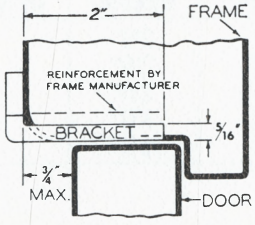
Parallel Arm Flush Transom Bracket
Not Handed

Parallel arm bracket for flush transom application. Used on non hold-open,hold-open and fusible link closers.

Bracket Number	For Closer Series	Size, Inches			Weight Lbs. (Approx.)
		Width	Length	Depth	
826	2800 & 2810	3½	4½	3	1¼

Mortise Soffit Plate Arm Bracket No. 837

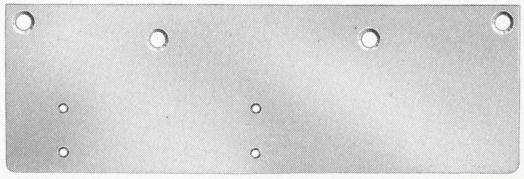




For use where it is undesirable to cut trim for application of arm bracket, such as bull nose frames. etc. Available for use with all closers . Suffix "x 837" to closer number when ordering.

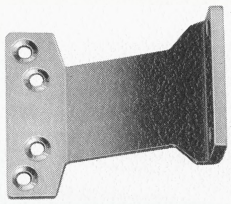
Check template for minimum top rail requirements, when using this bracket.

Parallel Arm Drop and Jamb Plate Bracket
Not Handed



Drop plate bracket should be used when width of top rail of door is insufficient to allow application of closer in regular manner. Minimum top rail required with this bracket is 2 inches. Bracket also used for top jamb mounting — 1" min. top jamb required, 2¾" max. jamb or frame. If frame is greater than 2¾", closer may be mounted directly to jamb without jamb plate bracket.

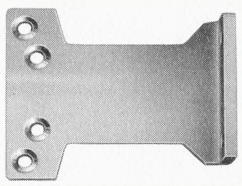
Bracket Number	For Closer Series	Size, Inches		Weight Lbs. (Approx.)
		Width	Length	
822	2800	3¾	10¼	2¾
822-10	2810	3¾	11½	3



Parallel Arm Offset Angle Bracket
Not Handed

For use with parallel arm door closers when mounted in conjunction with overhead door holders.

Bracket Number	For Closer Series	Size, Inches			Weight Lbs. (Approx.)
		Width	Length	Depth	
825	2800 & 2810	3½	4 3/16	2⅝	1



Parallel Arm Adapter Plate Bracket No. 821

3½ x 1¼ x 4½ inches.

Regularly furnished with parallel arm closers. Available when ordered for converting regular arm closer to par allel arm. Used on non hold-open, hold-open and fusible link closers.

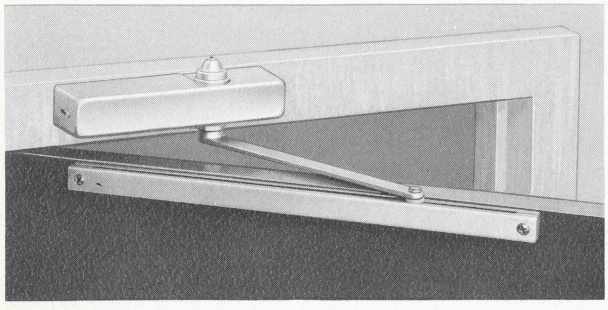
All brackets packed 1 per box with wood and machine screws.

SPECIFY BRACKET NUMBER AND FINISH

2800 and 2810 SERIES DOOR CLOSERS

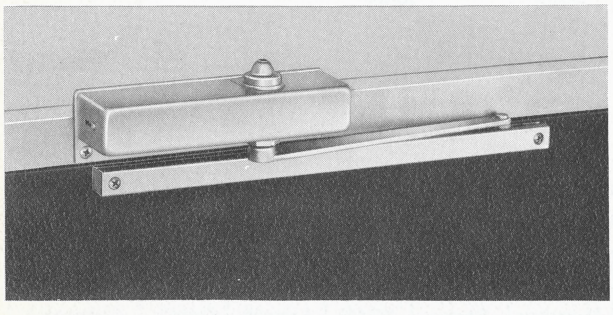
RUSSWIN Reg. U.S. Pat. Off. Marca Registrada

Top Jamb Closer — Sliding Track Type



Shown mounted on Top Rail.

Minimum Top Rail required: 3 in.



Shown mounted on Frame Adapter Plate.

Minimum Top Rail required: 1 in.

Frame Adapter Plate:
No. T822 for 2800 series closer.
No. T822-10 for 2810 series closer.
Size: 10⅜ x 2¾ x ¼ inches.

Top Jamb mounted on hinge side of door.

Available in all closer sizes; see ordering chart below.

Arm and Track are reversible.

Maximum degree of opening: 100°.

Specifications: (See pages 248D and 284H for additional specifications.)

Arm: Cold drawn steel for extra strength, reversible.

Hold Open: Hardened spring loaded hold-open mechanism with screw adjustment for variable hold-open tension.

Hold-open may be set at any of the following points: 85°, 90°, 95°, and 100°.

Back Check: Take effect at approx. 70°. Regularly furnished with 2810 series. Prefix BC to number when required for 2800 series.

Track: Reversible,surface applied to door, size 21¾ x 1⅛ in., 1⅛" max. projection.

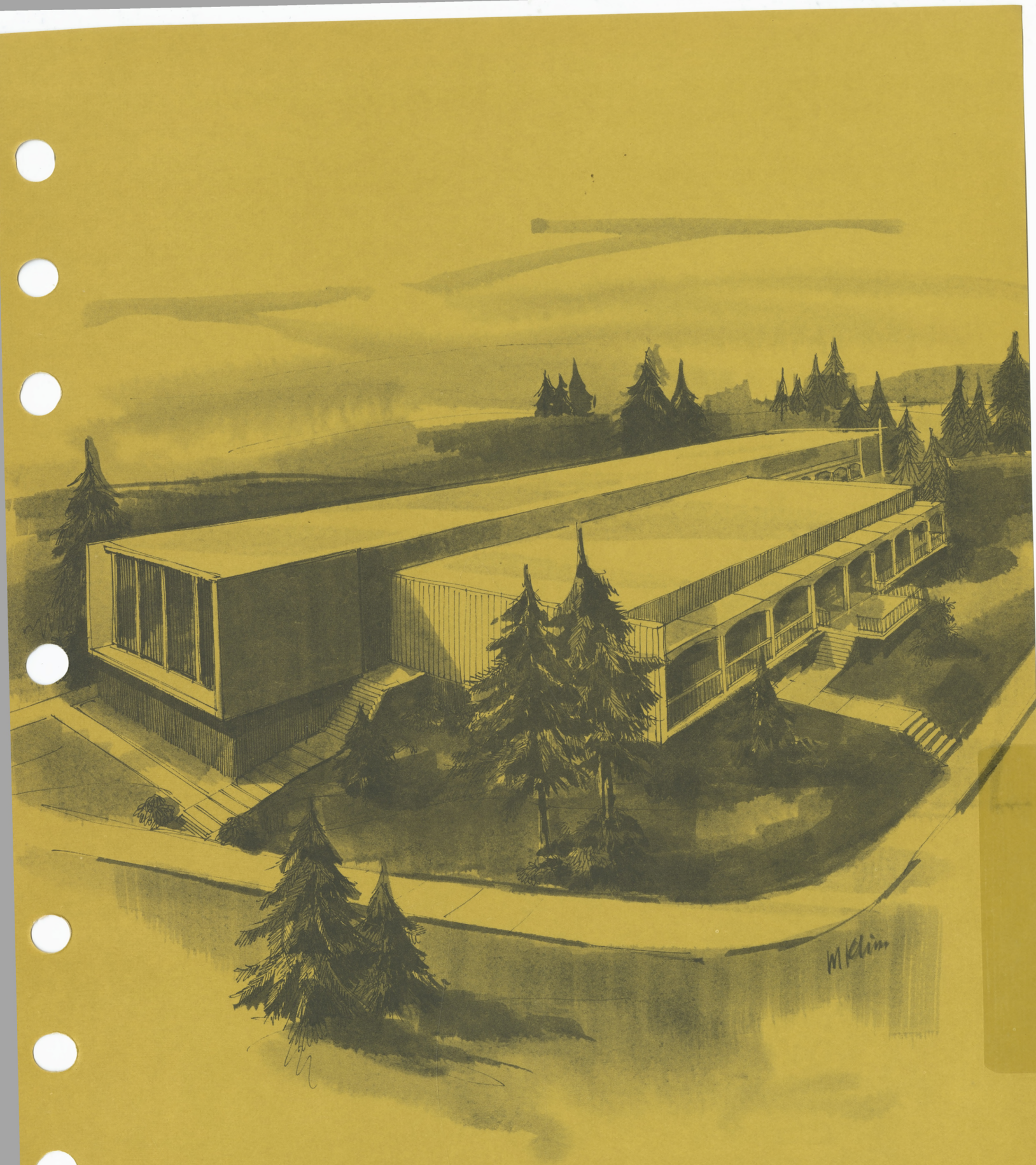
Bronze plated for DBL and GBL finishes, cadmium plated for SBL finish.

Finishes: DBL dull bronze lacquer, SBL silver aluminum lacquer, GBL gold brass lacquer.

Closer Size	Maximum Door Size		
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging
2	2'0"	—	Not Recommended
3	2'6"	—	
4	3'0"	2'0"	
5	3'6"	2'6"	
6	4'0"	3'0"	

Closer Number		Type Closer
2800 Series	2810 Series	
2800T- Size	2810T- Size	Non-Hold-Open
2800TH- Size	2810TH- Size	Hold-Open

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

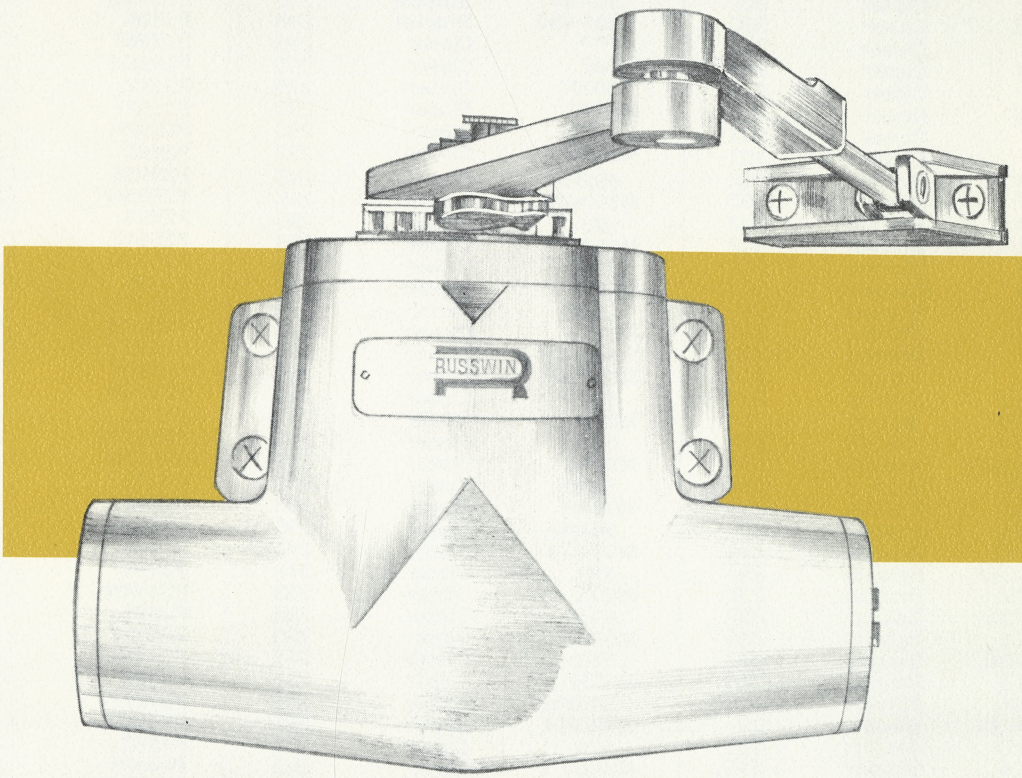


San Bernardino Valley Joint Union College
Art Building
San Bernardino, California

13 SURFACE DOOR CLOSERS

RUSSWIN®

SURFACE DOOR CLOSERS



SURFACE DOOR CLOSERS,

Alphabetical Index

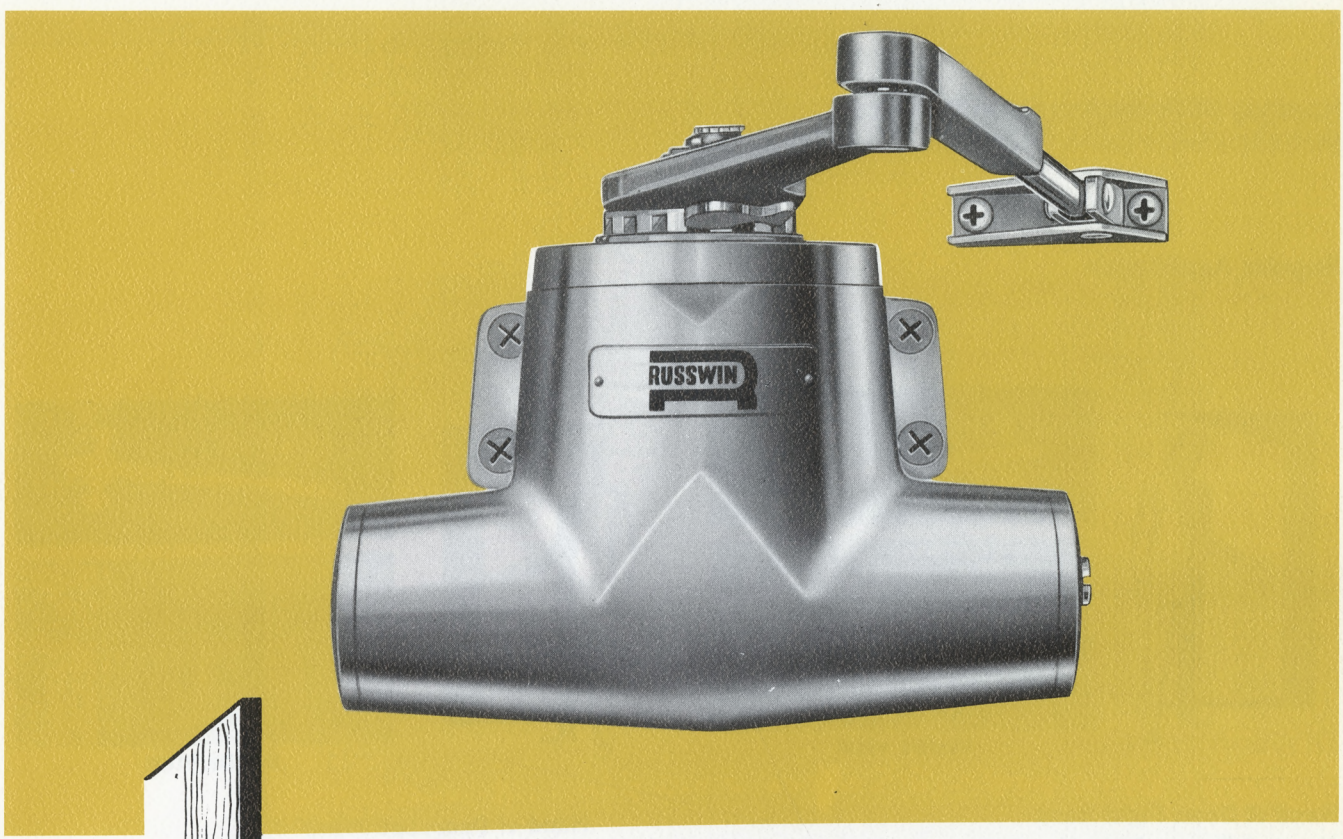
59 Series Door Closers	Pages 287-297	Screen Door Closers	Page 303
B to F Series Door Closers	Pages 298-302	Hand of Doors and Closers	Pages 288-289

DOOR CLOSER SERIES:	59	B — F	Screen
ITEM		SHOWN ON PAGES:	
Closer Brackets	296-297	302	303
Closer Ordering Charts	292-295	300	303
Federal Specifications	290	300	303
General Information	287	298	303
Parts	304-305	307-308	305-306
U.L. Listing	290	300	—

Numerical Index

Number	Description	Page
B	Closer	300
B-1	Closer	300
C	Closer	300
C-1	Closer	300
D	Closer	300
D-1	Closer	300
E	Closer	300
E-1	Closer	300
F	Closer	300
F-1	Closer	300
5	Closer	303
8	Closer	303
127B	Bracket	302
127C	Bracket	302
127D	Bracket	302
127E	Bracket	302
127F	Bracket	302
128B	Bracket	302
128C	Bracket	302
128D	Bracket	302
128E	Bracket	302
128F	Bracket	302
159-23	Bracket	294
159-23F	Bracket	294
159-4	Bracket	294
159-456F	Bracket	294
159-56	Bracket	294
259-23	Bracket	294
259-23F	Bracket	294
259-456	Bracket	294
259-456F	Bracket	294
359-23	Bracket	297
359-456	Bracket	297
459-23	Bracket	294
459-456	Bracket	294
526-23	Bracket	296
526-34	Bracket	296
526-456	Bracket	296
527-23	Bracket	296
527-34	Bracket	296
527-456	Bracket	296
529-23	Bracket	296
529-34	Bracket	296
529-456	Bracket	296
531-23	Bracket	297
531-34	Bracket	297
531-456	Bracket	297
532-23	Bracket	297
532-34	Bracket	297
532-456	Bracket	297
535-23	Bracket	296
535-34	Bracket	296
535-456	Bracket	296
536-23	Bracket	297
536-34	Bracket	297
536-456	Bracket	297
537-23	Bracket	296
537-34	Bracket	296
537-456	Bracket	296
[illegible]	Closer	293
M592	Closer	293
592F	Closer	295
M592F	Closer	295
592H	Closer	293
M592H	Closer	293
592HH	Closer	295
M592HH	Closer	295
593	Closer	293
M593	Closer	293
593F	Closer	295
M593F	Closer	295
593H	Closer	293
M593H	Closer	293
593HH	Closer	295
M593HH	Closer	295
594	Closer	293
M594	Closer	293
594F	Closer	295
M594F	Closer	295
594H	Closer	293
M594H	Closer	293
594HH	Closer	295
M594HH	Closer	295
595	Closer	293
M595	Closer	293
595F	Closer	295
M595F	Closer	295
595H	Closer	293
M595H	Closer	293
595HH	Closer	295
M595HH	Closer	295
596	Closer	293
M596	Closer	293
596F	Closer	295
M596F	Closer	295
596H	Closer	293
M596H	Closer	293
596HH	Closer	295
M596HH	Closer	295
P1592	Closer	294
P1592F	Closer	295
P1592H	Closer	294
P1593	Closer	294
P1593F	Closer	295
P1593H	Closer	294
P1594	Closer	294
P1594F	Closer	295
P1594H	Closer	294
P1595	Closer	294
P1595F	Closer	295
P1595H	Closer	294
P1596	Closer	294
P1596F	Closer	295
P1596H	Closer	294
P2592	Closer	294
P2592F	Closer	295
P2592H	Closer	294
P2593	Closer	294
P2593F	Closer	295
P2593H	Closer	294
P2594	Closer	294
P2594F	Closer	295
P2594H	Closer	294
P2595	Closer	294
P2595F	Closer	295
P2595H	Closer	294
P2596	Closer	294
P2596F	Closer	295
P2596H	Closer	294
P3592	Closer	297
P3592F	Closer	297
P3592H	Closer	297
P3593	Closer	297
P3593F	Closer	297
P3593H	Closer	297
P3594	Closer	297
P3594F	Closer	297
P3594H	Closer	297
P3595	Closer	297
P3595F	Closer	297
P3595H	Closer	297
P3596	Closer	297
P3596F	Closer	297
P3596H	Closer	297
P4592	Closer	294
P4592F	Closer	295
P4592H	Closer	294
P4593	Closer	294
P4593F	Closer	295
P4593H	Closer	294
P4594	Closer	294
P4594F	Closer	295
P4594H	Closer	294
P4595	Closer	294
P4595F	Closer	295
P4595H	Closer	294
P4596	Closer	294
P4596F	Closer	295
P4596H	Closer	294

RUSSWIN



Most Versatile Door Closer of Its Type Today . . .
RUSSWIN No. 59 (Model 166)
with New Construction Features

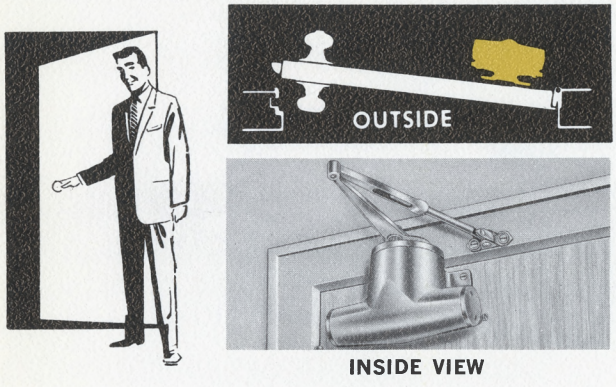
Designed to close doors quietly and efficiently, Russwin's attractive 59 series (Model 166) heavy duty closer does just that! With its full rack and pinion design, its precision-machined parts of high impact strength metal, its turret-type arm teamed with an exceedingly strong one-piece spindle — 59 is all closer, superbly constructed with tremendous strength to give you long lasting door closing service. Its non-overwind spring adjustment prevents overwind spring breakage. Also featured is dual backcheck and the hold-open has adjustable holding force. Moderately priced and fully field tested. Easiest to maintain. Available in five sizes with Russwin guarantee.

Recommended for Schools, Hospitals, Factories, Office Buildings and other Commercial Installations.

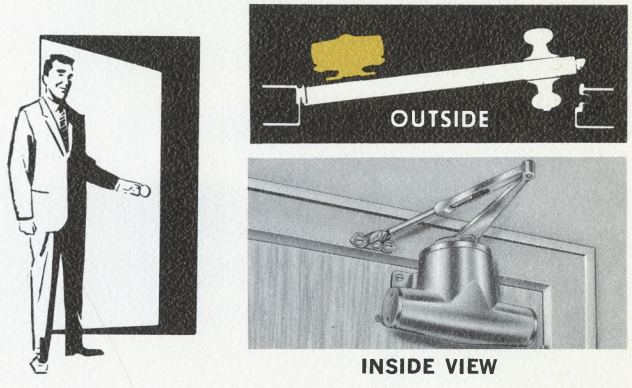
SURFACE DOOR CLOSERS

Handing Of Doors And Door Closers
(hand is always taken from out side of door)

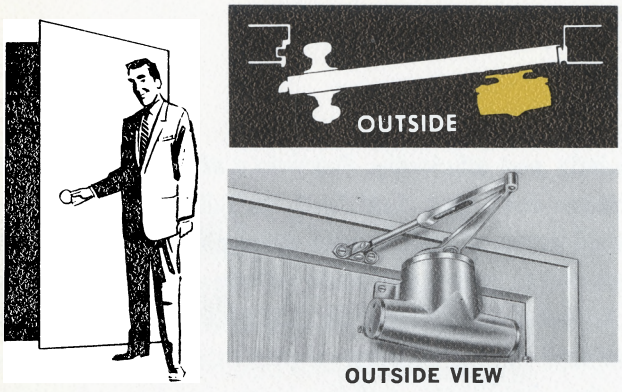
Regular Application



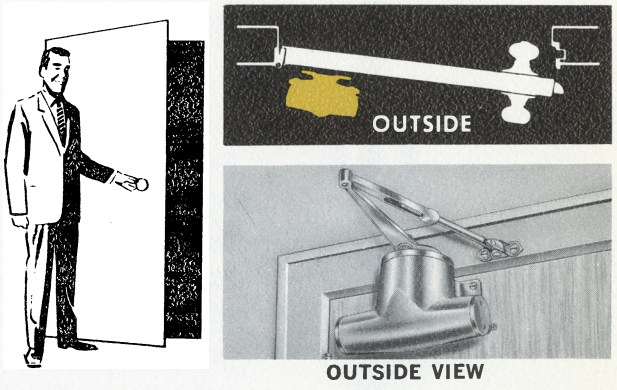
Hand of Door: Right Hand
Hand of Closer: Right Hand



Hand of Door: Left Hand
Hand of Closer: Left Hand



Hand of Door: Right Hand Reverse Bevel
Hand of Closer: Left Hand

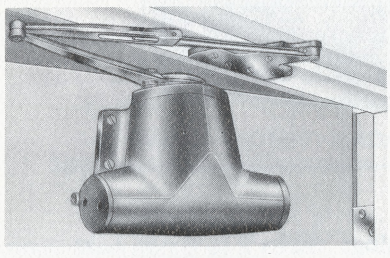


Hand of Door: Left Hand Reverse Bevel
Hand of Closer: Right Hand

Handing Of Doors And Door Closers
(hand is always taken from out side of door)

Parallel Arm Application

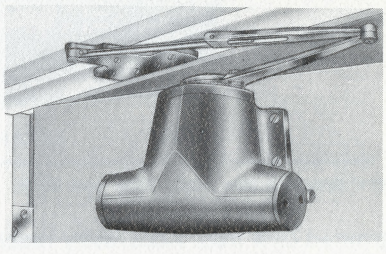




INSIDE VIEW

Hand of Door: Left Hand Reverse Bevel
Hand of Closer: Right Hand



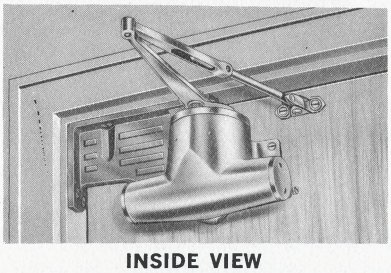


INSIDE VIEW

Hand of Door: Right Hand Reverse Bevel
Hand of Closer: Left Hand

Corner Bracket Application

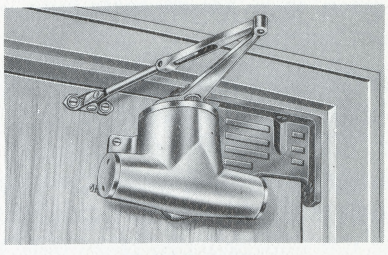




INSIDE VIEW

Hand of Door: Right Hand Reverse Bevel
Hand of Closer: Right Hand



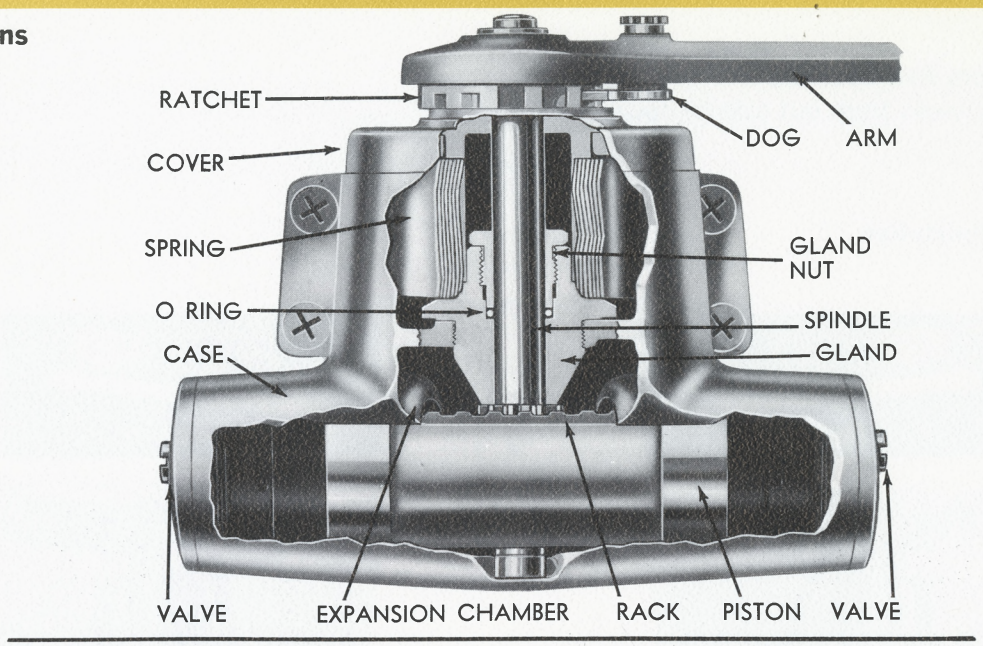


INSIDE VIEW

Hand of Door: Left Hand Reverse Bevel
Hand of Closer: Left Hand

59 Series Door Closers

Specifications



Conforms to Federal Specifications 3001, 3004 and 3009.

Case: Close grained cast iron. Accurately machined.

Arms: Forged steel (except fusible arm closers which have malleable iron arm with forged steel arm extension), turret type. Proportioned for maximum strength.

Spring: Flat band type lubricated for smooth action, cannot be overwound. Ratchet permits a wide range of adjustment points. Safety-wind ratchet dog permits locking of ratchet from above closer arm, eliminating danger of injury to hands when making spring adjustment.

Rack And Piston: Precision machined, high impact strength malleable iron metal. Extra strong special tooth form.

Spindle: One piece, steel, special tooth form and large diameter bottom bearing.

Delayed Action Closers: Closer sizes 4, 5 and 6 (both regular and hold-open) are available with delayed action feature. With this feature, a separate valve is provided to control the closing speed of the door from the fully opened position to approximately 70 degrees, at which point the regular valve takes over the control. To order, prefix DA to the closer number, i.e., DA594, etc. Closers with delayed action feature are not reversible, specify hand.

U.L. Listing: Sizes 2 to 6 non hold-open and 6 hold-open with fusible link are listed by Underwriters Laboratories for use on all classes of labeled doors, single or pairs.

Packing: O Ring.

Bearings: Extra large bearing area for maximum spindle support.

Valves: For control of closing speed, latching speed and back-check. Ground for accurate adjustment.

Fluid: High lubricity, low pour-point. Assures smooth operation and long life.

Expansion Chamber: Extra large. Provides adequate room for expansion of fluid.

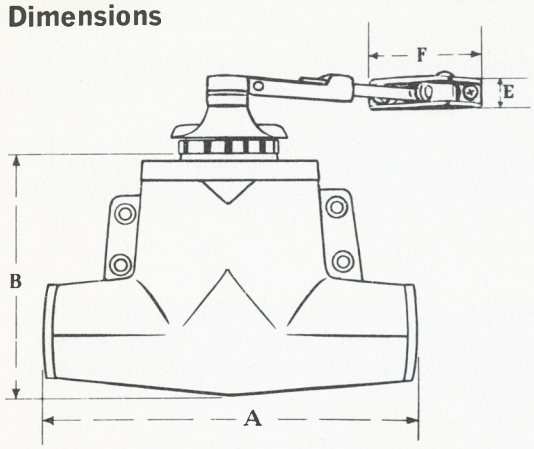
Key Valve: Prevents unauthorized persons from tampering with valve adjustments. Furnished only when ordered.

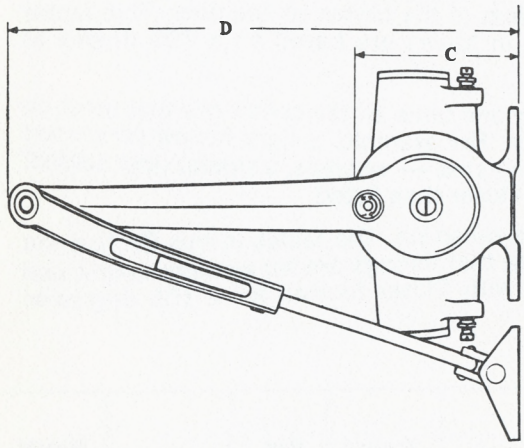
Wood And Machine Screws: Both wood and machine screws are packed with all hydraulic door closers (except #8). This includes all mounting screws for arms and closer brackets.

Poly-Bag Packing: Mounting screws and valve wrench are packed in a polyethylene bag for easy identification.

Paint Spray: Paint spray in DBL and SBL finishes available in 16 oz. cans, 6 cans to case. Available in full case lots only, all in one finish. Cannot be shipped parcel post.

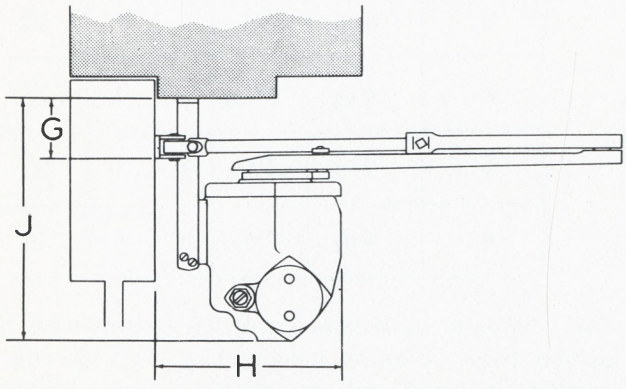
Dimensions





Closer Number	Dimensions, Inches					
	A	B	C	D	E	F
592 592H	6 5/8	4 9/16	3 15/16	11 1/2	3/4	2 7/8
593 593H	6 5/8	4 9/16	3 15/16	11 1/2	3/4	2 7/8
594 594H	7 1/2	4 7/8	4 1/4	12 5/8	3/4	2 7/8
595 595H	8 3/4	5 1/2	4 1/2	13 3/4	3/4	2 7/8
596 596H	8 3/4	5 1/2	4 1/2	13 3/4	3/4	2 7/8

Closer Applied To Corner Brackets



Closer Number	Dimensions, Inches†		
	G	H	J
592 592H	15/16	4 3/4	6 1/8
593 593H	15/16	4 3/4	6 1/8
594 594H	15/16	5 3/16	6 1/2
595 595H	1	5 7/16	7 1/4
596 596H	1	5 7/16	7 1/4

†These figures apply when closer is applied to 535 series brackets. Add 1 3/4 in. to "G" and "J" when applied to 526 series brackets.

59 Series Door Closers

Factors involved in determining Size of Closer required:

1 — Weight and Height of Door

Doors vary in weight from a light hollow-core wood door to a heavy metal door. Door sizes given in tables are based on doors of standard weight and height. Compensation must be made for extra-light or extra-heavy doors and doors of unusual height.

2 — Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the size of closer required. Sizes listed in tables apply to normal conditions. Stair wells, air conditioning, building construction and location of door can result in strong draft and wind conditions; in which case it would be pertinent to use a larger size Closer than listed.

3 — Location of Closer

The degree of door opening required determines the location of the closer on the door. This factor must also be taken into consideration. Closer sizes listed in tables are based on a 105 degree of door opening.

From the above, it is obvious that it is impractical to show in any one table all the conditions that must be considered in determining the proper size closer for a given door. For example, a light hollow core wood door subject to little or no draft may take a smaller size closer than listed — whereas, a similar door subject to unusually strong draft conditions would require a larger size closer than listed.

In the final analysis, the common sense of the specifier must be relied on. The tables in this Section are for his use in making his determination — with the understanding that listings are for average weight and height doors operating under normal draft and traffic conditions with Closer located for a 105 degree of door opening.

Maximum Degree Of Opening — 135 degrees (180° when mounted on corner bracket).

Delayed Action Feature — See page 290 for description and ordering information.

Finishes:

DBL — dull bronze lacquer
SBL — silver aluminum lacquer
FBL — flat black lacquer
USP — prime coat (for paint)
OBL — dark statuary bronze lacquer (matches 20A)
LBL — bronze enamel (matches 10BL and US10B)
2G — electro-galvanized

Closers packed complete with wood and machine screws, wrench and full directions for application.

Closer Size	Project. Inches Case Of Closer	Min. Top Rail Inches	Packed Per		Weight, Lb., Each Iron (Approx.)
			Box	Case	
2	3 15/16	2 9/16	1	4	13
3	3 15/16	2 9/16	1	4	13
4	4 1/4	2 11/16	1	4	16
5	4 1/2	2 15/16	1	3	21
6	4 1/2	2 15/16	1	3	21

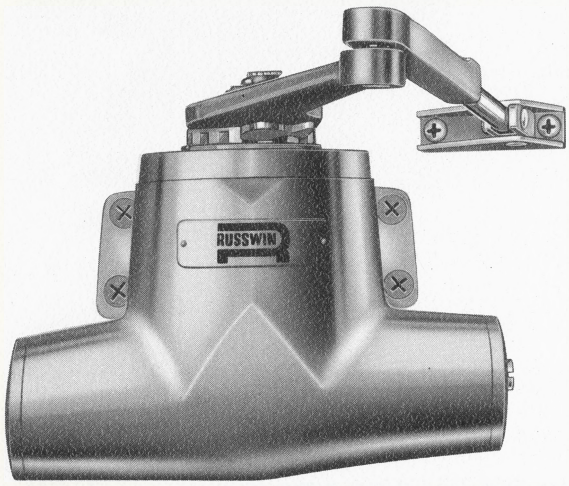
Hold-Open Ring:



The hold-open point may be varied by loosening the slotted head screw in holding ring, turning ring to position required, and re-tightening screw securely.

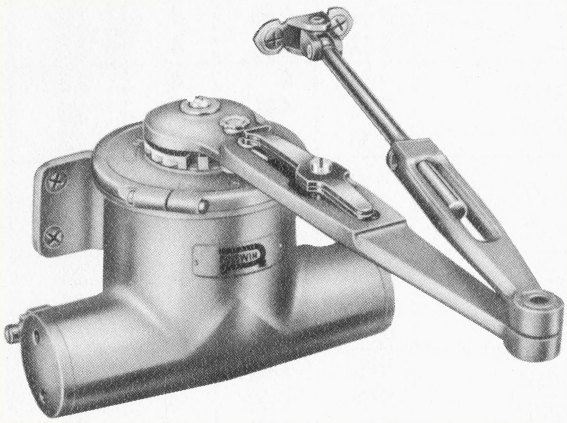
Slotted head screw and knurled nut may be reversed when door interference occurs.

Reversible



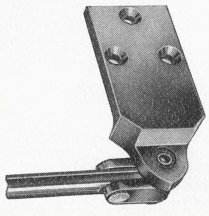
Closer Number		Type Of Door (Wood Or Metal)	Max. Size Of Door
With Surface Arm Bracket	With Mortise Arm Bracket		
592	M592	Heavy screen or medium weight interior	3′ 0″ 2′ 8″
593	M593	Light exterior and interior	2′ 6″ 3′ 4″
594	M594	Exterior and heavy interior	3′ 0″ 4′ 0″
595	M595	Heavy exterior and heavy interior	3′ 6″ 4′ 6″
596	M596	Extra heavy exterior or doors of unusual height or width	4′ 0″

With Hold-Open Arms



Closer Number		Type Of Door (Wood Or Metal)	Max. Size Of Door
With Surface Arm Bracket	With Mortise Arm Bracket		
592H	M592H	Heavy screen and medium weight interior	3′ 0″ 2′ 8″
593H	M593H	Light exterior and interior	2′ 6″ 3′ 4″
594H	M594H	Exterior and heavy interior	3′ 0″ 4′ 0″
595H	M595H	Heavy exterior and heavy interior	3′ 6″ 4′ 6″
596H	M596H	Extra heavy exterior or doors of unusual height or width	4′ 0″

Mortise

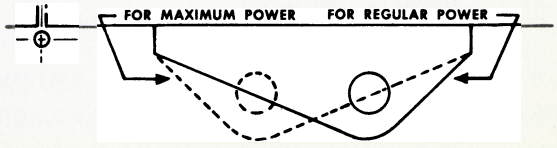


Closer Size	Base, Inches
2	1½ x 1⅜
3	1½ x 1⅜
4	1¾ x 1¾
5	1¾ x 1¾
6	1¾ x 1¾

Furnished where M is prefixed to number, i.e., M592, etc.

Surface

Power Adjustment Arm Bracket: Regularly furnished. As illustrated below, the bracket may be mounted to supply regular closing power or reversed to supply a minimum of 15% greater closing power.



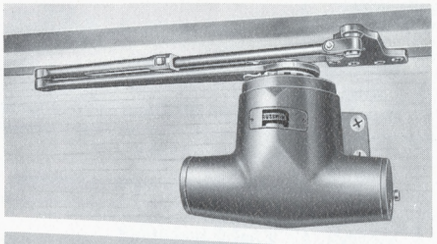
SPECIFY NUMBER AND FINISH

59 Series Door Closers

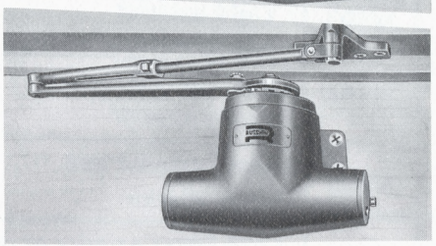
Parallel Arm Surface Door Closers

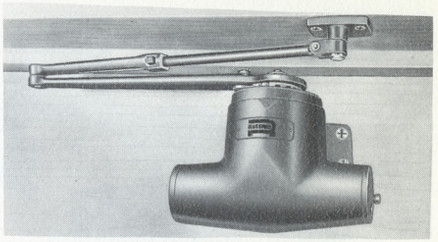
Reversible

Nos. P1592 to P1596

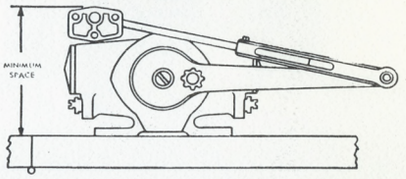


Nos. P2592 to P2596





Nos. P4592 to P4596



Finishes: See page 292.

Maximum Degree Of Opening — 180 degrees

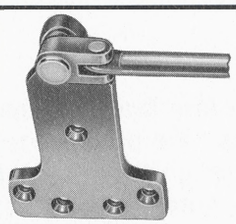
packed: 1 per box with wood and machine screws, wrench and full directions.

Non Hold-Open Closer No.	Hold-Open Closer No.	Bracket	Type Of Door (Wood Or Metal)	Max. Size Of Door	Min. Space Req. Inches	Min. Top Rail Below Stop, Inches	Packed Per Case	Weight, Lb. Each (Approx.)
P1592	P1592H	Stop	Light interior	2′ 4″	4 3/4	4	4	13
P2592	P2592H	Soffit			3 3/4	4 3/8	4	13
P4592	P4592H	Soffit Post			4 3/4	4 3/8	4	13
P1593	P1593H	Stop	Heavy screen or medium weight interior	3′ 0″	4 3/4	4	4	13
P2593	P2593H	Soffit		2′ 8″	3 3/4	4 3/8	4	13
P4593	P4593H	Soffit Post			4 3/4	4 3/8	4	13
P1594	P1594H	Stop	Light exterior and interior	2′ 6″	5 1/8	4 3/16	4	16
P2594	P2594H	Soffit		3′ 4″	4 9/16	4 9/16	4	16
P4594	P4594H	Soffit Post			5 1/8	4 9/16	4	16
P1595	P1595H	Stop	Exterior and heavy interior	3′ 0″	5 7/16	4 5/8	3	21
P2595	P2595H	Soffit		4′ 0″	5 15/16	4 15/16	3	21
P4595	P4595H	Soffit Post			5 7/16	4 15/16	3	21
P1596	P1596H	Stop	Heavy exterior and heavy interior	3′ 6″	5 7/16	4 5/8	3	21
P2596	P2596H	Soffit		4′ 6″	5 15/16	4 15/16	3	21
P4596	P4596H	Soffit Post			5 7/16	4 15/16	3	21

See page 295 for fusible link parallel arm closers and 297 for flush transom application.

Parallel Arm Brackets

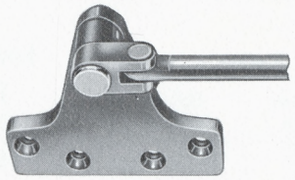
STOP



Bracket Number †	Closer Size	Base, Inches
159-23	2 & 3	3½ x 1
159-4	4	3⅝ x 1
159-56	5 & 6	3¾ x 1

†For fusible link, specify No. 159-23F for sizes 2 and 3 or No. 159-456F for sizes 4, 5 and 6.

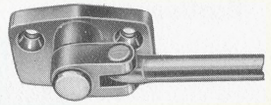
SOFFIT



Bracket Number *	Closer Size	Base, Inches
259-23	2	3½ x 1
	3	3½ x 1
259-456	4	3¾ x 1
	5 & 6	3¾ x 1

*Suffix F to number for parallel fusible arm.

SOFFIT POST

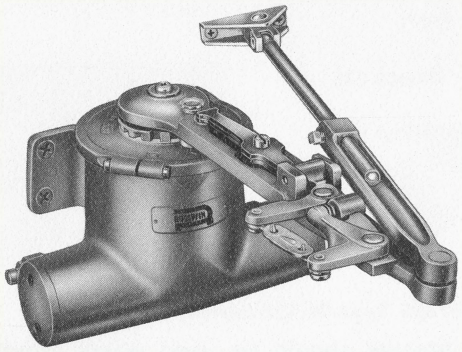


Bracket Number	Closer Size	Base, Inches
459-23	2	2⅛ x 1⅜
	3	2⅛ x 1⅜
459-456	4	2⅜ x 1½
	5 & 6	2⅜ x 1½

SPECIFY NUMBER, HAND AND FINISH

59 Series Fusible Link Door Closers

Not Reversible (Closer Reversible, Arm Handed) — Specify Hand



For All Classes Fire Doors

Listed by the Underwriters' Laboratories

RUSSWIN fusible link closers afford positive closing of fire doors. Hold open arm is equipped with an exposed fusible link which when subjected to a temperature of 160 degrees Fahrenheit will melt allowing door to close automatically. Link is so located on closer arm that it is exposed directly to hot air and gases that may be forced through the door opening ahead of fire. Link for 125 degrees available when so ordered.

Finishes: See page 292.

packed: 1 per box, 4 per case with screws, wrench and full directions for applying.

Regular Arm Fusible Link Closers

Maximum Degree Of Opening — 135 degrees.

Closer Number		Max. Size Of Doors	Projection Case Of Closer, In.	Weight, Lb. Each (Approx.)
With Surface Arm Bracket	With Mortise Arm Bracket			
592F	M592F	2′8″	3 15/16	12
593F	M593F	3′ 4″	3 15/16	12
594F	M594F	4′ 0″	4 1/4	15
595F	M595F	4′ 6″	4 1/2	20
596F	M596F	4′ 0″	4 1/2	20

Parallel Arm Fusible Link Closers

Maximum Degree Of Opening — 180 degrees

Closer Number			Max. Size Of Doors	Projection Case Of Closer, In.	Weight, Lb. Each (Approx.)
With Stop Arm Bracket	With Soffit Arm Bracket	With Soffit Post Arm Bracket			
P1592F	P2592F	P4592F	2′4″	3 15/16	13
P1593F	P2593F	P4593F	2′ 8″	3 15/16	13
P1594F	P2594F	P4594F	3′ 4″	4 1/4	16
P1595F	P2595F	P4595F	4′ 0″	4 1/2	21
P1596F	P2596F	P4596F	4′ 6″	4 1/2	21

See page 297 for flush transom application.

Hospital Type Door Closers, Two-Point Holding For Control Of Hospital Room Doors

Reversible

In appearance this closer matches hold-open closer shown on page 293.

These closers are arranged with a hold-open device to hold doors open at 20° or 90° on regular closers. These angles may be varied by loosening the clamping screw in holding ring, turning ring to position required, and re-tightening clamping screw securely.

packed: 1 per box with screws, wrench and full directions for applying.

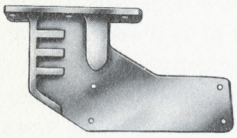
Closer Number		Type Of Door	Max. Size Of Door	Projection Inches	Weight, Lb. Each (Approx.)
With Surface Arm Bracket	With Mortise Arm Bracket				
592HH	M592HH	Interior doors wood or metal	2′8″	3 15/16	13
593HH	M593HH		3′4″	3 15/16	13
594HH	M594HH		4′0″	4 1/4	16
595HH	M595HH		4′6″	4 1/2	21
596HH	M596HH		4′0″	4 1/2	21

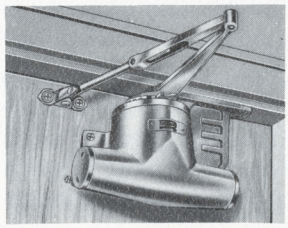
59 Series Door Closers

We recommend the use of the soffit bracket whenever possible since it locates the closer the greatest distance from the hinge center, giving maximum closing power.

Brackets For Application Of Surface Door Closers — Malleable Iron

Soffit Bracket



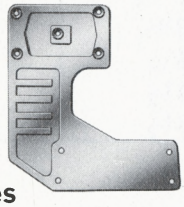


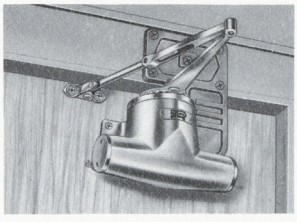
527 Series

Soffit bracket to be used when necessary to apply bracket to soffit or head of door frame. Maximum degree of opening 135°.

Bracket Number	For Closer Size	Base, Inches		Weight Lbs. (Approx.)
		Width	Length	
527-23	2, 3	1⅜	4½	1⅞
527-34	4	1½	4¾	2⁷⁄₁₆
527-456	5, 6	1⅝	5³⁄₁₆	3¼

Flush Bracket



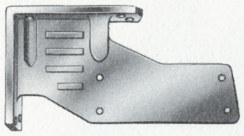


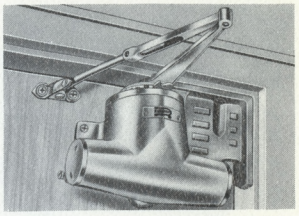
529 Series

Flush bracket should be specified if soffit or corner bracket cannot be used. Surface of door trim must be flat to allow firm anchorage for bracket. Maximum degree of opening 135°.

Bracket Number	For Closer Size	Base Plate, Inches	Weight Lbs. (Approx.)
529-23	2, 3	2⁵⁄₁₆ x 3⅞	2³⁄₁₆
529-34	4	2⅝ x 4¼	2¾
529-456	5, 6	2¾ x 4¾	3¼

Corner Brackets





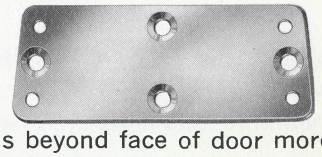
535 Series Type Of 526 Series

Corner bracket should be used where conditions prevent application of closer to door, i.e., exterior door opening out, transverse wall that prevents door opening 90° or for appearance. Construction of bracket affords maximum support for closer.

Bracket Number	For Closer Size	Base, Inches			Weight Lbs. (Approx.)
		Width	Height	Length	
Doors Opening To 180°					
535-23	2, 3	1⅛	4³⁄₁₆	6¹⁄₁₆	2⁷⁄₁₆
535-34	4	1⁵⁄₁₆	4¼	6⅝	3⅜
535-456	5, 6	1⁵⁄₁₆	4⅞	7⁵⁄₁₆	4⅜
For use in mounting closer with overhead door holders.*					
526-23	2, 3	1⁵⁄₁₆	5¾	5	4⁵⁄₁₆
526-34	4	1⁵⁄₁₆	6¼	5	4⅞
526-456	5, 6	1⅜	6½	5	6⅜

*This bracket has a 1¾ in. greater drop. Maximum degree of opening 110° when used with door holders, 180° when used alone.

Closer Mounting Bracket



537 Series

When trim extends beyond face of door more than ⅛ in. (but less than ¾ in.) this special closer plate bracket must be used to mount hold-open closers. Furnished only when ordered.

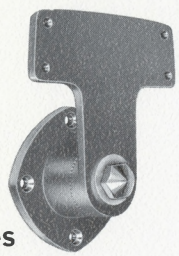
Bracket Number	For Closer Size	Overall Size, Inches	Weight, Lbs. (Approx.)
537-23	2, 3	4¹⁵⁄₁₆ x 1¹³⁄₁₆	1
537-34	4	5¼ x 2	1¼
537-456	5, 6	5¹¹⁄₁₆ x 2³⁄₁₆	1½

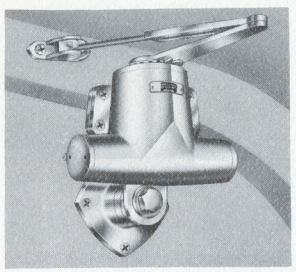
All brackets packed 1 per box with wood and machine screws.

SPECIFY BRACKET NUMBER AND FINISH

Brackets For Application Of 59 Series Door Closers, Malleable Iron

Adjustable Bracket





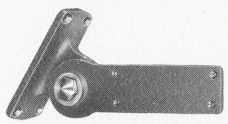
531 Series

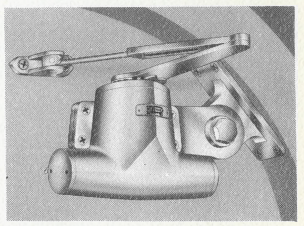
Adjustable bracket should be used for segment, circle or gothic head doors when closer is applied on the hinge side of the door. Bracket is attached to door.

Bracket Number	Closer Size	Base Diam. Inches	Regular *Recess, Inches	Weight Lbs. (Approx.)
531-23	2, 3	3 15/16	1¼	3
531-34	4	3 15/16	1¼	3¼
531-456	5, 6	3 15/16	1¼	3½

*Can be furnished with spacers for 1½, 1¾, 2 or 2¼ in. recess when so ordered.

Adjustable Bracket





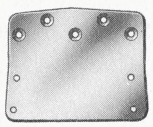
532 Series

Adjustable bracket should be used on segment, circle or gothic head doors, opening out and where conditions are such that closer cannot be applied to hinge side of door.

Not reversible, specify hand. (Right hand shown.)

Bracket Number	Closer Size	Base, Inches		Weight Lbs. (Approx.)
		Width	Length	
532-23	2, 3	2	5 5/16	3⅜
532-34	4	2	5 5/16	3¾
532-456	5, 6	2½	5 13/16	5¾

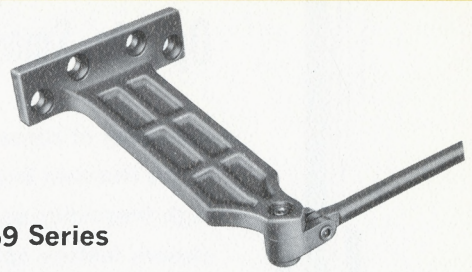
Drop Plate Bracket



536 Series

Drop plate bracket should be used when width of top rail of door is insufficient to allow application of closer in regular manner. Minimum top rail required with this bracket is 2 inches.

Bracket Number	Closer Size	Plate, Inches		Weight Lbs. (Approx.)
		Width	Length	
536-23	2, 3	5	3⅜	1¼
536-34	4	5⅜	4⅛	1¾
536-456	5, 6	5¾	4⅝	2¼



359 Series

Parallel arm bracket for flush transom application. When ordering closers with this bracket use following numbers:

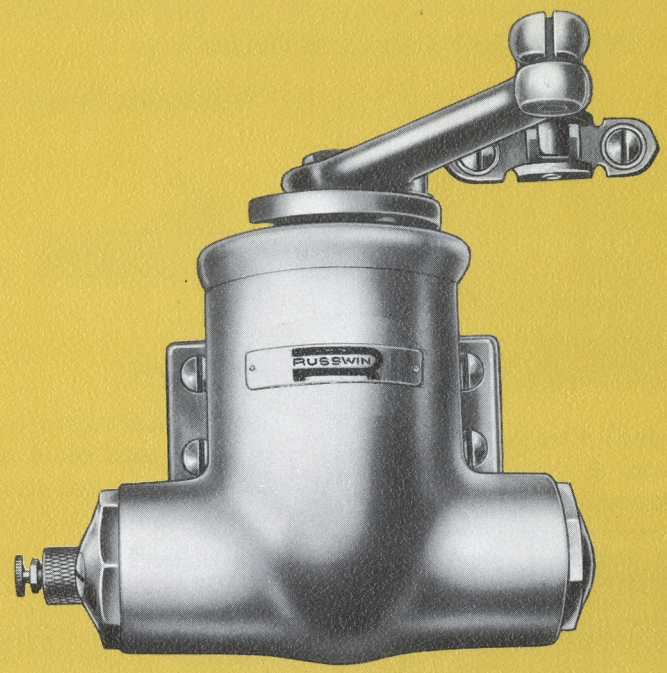
Closer Size	Closer Number		
	Regular	Hold-Open	Fusible Link
2	P3592	P3592H	P3592F
3	P3593	P3593H	P3593F
4	P3594	P3594H	P3594F
5	P3595	P3595H	P3595F
6	P3596	P3596H	P3596F

When bracket only is required specify No. 359-23 for sizes 2 and 3; 359-456 for sizes 4, 5 and 6.

All brackets packed 1 per box with wood and machine screws.

SPECIFY BRACKET NUMBER AND FINISH

Surface Door Closers



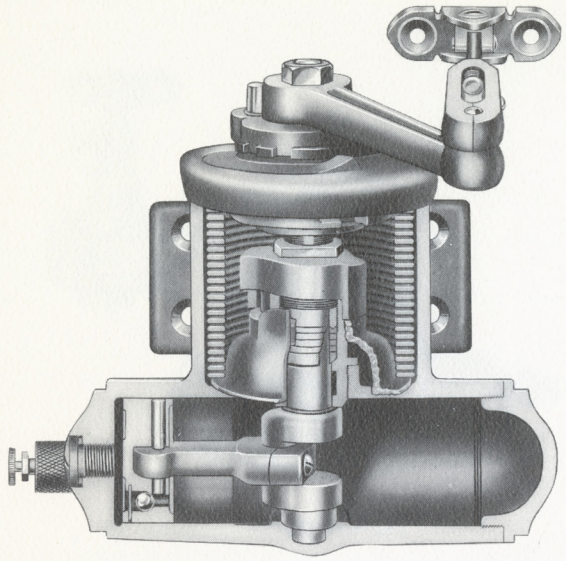


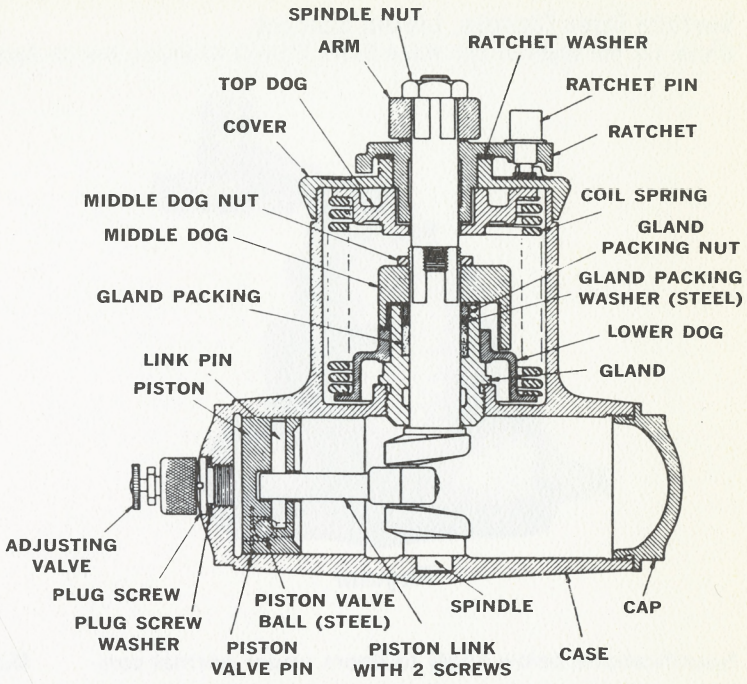
RUSSWIN Quality-Built Reversible Surface Door Closers Operate Smoother, Wear Longer

Simplicity of construction combined with rugged precision-machined materials result in the Russwin line of universal surface door closers — "tops" in performance, under high frequency service year after year. Designed with efficient door closing in mind, closers feature spindle of one-piece drop-forged steel, carefully machined and accurately ground to a smoothness that eliminates friction, increases closer life. Spindle is supported by not one, not two, but *four* bearings. Result? Unyielding support — all the way! Exceptionally quiet closing and controlled speed adjustment are combined by a single valve, easily adjusted to control door perfectly under varying conditions. It is not necessary to adjust the arm to get control — it is natural to the construction. Every closer carries the Russwin guarantee and is thoroughly tested and adjusted to operate on a full-size right or left-hand door before leaving the factory.

Recommended for Schools, Hospitals, Hotels, Factories, Office Buildings and other Installations.

Specifications





Case: Cast iron, with piston cylinder machined to close tolerances.

Cap: Cast iron.

Cover: Cast iron, provides support for top bearing in ratchet.

Ratchet: Malleable iron, top bearing for shaft. Means of adjusting spring tension. Transmits spring power to spindle.

Ratchet Washer: Fibre.

Top Dog: Cast iron, holds top end of spring. Connected with ratchet to transmit spring power to spindle.

Middle Dog: Malleable iron. Connected to spindle delivers spring power through lower dog to spindle.

Lower Dog: Malleable iron, holds bottom end of spring and connected to middle dog.

Spindle: Steel drop forging, ground to close tolerances to form close fit with bearings.

Gland: Cast iron, serves as main bearing for spindle, contains shaft and capillary chamber with two return port holes to return liquid to chamber.

Packing Nut: Steel, holds packing in place, serves as bearing for spindle.

Gland Packing Washer: Steel.

Gland Packing: Metallic type.

Loop Screw: Steel.

Piston: Cast iron, ground to smooth finish to form close fit with cylinder to give high compression and checking control.

Piston Link: Malleable iron, unusually heavy to withstand regular and any unusual strain.

Link Pin: Steel, connects link to piston.

Piston Ball Valve: Steel, allows passage of liquid into chamber. Forms perfect seal when door closes.

Pin: Steel, holds ball valve in place.

Spring: Steel, tempered, powerful. Helical torsion type, has maximum resiliency to guard against crystallization and insure long life.

Ratchet Pin: Steel, permits adjustment of spring torsion.

Arm: Drop forged steel.

Extension Arm And Bracket: Steel and malleable iron, connects loop connection to door frame.

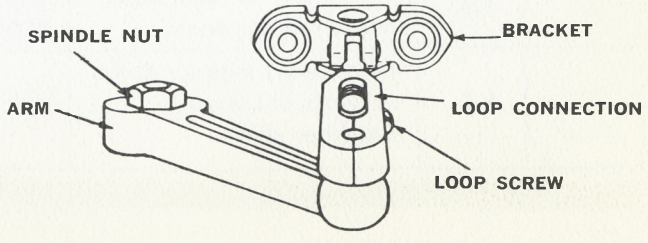
Loop Connection: Malleable iron, fastens to arm on closer and extension arm.

Spindle Nut: Steel, holds arm to shaft.

Plug Screw: Steel.

Washer: Seal for plug screw.

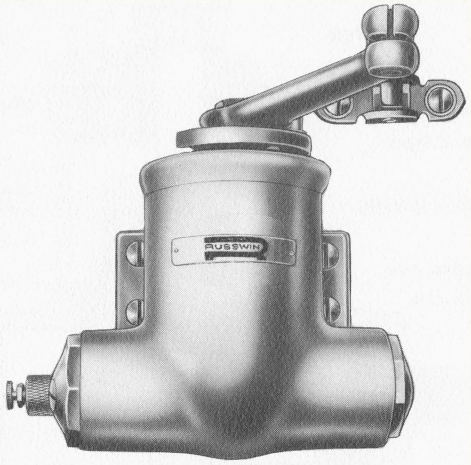
Adjusting Valve: Brass, contains speed and latch closing adjustment.



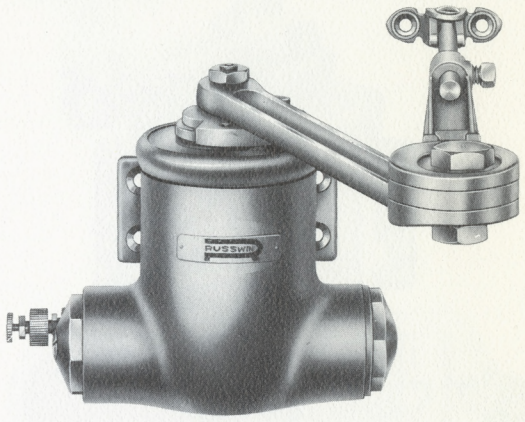
Surface Door Closers

Surface Door Closers, Liquid Control

Universal, For Right Or Left-Hand Doors Without Changing Arm Or Spring



Regular



Hold-Open

Specifications below apply to doors under normal conditions. If door is unusually heavy or is subject to very strong draughts use closer larger than that specified.

U.L. Listing: Sizes C to F non hold-open are approved by Underwriters Laboratories for use on all classes of doors, single or pairs.

Conforms to Federal Specification 3004.

Finishes:
DBL — dull bronze lacquer
SBL — silver aluminum lacquer
FBL — flat black lacquer
USP — prime coat (for paint)

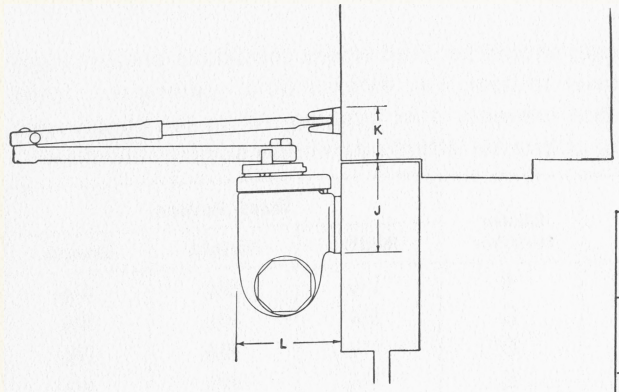
Closers are not furnished in oil paint finishes.
Door closers packed one in a box complete with wood and machine screws, wrench and full directions for applying.

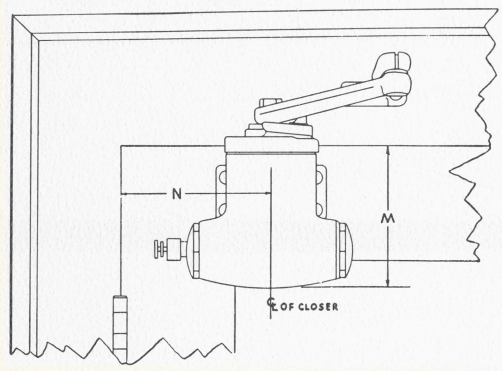
Closer Number		Type Of Door	Max. Size Of Door	Project. Case Of Closer Inches	Min. Top Rail Inches	Packed Per		Weight, Lb., Each Iron (Approx.)
Regular	Hold-Open					Box	Case	
B	B-1	Heavy screen doors or medium weight interior doors, wood or metal	3′ 0″ x 7′ 0″ x 1⅜″ 2′ 8″ x 7′ 0″ x 1¾″	3⅞	2 15/16	1	6	10
C	C-1	Light exterior doors and interior doors of wood or metal	2′ 6″ x 7′ 0″ x 1¾″ 3′ 0″ x 7′ 0″ x 1¾″	4	3 5/16	1	5	13¾
D	D-1	Exterior doors and heavy interior doors of wood or metal	3′ 0″ x 7′ 6″ x 2¼″ 4′ 0″ x 7′ 6″ x 2¼″	4⅜	3⅜	1	4	17½
E	E-1	Heavy exterior doors and heavy interior doors	3′ 6″ x 7′ 6″ x 3″ 4′ 6″ x 7′ 6″ x 2¼″	4⅞	3 9/16	1	3	22
F	F-1	Extra heavy exterior doors or doors of unusual height or width	4′ 0″ x 7′ 6″ x 3″	4⅞	3 9/16	1	2	22¼

SPECIFY NUMBER AND FINISH

Application Dimensions

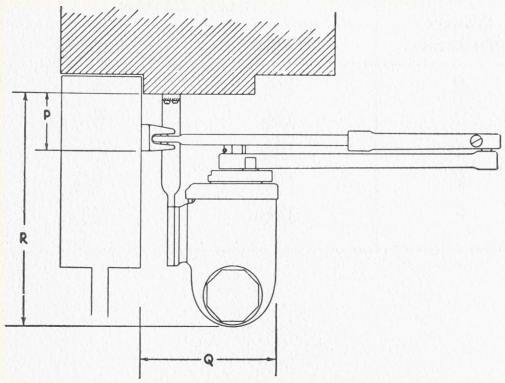
Closer Applied To Door





Closer Number	Dimensions, Inches				
	J	K	L	M	N
B B-1	2 15/16	1 7/8	3 7/8	5	6 7/8
C C-1	3 5/16	1 11/16	4	5 5/8	8
D D-1	3 3/8	1 13/16	4 3/8	6 1/8	8 7/8
E E-1	3 9/16	1 13/16	4 7/8	6 3/4	9 7/8
F F-1	3 9/16	1 13/16	4 7/8	6 3/4	10 7/8

Closer Applied To Corner Bracket No. 128

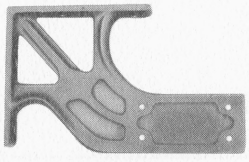


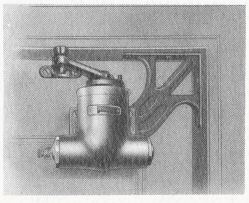
Closer Number	Dimensions, Inches		
	P	Q	R
B B-1	2 1/8	4 3/8	8 1/4
C C-1	2 1/4	4 5/8	8 7/8
D D-1	2 1/2	5	9 5/8
E E-1	3 1/8	5 5/8	10 3/4
F F-1	3 1/8	5 5/8	10 3/4

Surface Door Closers

Brackets For Application Of Surface Door Closers — Malleable Iron

Corner Bracket

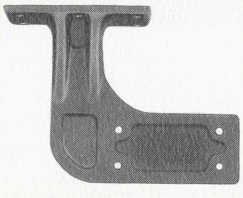


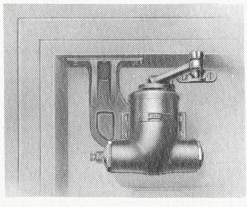


Corner bracket should be used where conditions prevent application of closer to door, i.e., exterior door opening out, transverse wall that prevents door opening 90° or for appearance. Construction of bracket affords maximum support for closer.

Bracket Number	Closer Number	Base, Inches		
		Width	Height	Length
128B	B	1⅛	5⅛	4⅝
128C	C	1¼	6⅛	5⅝
128D	D	1¼	6⅛	5⅝
128E	E	1½	6¾	6⅛
128F	F	1½	6¾	6⅛

Soffit Bracket





Soffit bracket to be used when necessary to apply bracket to soffit or head of door frame.

Bracket Number	Closer Number	Base, Inches	
		Width	Length
127B	B	1½	4
127C	C	1⅝	5
127D	D	1⅝	5
127E	E	1⅝	5⅛
127F	F	1⅝	5⅛

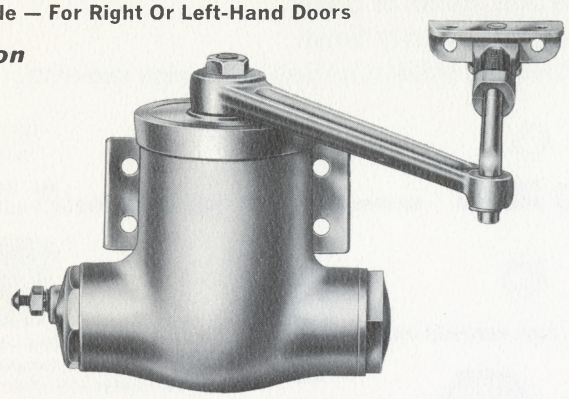
All brackets packed 1 per box with wood and machine screws.

SPECIFY BRACKET NUMBER AND FINISH

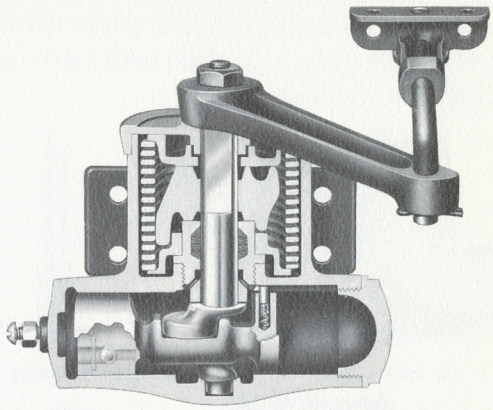
Closer For Screen Doors And Light Interior Residential Doors — Liquid Control

Reversible — For Right Or Left-Hand Doors

cast iron



No. 8



The Russwin screen door closer No. 8 resembles in appearance our regular line of door closers and requires only 3¼ inches between house and screen doors. Width of rail required for inside application is 3½ inches, and for outside application 2½ inches.

Reversible for either right or left hand doors and can be applied inside, between house and screen doors or on the outside. Simply remove arm and place it on closer for desired application as explained in direction sheets and templates packed with each closer.

Speed of door can be readily and accurately governed by means of adjusting screw or valve, a turn to the left increasing, and a turn to the right decreasing its speed.

Dull bronze finish regularly furnished unless otherwise specified. Application directions with each closer.

packed: 1 per box
6 per case

Construction

Spindle Or Crankshaft — One piece drop forged steel supported at the bottom end giving a four point bearing as in the regular line of door closers, described on page 272.

Gland — Packed with composition, cork and leather washers assuring an evenly and tightly packed joint.

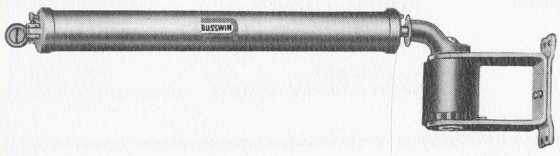
Piston — Has an extra long bearing supported at both ends accurately machined and fitted, assuring a perfect compression and checking control.

Spring — A flat rectangular wire spring as in the regular closers. This type of spring allows maximum resiliency thereby guarding against crystallization and breakage.

Closer Number	Space Between Doors, In.	Project. Inches	Weight, Lb. Each (Approx.)
8	3¼	2⅞	5¼

Screen Door Closers, Air Controlled (Pneumatic)

Reversible — For Right Or Left-Hand Doors



Closer Number	Length Overall, In.	Jamb Bracket, In.	Space Between Doors, In.	Packed Per		Weight, Lb. (Approx.) Each
				Box	Container	
5	18¾	3¾ x 1¾	2¼	1	12	3½

Wrought Steel Tubing And Brackets

Coiled torsion type spring encased in jamb bracket protected from weather. Spring has adjustable tension to increase or decrease force of closing. Needle type valve screw at end of tube to control speed of closing. Application directions with each closer. Furnished regularly with hold-open washer to hold door open at any point up to 90°.

Available with "By-Pass" feature to obtain a quick release and overcome air pressure between doors and weatherstripping. Furnished only when ordered, suffix **B** to number, i.e., 5B.

Finishes:

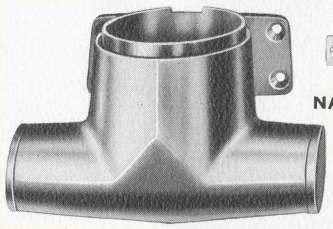
DBL — dull bronze lacquer
SBL — silver aluminum lacquer

Conforms to Federal Specification 3015.

Surface Door Closers

Parts For 59 Series (Model 159 and 163) Door Closers

When ordering parts specify part number, size, name and model of closer.
If outside parts in other than dull bronze finish are wanted, specify finish.
Arm sub-assemblies are furnished with parts assembled (as shown) unless otherwise ordered.
Parts are also shown separately.


No. 200 – CASE


No. 209 NAMEPLATE

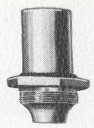

No. 201 – SPINDLE


No. 202 SPINDLE PACKING


No. 203 SPINDLE PACKING WASHER

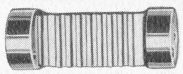

No. 204 SPINDLE PACKING NUT


No. 205 – TOP BEARING NUT

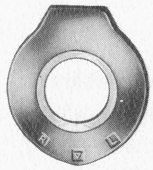

No. 206 – GLAND


No. 207A – RATCHET
(for model 163, interchangeable with model 159 when used with arm sub-assembly 220A)


No. 245 DOG AND PIN SUB-ASSEMBLY
(For model 163)


No. 208 – PISTON SUB-ASSEMBLY


No. 212 – MAIN SPRING

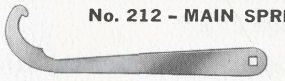

No. 213 – COVER

No. 214 – COVER DOWEL


No. 215 – VALVE

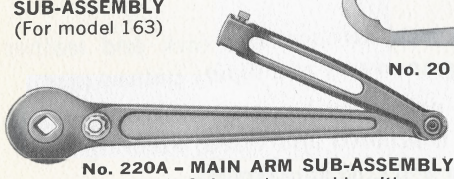

No. 216 – KEY VALVE


No. 217 – KEY

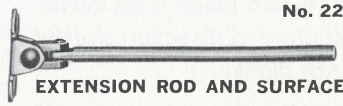

No. 20 – RATCHET WRENCH


No. 221 – MAIN ARM WASHER

No. 222 – MAIN ARM ATTACHING SCREW

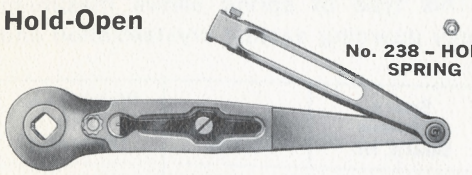

No. 220A – MAIN ARM SUB-ASSEMBLY
(For model 163, interchangeable with model 159 when used with ratchet 207A)


No. 246 DOG KNOB


EXTENSION ROD AND SURFACE BRACKET


No. 224 – EXTENSION ARM SCREW

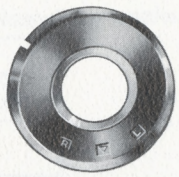
Hold-Open


No. 230 – HOLD-OPEN ARM SUB-ASSEMBLY

No. 238 – HOLD-OPEN SPRING NUT


No. 231 HOLD-OPEN SPRING — UPPER


No. 232 HOLD-OPEN SPRING — LOWER


No. 239 – HOLD-OPEN COVER


No. 241 HOLD-OPEN RING SCREW

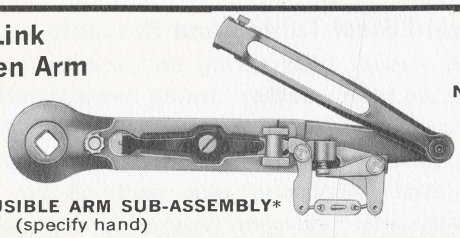

No. 233 HOLD-OPEN SPRING LINER


No. 235 HOLD-OPEN ROLLER SUB-ASSEMBLY

No. 237 – HOLD-OPEN SPRING SCREW

No. 240 – HOLD-OPEN RING

Fusible Link Hold-Open Arm


No. 242 – FUSIBLE ARM SUB-ASSEMBLY*
(specify hand)


No. 231 – HOLD-OPEN SPRING — UPPER


No. 232 – HOLD-OPEN SPRING — LOWER


No. 233 – HOLD-OPEN SPRING LINER


No. 226 FUSIBLE LINK*


No. 237 HOLD-OPEN SPRING SCREW

No. 238 HOLD-OPEN SPRING NUT

Hospital Hold-Open

No. 243 – HOSPITAL ARM SUB-ASSEMBLY

No. 231 – HOLD-OPEN SPRING — UPPER

No. 232 – HOLD-OPEN SPRING — LOWER

No. 233 – HOLD-OPEN SPRING LINER

No. 241 HOLD-OPEN RING SCREW

No. 227 HOLD-OPEN PAWL SUB-ASSEMBLY

No. 237 – HOLD-OPEN SPRING SCREW

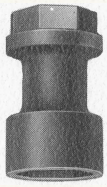
No. 238 HOLD-OPEN SPRING NUT

No. 244 HOSPITAL HOLD-OPEN RING

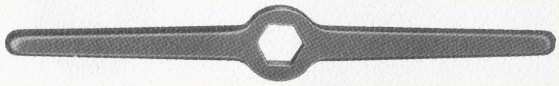
*Fusible links are available to melt at 125° F and 160° F. Specify which required.

Tools For 59 Series — Model 163 Door Closers

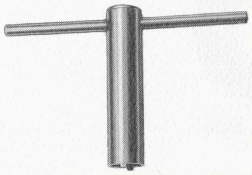
Specify size of closer and number of repair tool wanted when ordering.



No. 552 GLAND WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



No. 558 HANDLE FOR GLAND AND CAP WRENCH
For sizes B-C-D-E and F
One handle used for all sizes.
(Used in conjunction with parts 552 and 560)



No. 566 WRENCH TO TIGHTEN SPINDLE PACKING NUT
For sizes B-C-D-E and F
Different size wrench used on each size.



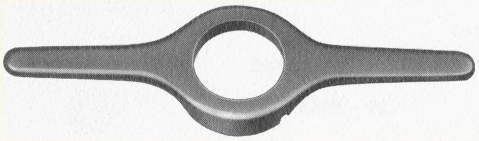
No. 560 END PLUG WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



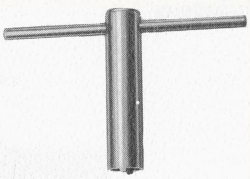
No. 571 SPINDLE PACKING ASSEMBLING TOOL
For sizes B-C-D-E and F
Different size packing tube used on each size.

All tools for E and F closers are identical.

Tools For No. 8 Screen Door Closer



No. 8-1
COVER WINDING WRENCH



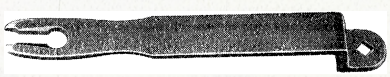
No. 8-6
GLAND PACKING NUT WRENCH



No. 8-3
GLAND WRENCH



No. 8-2
CAP WRENCH



No. 8-4
TOOL FOR INSERTING PISTON AND HOLDING SPINDLE



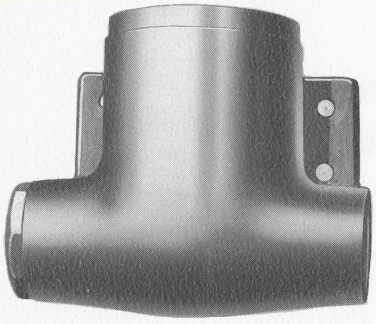
No. 8-7
GLAND PACKING TUBE

Liquid for door closers available in pint, quart and gallon cans.

Surface Door Closers

Parts For Screen Door Closer No. 8

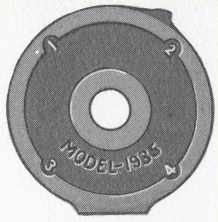
When ordering specify part number for No. 8 closer. If outside parts in other than dull bronze finish are wanted, specify finish.



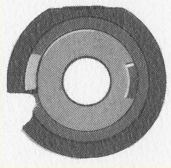
1 - CASE



2 - CAP



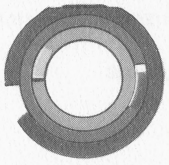
3 - COVER



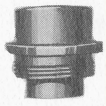
4 - TOP DOG



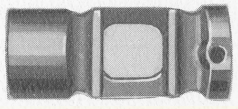
5 - MIDDLE DOG



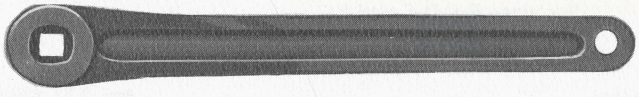
6 - LOWER DOG



7 - GLAND



8 - PISTON



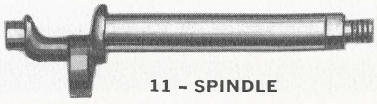
9 - MAIN ARM



12 - GLAND PACKING NUT



10 - LOOP



11 - SPINDLE



13 - EXTENSION ROD



14 - ARM BRACKET RIVET

15 - PISTON BALL PIN



16 - COMPOSITION GLAND WASHER



18 - ARM BRACKET



20 - VALVE STEM

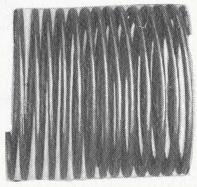


21 - SPINDLE NUT



17 - VALVE NUT

22 - PISTON PIN



19 - COIL SPRING

23 - PISTON SPRING



28 - LEATHER VALVE WASHER

24 - COTTER PIN

25 - VALVE BALL



26 - LEATHER GLAND WASHER



27 - CORK GLAND WASHER

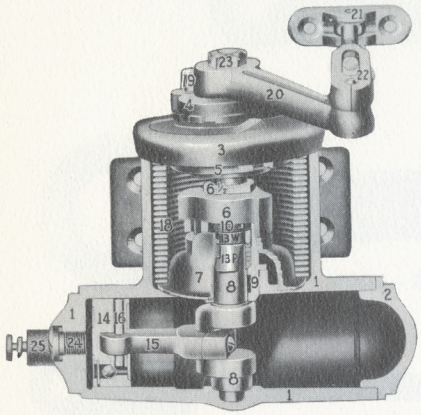


29 - SPRING LOCK RING

RUSSWIN

Parts For Russwin Door Closers B to F (Model 1952)

When ordering parts specify part number, size, name and model of closer.
If outside parts in other than dull bronze finish are wanted, specify finish.



3 - COVER

4 - RATCHET

4½ - RATCHET WASHER

CASE PIN

2 - CAP

9 - GLAND

6½ - MIDDLE DOG NUT

8 - SPINDLE

5 - TOP DOG

6 - MIDDLE DOG

7 - LOWER DOG

17 - PISTON VALVE BALL

13W - STEEL GLAND WASHER

13P - GLAND PACKING

19 - RATCHET PIN

16 - LINK PIN

17½ - PISTON VALVE PIN

15 - PISTON LINK (COMPLETE)

10 - GLAND PACKING NUT

18 - COIL SPRING

14 - PISTON

20 - ARM

21 - EXTENSION ARM & BRACKET

22 - LOOP CONNECTION AND SCREW

23 - SPINDLE NUT

24 - PLUG SCREW

24½ PLUG SCREW WASHER

NAME PLATE RIVET

Valve Parts

25 - VALVE ASSEMBLED

PACKING KNOB

VALVE TUBE

VALVE NUT

VALVE STEM AND BUTTON

VALVE STEM WASHERS

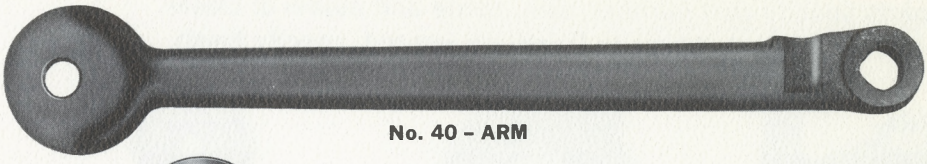
CASE NUT

VALVE TUBE WASHERS

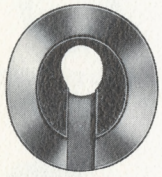
Surface Door Closers

Reg. U.S. Pat. Off.
Marca Registrada

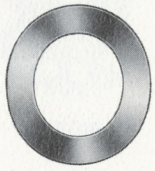
Parts For Hold-Open Arms — Door Closers B-1 to F-1



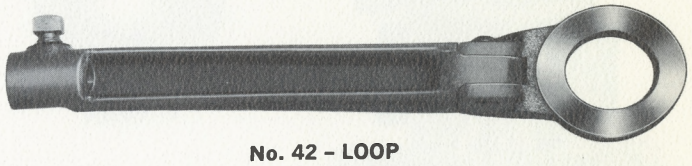
No. 40 – ARM



No. 36
TOP CAM PLATE



No. 38
FRICTION WASHER



No. 42 – LOOP



No. 35
LOCK WASHER



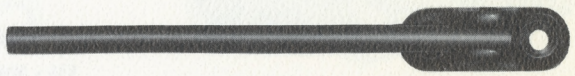
No. 33 – BOLT



No. 34 – NUT



No. 37
LOCKING DOG



No. 41 – EXTENSION ARM AND BRACKET

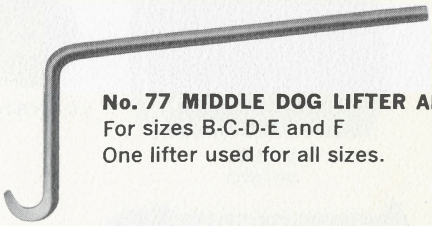
Tools For Regular Closers B to F



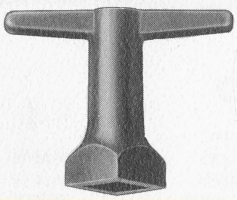
No. 52 GLAND WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



No. 58 HANDLE FOR GLAND AND CAP WRENCH
For sizes B-C-D-E and F
One handle used for all sizes.



No. 77 MIDDLE DOG LIFTER AND SPINDLE CAP
For sizes B-C-D-E and F
One lifter used for all sizes.



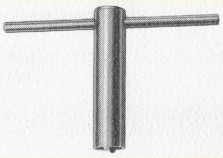
No. 76 MIDDLE DOG NUT WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



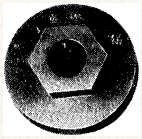
SPINDLE CAP



No. 71 PACKING TUBE
For sizes B-C-D-E and F
Different size packing tube used on each size.



No. 66 PACKING WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



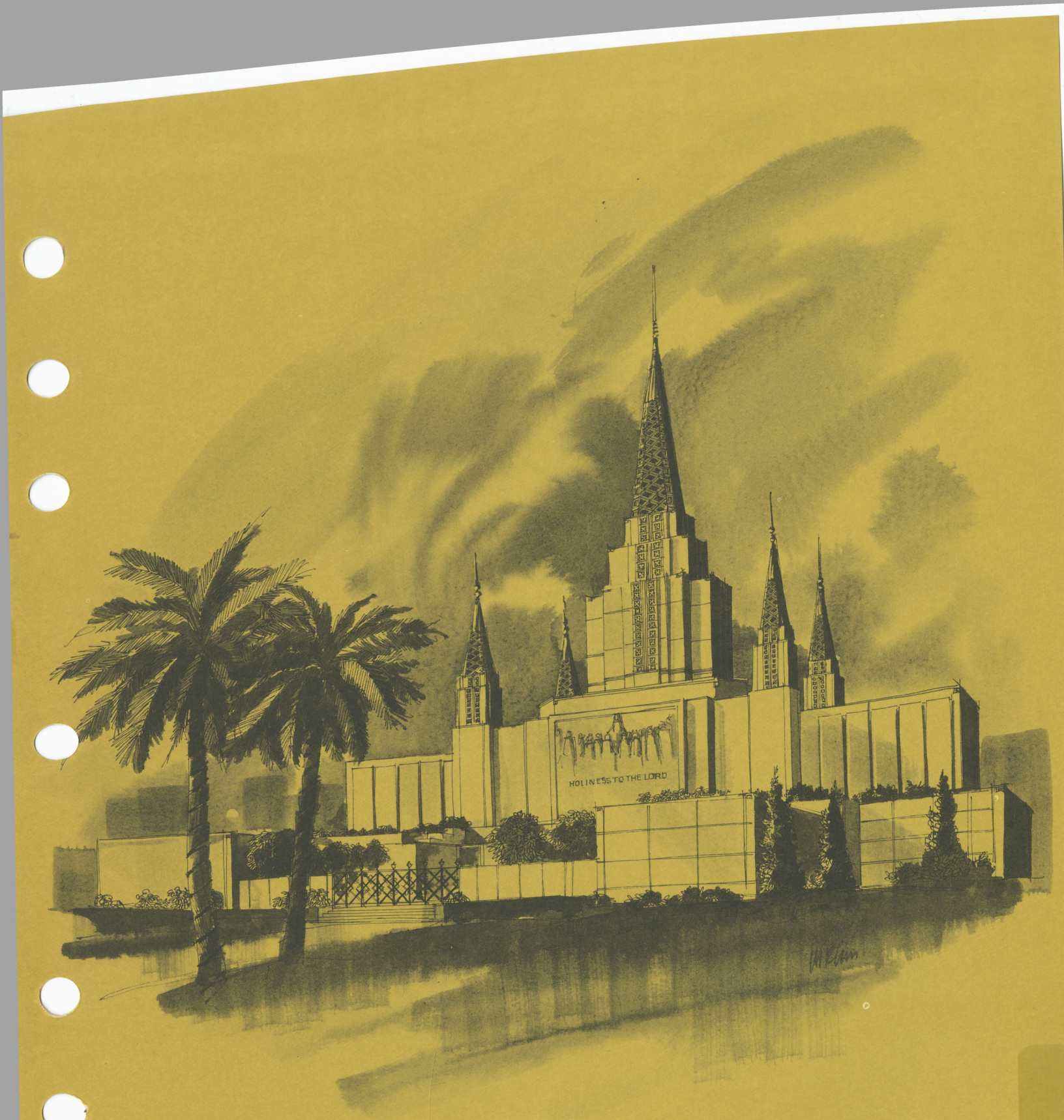
No. 60 CAP WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.

All Tools for E and F closers are identical.

Liquid for door closers available in pint, quart and gallon cans.

SPECIFY SIZE OF CLOSER AND NUMBER OF REPAIR TOOL WANTED WHEN ORDERING

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



Latter Day Saint Temple
Oakland, California

RUSSWIN

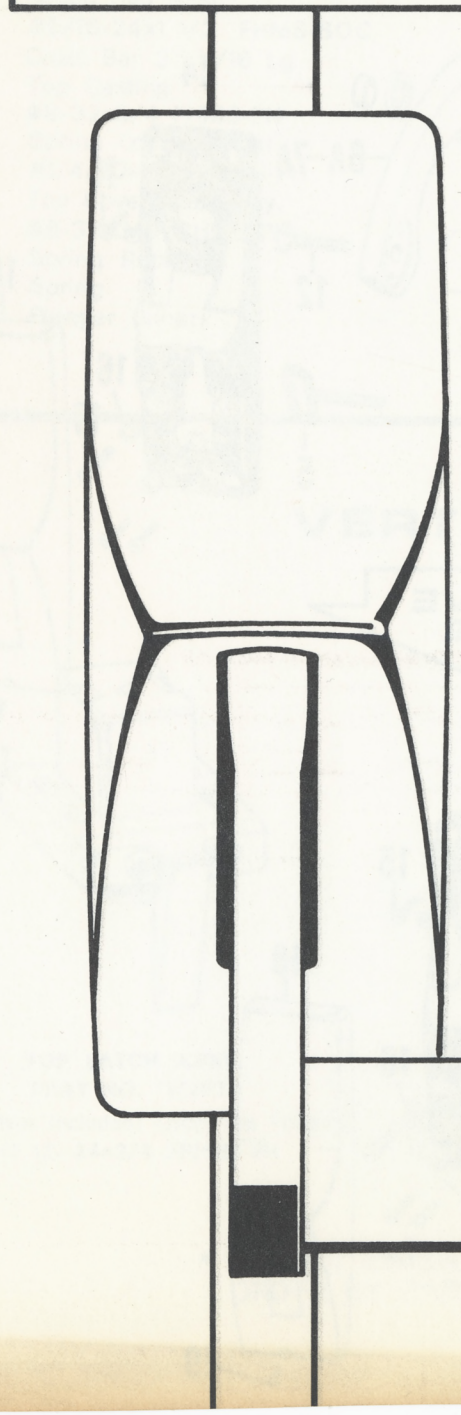
PARTS LIST

Underwriters' Laboratories Listed

"EXITER"

U780 SERIES

VERTICAL ROD

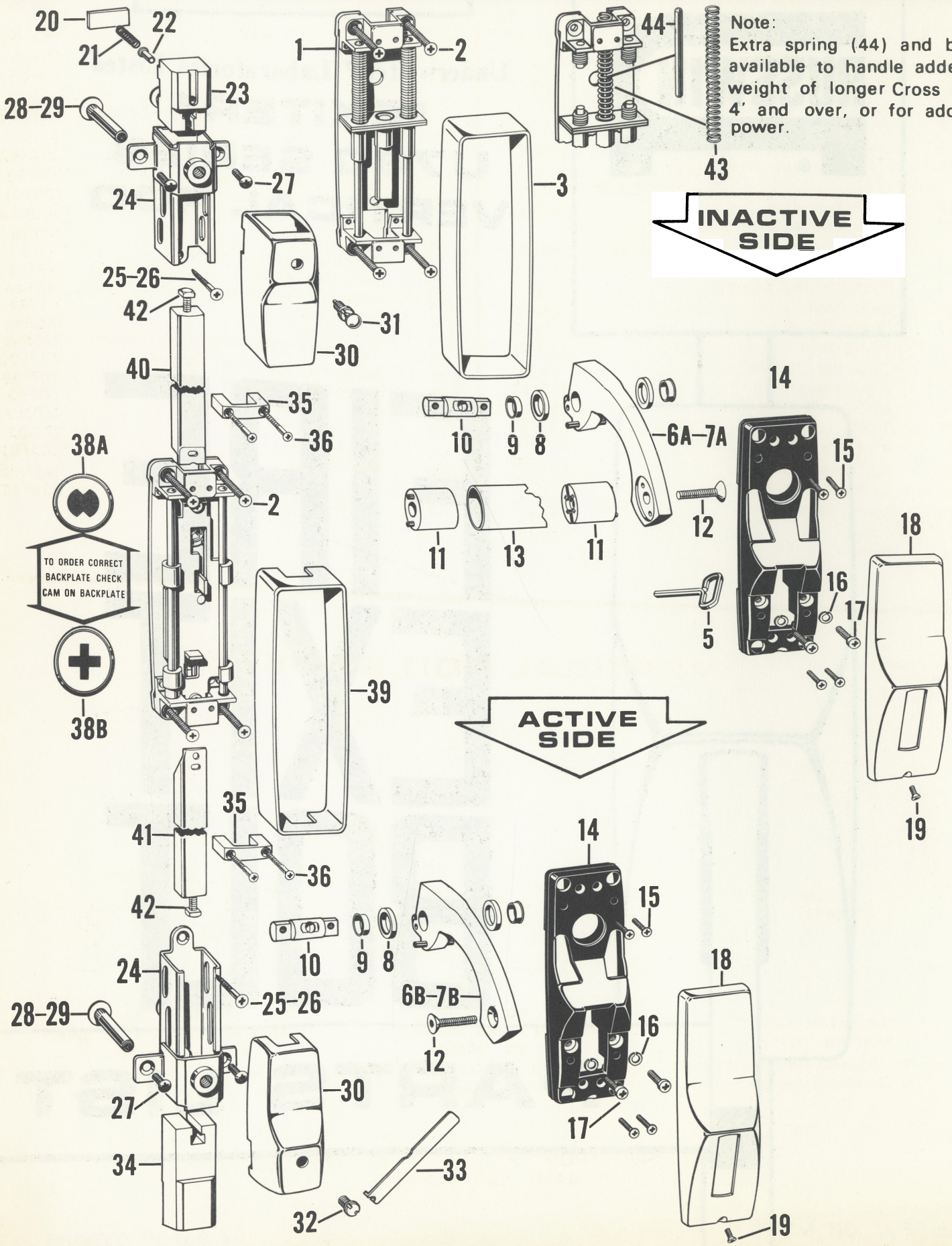


FIRE EXIT BOLT

PARTS LIST

FIRE EXIT BOLT - VERTICAL

Underwrite



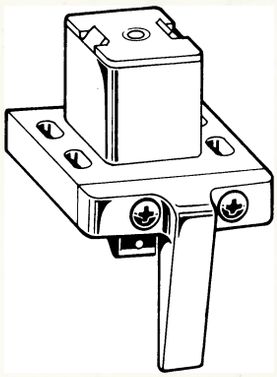
ROD TYPE
rs' Laboratories Listed

SERIES: U782, U782FT, U781, U788xU782FT, U781xU782F

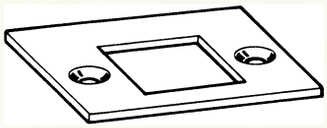
FIG. NO.	NAME	PART NO.
1	Backplate Sub Assy. (Inactive)	306F20
2	#12-24x2" FHMS-PH	255F41
3	Case	*141F84
5	Wrench	123F53
6A	Lever Sub Assy. R.H. US28	*286F91
7A	Lever Sub Assy. R.H. US3, US10, US26D, US32D	*286F90
6B	Lever Sub Assy. L.H. US28	*286F92
7B	Lever Sub Assy. L.H. US3, US10, US26D, US32D	*286F89
8	Washer (White Nylon)	147F84
9	Pivot Bushing (Nylon)	243F77
10	Lever Pivot	284F81
11	Tenon Sub Assy.	148F55
12	#5/16-24x1 1/2 FHMS-SOC.	*261F31
13	Cross Bar 37 11/16 Lg	*141L59
14	Top Casting	287F32
15	#8-32x3/4 FHMS-PH	261F30
16	Spring Lock Washer	243F79
17	#1/4-20x5/8 FRMS-PH	243F80
18	Top Cover Sub Assy.	*243F85
19	#8-32x3/8 OHMS-PH	*254F73
20	Spring Retainer	177F74
21	Spring	177F72
22	Plunger (Inner)	177F73

FIG. NO.	NAME	PART NO.
23	Pusher	177F75
24	Frame & Bridge Sub Assy.	177F85
25	#12—24x7/8-OHU-MS-PH (For 1 3/4" & 2" Doors)	*304F65
26	#12—24x1 1/8"-OHU-MS-PH (For 2 1/4" Doors)	*304F66
27	Screw (Metal Doors)	*107F32
28	Sex Nut (For 1 3/4" & 2" Doors)	*209F01
29	Sex Nut (For 2 1/4" Doors)	*209F02
30	Case Cover	*177F76
31	Plunger Sub Assy. (Outer)	*177F83
32	Retaining Screw	*148F18
33	Wrench , Mounting	148F44
34	Bottom Latch	177F87
35	Rod Guide	*148F45
36	#8—32x1" OHMS-PH (Metal Doors)	*270F18
38A	Backplate Sub Assy. (Active)	288F00
38B	Backplate Sub Assy. (Active)	287F99
39	Case (Active)	177F93
40	Top Rod	*177L90
41	Bottom Rod	*177L92
42	Square Bolt	*304F07
43	Slide Spring	147F88
44	Center Rod	306F22

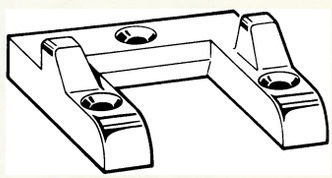
VERTICAL ROD STRIKES



TOP LATCH ASSY.
PART NO. *177F71
(Screws Not Included) Order As Follows:
(4) 12—24x3/4 FRHMS-PH



CAT. NO. U782FB
BOTTOM FLUSH STRIKE
PART NO. *304F33
(Screws Not Included) Order As Follows:
(2) 1/4 —20x1 1/4 FHMS-PH x Anchor



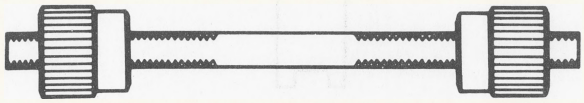
CAT. NO. U782FT
BOTTOM THRESHOLD STRIKE
PART NO. *304F34
(Screws Not Included) Order As Follows:
(3) 1/4 —20x1 3/4 FHMS-PH

* SPECIFY FINISH FROM CATALOG ON ALL EXPOSED PARTS
ORDER BY PART NAME AND NUMBER

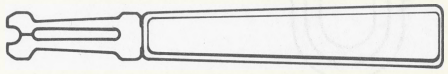
PRINTED IN U.S.A.

FORM NO. U780-69

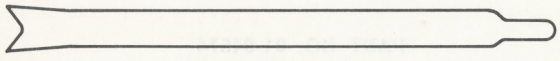
ASSEMBLY AND PRODUCT ADJUSTMENT TOOLS



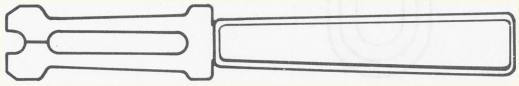
PART NO. 028
KNOB ALIGNING TOOL FOR W400
AND MORTISE LOCK TRIM



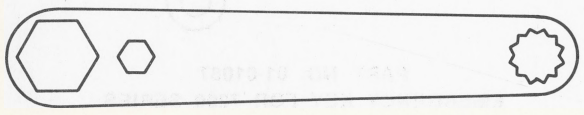
WALDES RING APPLICATOR NO. E-18
FOR UNILOC LOCKSETS 540-5/8", 551-5/8", ALSO
CERTAIN 400 SERIES STI LEMANOR LOCKSETS.



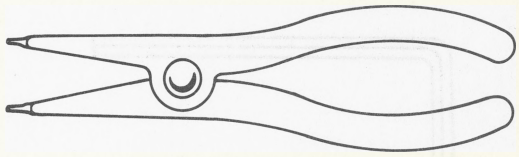
PART NO. 01-01467
CYLINDER REMOVING TOOL, LOCK 7200.



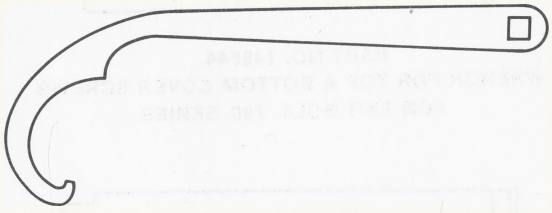
WALDES RING APPLICATOR NO. E-25
FOR UNILOC LOCKSET H-540-5/8".



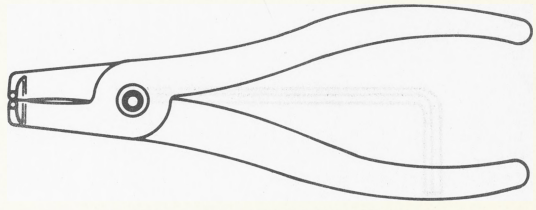
PART NO. 135F27
WRENCH FOR CLOSER 500, 2800-2810.



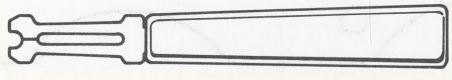
WALDES PLIER NO. 22
CYLINDER RETAINING RING
LOCK SERIES 400 & 500



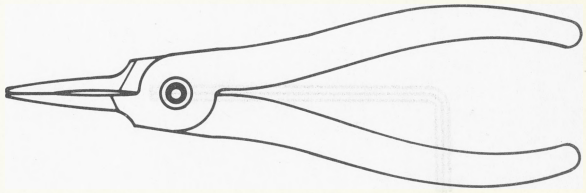
PART NO. 126F70
WRENCH FOR CLOSER 59 SERIES (MODEL 166)
RATCHET ADJUSTMENT.



WALDES PLIER NO. 101F78
KNOB RETAINING RING
LOCK SERIES 400 & 500



WALDES RING APPLICATOR NO. E-15
UNILOC LOCKSET 540 AND
ALL AUXILIARY LATCH FUNCTIONS



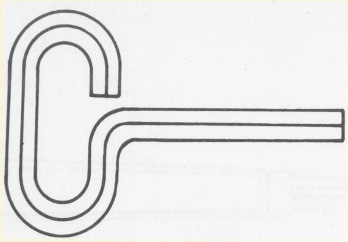
WALDES PLIER NO. 103F92
FOR REMOVAL OF RETAINING RING
FROM GROOVE IN UNILOC LEVER HANDLE

RUSSWIN
DIVISION OF EMHART CORPORATION
BERLIN, CONNECTICUT 06037

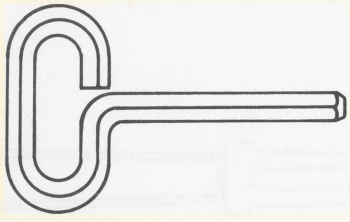
Printed in U.S.A.

Form No. R-TOOLS, 69

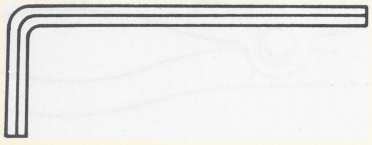
ASSEMBLY AND PRODUCT ADJUSTMENT TOOLS



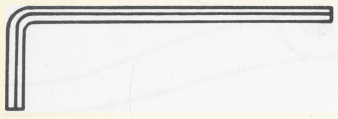
PART NO. 68F34
HEX KEY, EXIT BOLT 465, 7/32" DOGGING KEY.



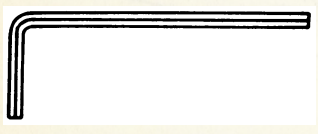
PART NO. 123F53
HEX KEY, DOGGING & CROSS BAR TENON
AND TOP BRACKET, MULLION 0568, 3/16".



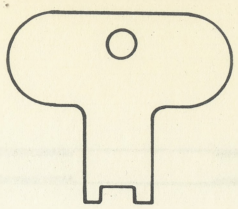
ALLEN NO. 18S
HEX KEY, LEVER HANDLE SHANK SET SCREW,
CLOSER 400 VALVE SCREW, 1/8".



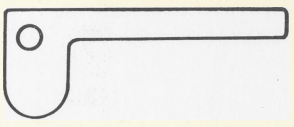
PART NO. 330F10
HEX WRENCH FOR TORQUE RELEASE
ADJUSTMENT, LEVER HANDLES T3986W
AND FOR CLOSER 500 VALVE, 3/32".



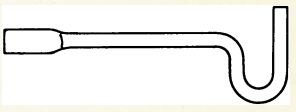
PART NO. 261F29
HEX KEY FOR RIM CYL. EXITER BOLT 736½
SET SCREW (INSIDE CYL.). 5/64"



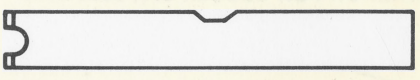
PART NO. 142F71
VALVE KEY FOR CLOSER, 59 SERIES (MODEL 166)



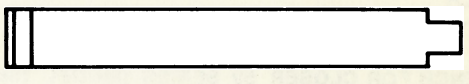
PART NO. 01-04574
EMERGENCY KEY FOR LOCK 400, 500 & 3300
PRIVACY FUNCTION.



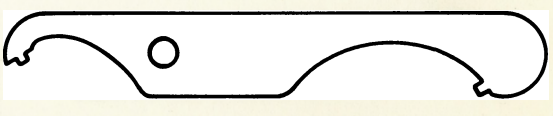
PART NO. 01-01087
EMERGENCY KEY FOR 7200 SERIES



PART NO. 148F44.
WRENCH FOR TOP & BOTTOM COVER SCREWS
FOR EXIT BOLT 790 SERIES



PART NO. 01-03484
ROSE WRENCH FOR LOCK 3300.

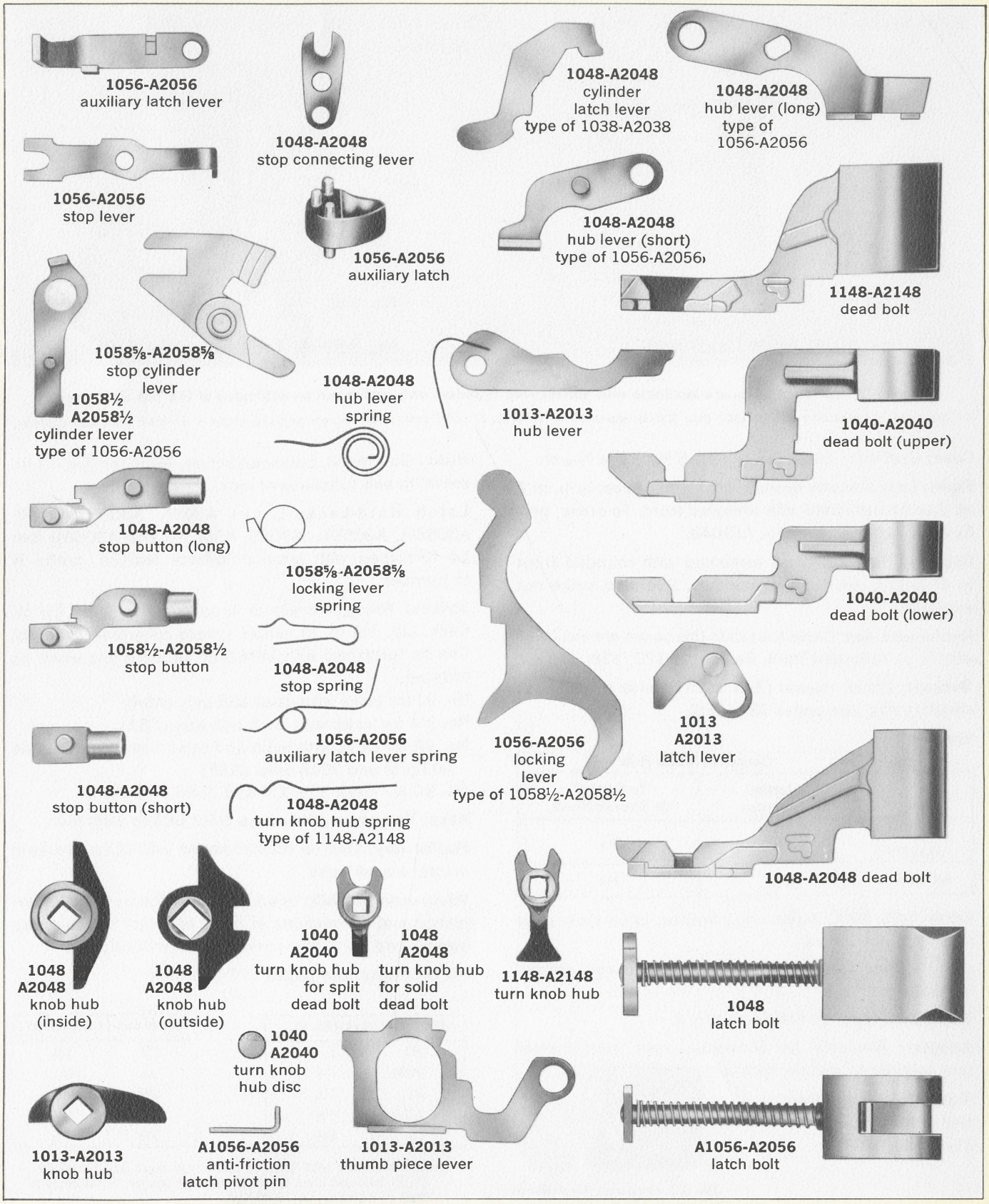


PART NO. 300F68
COMBINATION WRENCH
FOR THIMBLES, ROSES AND SLEEVES,
400 SERIES LOCKS AND SCREWLESS
MORTISE LOCK TRIM. ROSES 2-1/4 & 2-7/8 DIA.

APR 15 1971

RUSSWIN

Parts (for locks manufactured after Jan. 1, 1961)



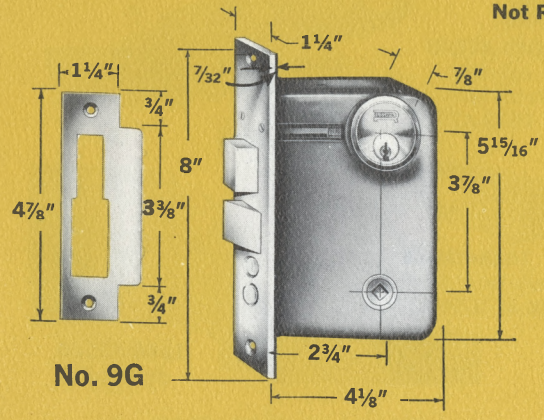
SPECIFY NUMBER, HAND AND FINISH

3000 SERIES Mortise Locks

Master Ring Cylinder — Heavy Duty

3000 Series • Plain Latch Bolt, 9/16 in. Throw

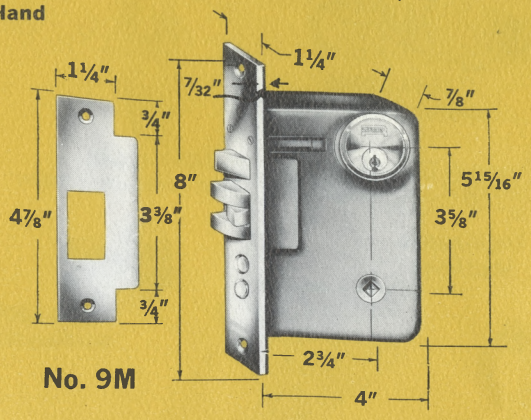
Not Reversible — State Hand



No. 9G

No. 3048, Plain Latch Bolt

A3000 Series • Antifriction Latch Bolt, 5/8 in. Throw



No. 9M

No. A3056, Antifriction Latch Bolt

The 3000 series of locks are available with master-ring cylinders only and is not an extension of the Ten Strike series.

UL approval: All functions except 3007 thru 3007¾ approved for A, B, C, D and E class doors, single or pairs. Letter K on front indicates approval.

Case: Cast iron, black lacquered, 5 15/16 x 4 x 13/16 in.

Front: Cast brass or bronze, 8 x 1¼ in.; bevel ⅛ in. in 2 in. Can be furnished with armored front. To order, prefix AF to number, i.e., No. AF3048.

Rounded Front: Can be furnished with rounded front to 4" radius, prefix **RF** to number. Rounded strike not available.

Rabbeted Front: Certain locks in this series are available with ½ in. rabbeted front. See pages 127, 128.

Backset: 2¾ in. regular (3 in. backset also available on certain locks, see pages 127, 128).

Spacing:

No.	Center Of Knob Hub	
	To Center Of Cylinder	To Center Of Thumb Knob
3048 3033EM	3⅞	3⅝
All Others	3⅝	3⅜

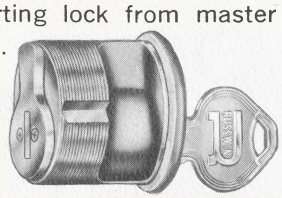
Latch Bolt: 3000 series, cast bronze, plain type, easy spring, 9/16 in. throw.

A3000 series, cast bronze, antifriction type, easy spring, ⅝ in. throw.**

Dead Bolt: Cast bronze, ½ in. throw.

Adapter: Available for converting lock from master ring cylinder to regular cylinder.

Master Ring Cylinders:
Ball bearing
1½ in. diameter



No. 21 regularly furnished. See table at right for others available.

Hubs: Gun metal, balanced action, 5/16 in. or ⅜ x 5/16 in. swivel to suit functions of lock.

Latch Hold-back: Locks A3036, A3038, A3056, A3058½, A3058⅝, A3059, A3068½ and A3068⅝ can be furnished with latch hold-back feature, prefix **H** to number.

Strikes: Wrought brass or bronze, 4⅞ x 1¼ x 3/32 in. thick. Lip, 1⅛ in. to center unless otherwise ordered. Can be furnished with 16W type wrought box when so ordered.

No. 9J for locks with dead bolt only (ASA)
No. 9M for locks with latch bolt only (ASA)
No. 9P for locks with latch and dead bolts except locks 3033EM and 3048 only. (ASA)
No. 9G for locks 3033EM and 3048 only (ASA)

Keys: Two nickel-silver keys class 6D1 to each lock.

Master-Key: Can be master-keyed with other Russwin master-keyed locks.

When ordered TMS, ½ x 12-24 machine screws are furnished and dimensions of locks conform to standards established for hollow metal door manufacturers.

For functions, see pages 127 and 128.

Number	Length, in.
20	1
20½	1⅛
21	1¼
21½	1⅜
22	1½

Number	Length, in.
23	1¾
24	2
25	2¼
26	2½
29	2¾

**Also available with ¾ in. throw in non dead-bolt functions, 2¾ in. backset only. When so desired, insert "3" after first digit of number, i.e., A33038.

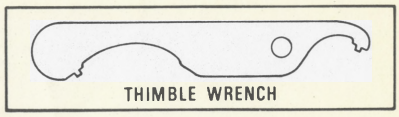
HEAVY DUTY WORKING TRIM WITH MORTISE LOCKS

(W-400, W-400W SERIES)

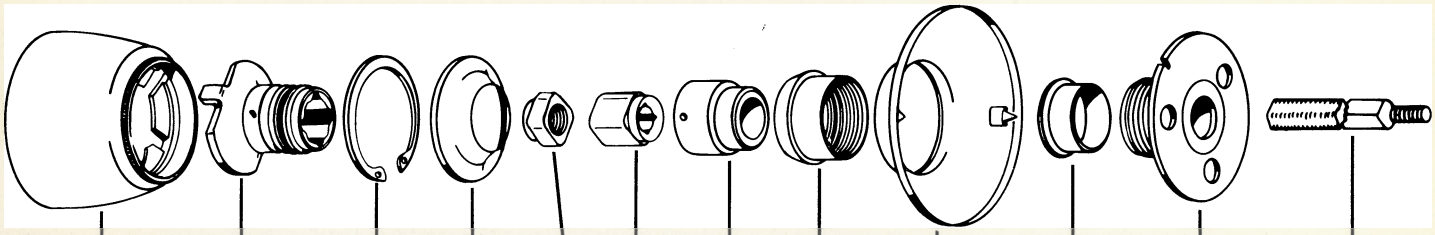
PARTS LIST

SECTION 5

FOR METAL DOORS (W–400 SERIES)

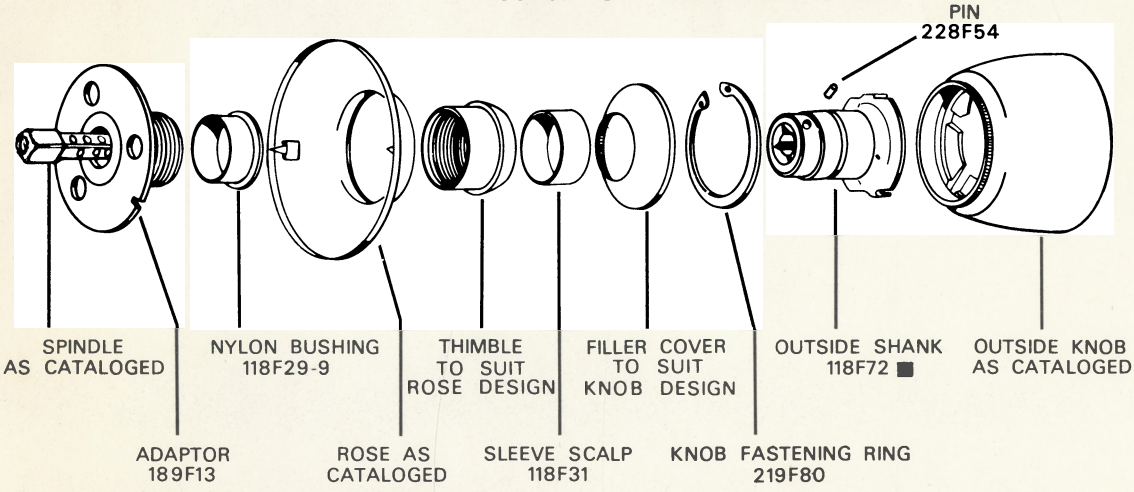


VIEW OF INSIDE TRIM

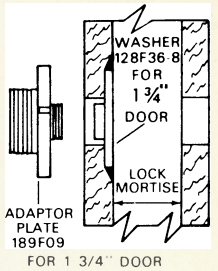


* For ERA design order 118F74. For wood or plastic material knobs order 93F48. For all other designs order 118F73. ▲Order 120F22 for wood or plastic material knobs & 206F53 for all other knob designs

VIEW OF OUTSIDE TRIM



FOR WOOD DOORS



SPECIFY FOR OTHER DOOR THICKNESS

(W–400W SERIES)

DUMMY TRIM

When ordering parts for Dummy Trim, parts listed below must be ordered in place of similar parts illustrated above (inside trim)

189F54 Adaptor
286F36 Spindle Sub Assy.

■ For ERA design order 118F75 For wood or plastic material knobs order 93F49. For all other knob designs order 118F72

Specify catalog design and finish on all exposed parts.

RUSSWIN
DIVISION OF EMHART CORPORATION
BERLIN, CONNECTICUT 06037

RUSSWIN®

"Stilemaker"

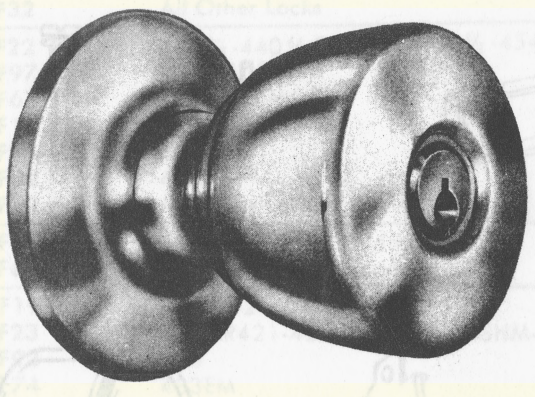
heavy-duty lock parts

KNOBS AND ROSES

To order Knobs and Roses for replacement, specify Lock Function Number, Design, Finish and state whether outside or inside Knob or Rose is required.

Unless otherwise specified, Knobs will be furnished without Cylinder, turn Buttons or Push Buttons.

For other Parts see following pages.

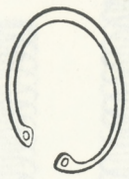


Order Parts by Part Name and Number and if possible, specify the Function Number of the Lock for which Part is to be used. (Note some Parts require that Function Number of Lock be known in order to specify correct Part Number.)

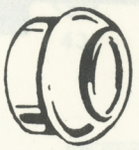
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

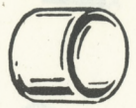
RUSSWIN

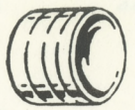
"Stilemaker" heavy-duty lock parts


2

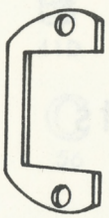

3


6

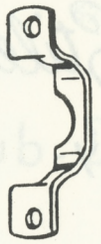

7

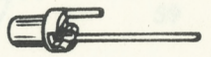

8

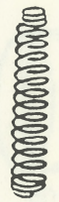

9

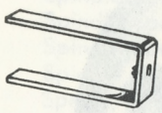

10


11

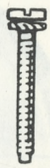

12

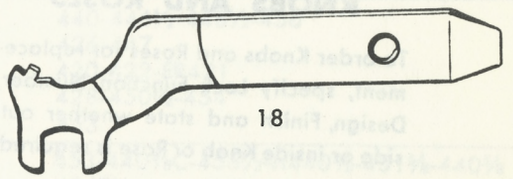

13

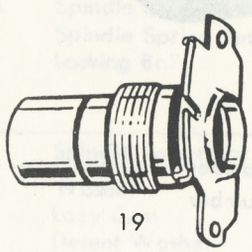

14

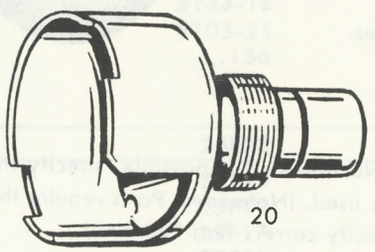

14A

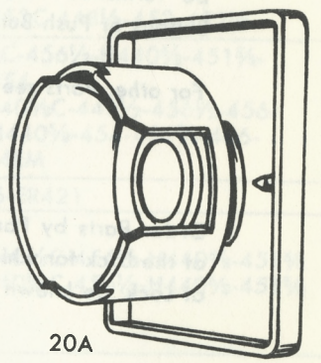

16

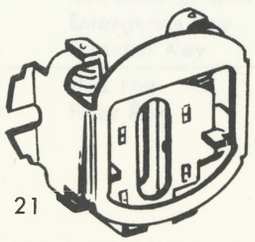

17

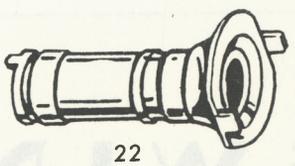

18

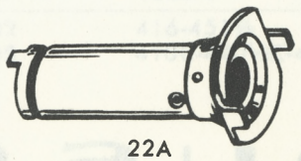

19


20


20A


21


22


22A


23


24

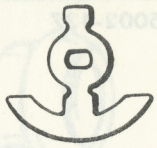
"Stilemaker" heavy-duty lock parts

RUSSWIN

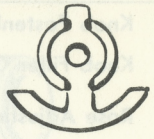
Illustration No.	PART NAME	PART No.	FOR LOCKS
2	Knob Fastening Ring	N5002-137	All Locks
3	Knob Filler Cover		Order by Name and Specify Finish, Design and Lock No.
6	Rose Adjusting Thimble		Order by Name and Specify Finish, Design and Lock No.
7	Plain Sleeve Scalp	19F15	All Locks
8	Grooved Sleeve Scalp	19F16	All Locks except 416-451⅝
9	Sleeve Scalp Retaining Ring	38F38	All Locks
10	Yoke	83F56	All Locks
11	Bushing	97F34	434EM
12	Outside Knob Retainer	19F01	All Locks except 416-451⅝
		82F63	416-451⅝
13	Indicator Pin Sub Assembly	116F46	434EM (5 Pin)
		97F19	434EM (6 Pin)
14	Dog Spring	146F92	453
14A	Dog Spring Retainer	146F93	453
16	Knob Pin	23F30	414
17	Case and Cap Tie Screw	8-32 SEMS	All Locks
18	Thimble Wrench	19F17	All Locks
19	Cap Sub Assembly	24F93	428-450½-448½-452½-456-454
	Function number of lock must be known in order to determine correct Part Number	32F37	456½-451⅝
		19F32	All Other Locks
20	Case Sub Assembly	25F22	440⅝-440⅝C-448½-456½-454
		22F97	410-410C-414
		39F61	453-434EM
	Function number of lock must be known in order to determine correct Part Number	39F15	442-446
		40F94	H440⅝
		70F02	456
		19F29	All Other Locks
20A	Case Sub Assembly	132F58	416-451⅝ (1⅜ in. doors)
		82F64	416-451⅝ (1¾ in. doors)
21	Sub Frame and Retractor Sub Assembly	141F19	446-442
		125F23	420-ER421-422-456-435-433HM-434EM
		142F92	453
		54F74	433EM
		54F73	All Other Locks
22	Inside Knob Shank Sub Assembly	24F92	440-446½-426-447-428-450½
		25F23	456½
	Function number of lock must be known in order to determine correct Part Number	70F11	456-454
		19F30	410-414-440⅝-H440⅝-448½-452-452½
22	Outside Knob Shank Sub Assembly	70F20	420-426-422-447-ER421
		25F23	440⅝-453-440⅝C-456½-456-H440⅝-454-451⅝
	Function number of lock must be known in order to determine correct Part Number	24F92	428-450½
		70F13	446-442-435
		55F71	448½
		19F30	410-410C-414-433HM-440-446½-452-452C-452½-416
22A	Inside Knob Shank Sub Assembly	125F20	420-ER421-422-433HM-434EM-446-453
	Function number of lock must be known in order to determine correct Part Number	39F80	442-435
		72F44	433EM
22A	Outside Knob Shank Sub Assembly	97F30	434EM
		125F20	433EM
23	Knob Coupling	39F17	452½
		70F33	440⅝C-456-435
		19F14	All Other Locks
24	"C" Ring	67F00	All Locks except 452½-456-450½-428

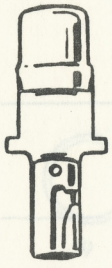

25A

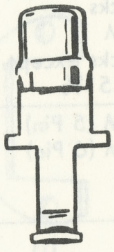

25B

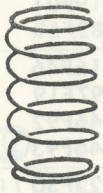

25C


25E

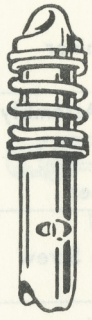

26

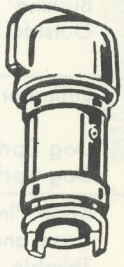

27A
27B

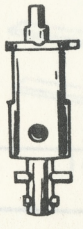

27C

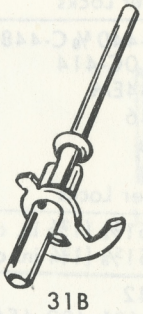

28


28A

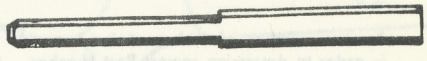

29

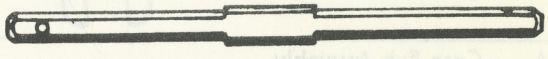

30

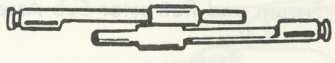

31A

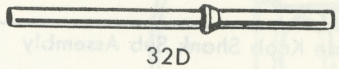

31B

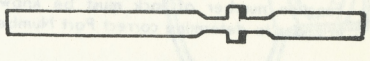

31C

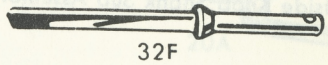

32A


32B


32C


32D

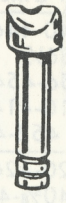

32E

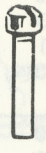

32F

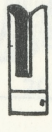

33


34A


34B


34C


35

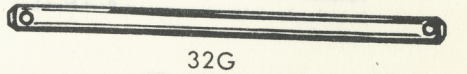

35A

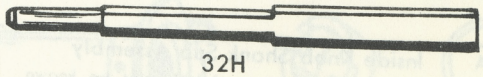

35B

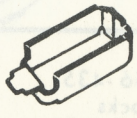

37A


37B

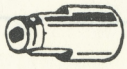

38

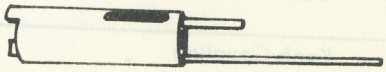

32G


32H


38A


39


40


40A

"Stilemaker" heavy-duty lock parts

RUSSWIN

Illustration No.	PART NAME	PART No.	FOR LOCKS
25A	Inside Roll Back	22F46	440⅝-410-414-410C-440⅝C-456½-H440⅝
	Outside Roll Back	22F46	440⅝-410-410C-440⅝C-456½-H440⅝-451⅝-416
	Inside Roll Back	24F86	428-450½-454
	Outside Roll Back	24F86	428-450½-454-426-440-446½-447-452½
	Inside Roll Back	25F29	420-453-422-435-434EM-ER421
	Outside Roll Back	25F29	420-422-435-434EM-ER421
	Inside Roll Back	55F68	448½
	Outside Roll Back	79F75	448½
25B	Inside Roll Back	22F66	456
	Outside Roll Back	22F66	453
25C	Inside Roll Back	40F70	433HM-433EM-442-446
	Outside Roll Back	40F70	442-446
25E	Outside Roll Back	19F04	456
	Inside Roll Back	147F42	426-440-446½-447-452-452C-452½
26	Roll Back Sub Assembly—Outside	59F92	452-452C
		59F93	433HM-433EM
27A	Push Button Sub Assembly (Slot in Head)	39F81	442-435
27B	Push Button Sub Assembly (Spanner Holes in Head)	41F49	433EM
27C	Push Button Sub Assembly	22F80	420-453-422-456-433HM-ER421-434EM-446
28	Push Button Spring	22F72	420-453-422-426-456-442-435-446-433HM-433EM-ER421-434EM
28A	Push Button Guide Pin	39F77	435-442-433EM
29	Turn Button Sub Assembly	157F11	440-426-428
30	Thumb Turn Sub Assembly	32F30	410C-452C-440⅝C
31A	Spindle and Lazy Cam Sub Assembly	97F23	434EM
31B	Spindle Sub Assembly	146F96	453
	Female Spindle Sub Assembly	128F09	434EM
31C	Spindle Sub Assembly	147F30	452-452C
32A	Spindle	147F31	440-446½
32B	Spindle	147F33	452½
32C	Spindle (2)	24F87	428-450½-454
32D	Spindle	39F79	435
32E	Spindle	141F15	446
		141F16	442
32F	Spindle	40F66	433HM
		40F67	433EM
32G	Spindle	55F69	448½
32H	Spindle	147F32	426-447
33	Male Spindle	95F80	ER421
		25F30	420-422
34A	Female Spindle	125F19	420-422-ER421
34B	Female Spindle	39F55	456
34C	Female Spindle	55F73	448½
35	Drive Spindle	39F56	456
35A	Spindle Coupling	97F11	434EM
35B	Spindle Actuating Cam	55F72	448½
37A	Spindle Washer	25F32	420-422-434EM-ER421
37B	Spindle Washer	39F59	456
38	Spindle Spring Seat	19F11	440-446½
		55F67	448½
38A	Spindle Dog	146F95	453
39	Cam Follower Sub Assembly	169F16	428-450½-456-426-447-454-446½-440
40	Locking Cam Sub Assembly	141F14	446-442-435
40A	Driving Cam Sub Assembly—5 Pin	76F41	433EM-433HM
	Driving Cam Sub Assembly—6 Pin	40F75	433EM-433HM

RUSSWIN

"Stilemaker" heavy-duty lock parts

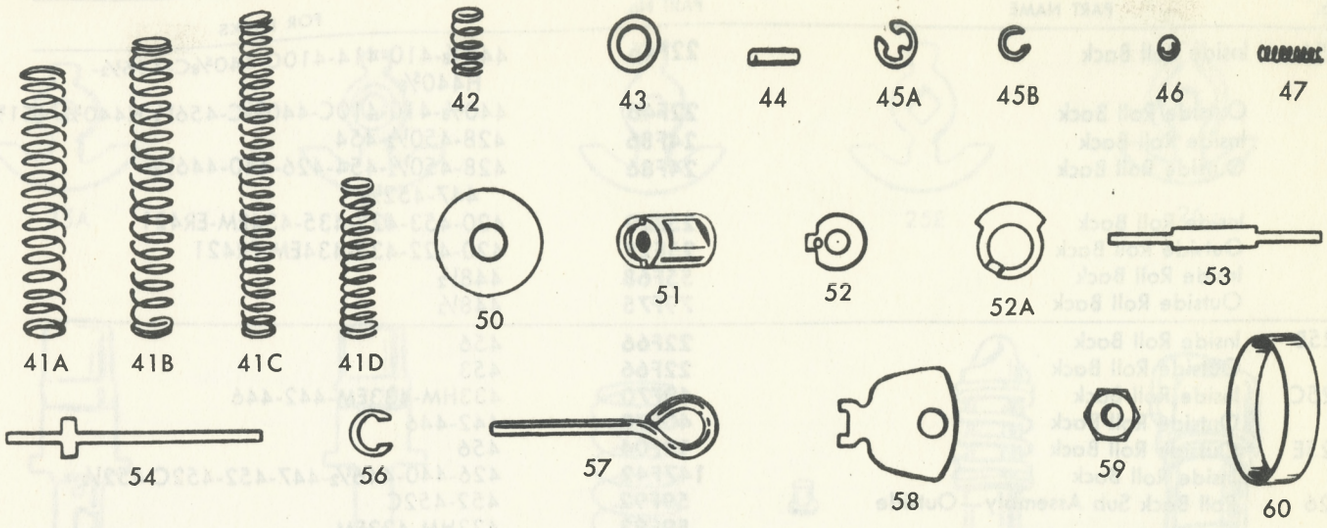


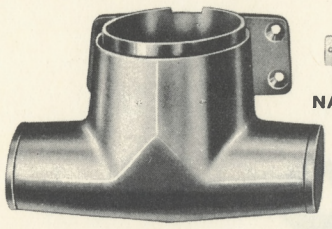
Illustration No.	PART NAME	PART No.	FOR LOCKS
41A	Spindle Spring	19F10	440-446½-448½-456
41B	Spindle Spring	24F74	426-447
41C	Spindle Spring	22F69	420-422-ER421
41D	Spindle Spring	24F88	428-450½-454
	Spring	60F05	453
42	Spindle Spring	25F18	453-440⅝C-456½-H440⅝-451⅝-440⅝
	Spring (Approx. ¼ in. diam.)	97F12	434EM
	Spring (Approx. 7/16 in. diam.)	97F07	434EM
43	Spring Seat Washer	24F89	428-450½-454
44	Spindle Drive Pin	19F13	440-446½-452C-448½-452-452½
45A	Spindle Spring Retainer Ring	5133-18	440⅝-440⅝C-456½-H440⅝-451⅝-
45B	Spindle Spring Retainer Ring	5103-21	428-450½-454
46	Locking Ball	.156	440⅝-453-440⅝C-448½-456½-456-442-435-H440⅝-454-451⅝-446-433EM-434EM
47	Spindle Separator Spring	25F33	420-422-456-ER421
50	Washer	39F19	452½
51	Lazy Cam	25F19	440⅝-453-440⅝C-456½-H440⅝-451⅝
52	Detent Washer	25F17	440⅝-453-440⅝C-456½-H440⅝-451⅝
52A	Detent Washer	97F09	434EM
53	Slide	39F57	456
54	Tee Slide	39F58	456
56	Roll Back Retaining Ring	5103-31	448½
57	Emergency Key	32F56	420
58	Spanner Key	41F47	433EM
59	Hex Nut	8-32	416-451⅝
60	Filler Ring	84F05	410C-440⅝C-452C

59 Series (Model 159 & 163) Door Closers

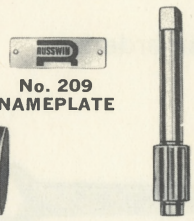
PARTS LIST

Parts For 59 Series (Model 159 and 163) Door Closers

When ordering parts specify part number, size, name and model of closer.
If outside parts are required, specify finish.
Arm sub-assemblies are furnished with parts assembled (as shown) unless otherwise ordered.
Parts are also shown separately.



No. 200 – CASE



No. 201 – SPINDLE

No. 209 NAMEPLATE



No. 202 SPINDLE PACKING



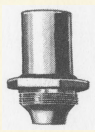
No. 203 SPINDLE PACKING WASHER



No. 204 SPINDLE PACKING NUT



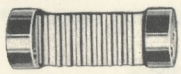
No. 205 – TOP BEARING NUT



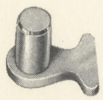
No. 206 – GLAND



No. 207A – RATCHET
(for model 163, interchangeable with model 159 when used with arm sub-assembly 220A)



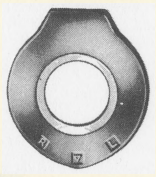
No. 208 – PISTON SUB-ASSEMBLY



No. 245 DOG AND PIN SUB-ASSEMBLY (For model 163)



No. 212 – MAIN SPRING



No. 213 – COVER

No. 214 – COVER DOWEL



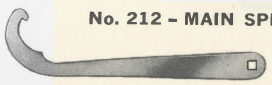
No. 215 – VALVE



No. 216 – KEY VALVE



No. 217 – KEY



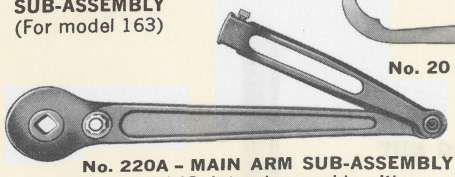
No. 20 – RATCHET WRENCH



No. 221 – MAIN ARM WASHER



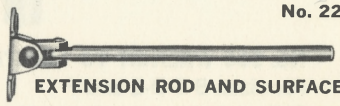
No. 222 – MAIN ARM ATTACHING SCREW



No. 220A – MAIN ARM SUB-ASSEMBLY
(For model 163, interchangeable with model 159 when used with ratchet 207A)



No. 246 DOG KNOB

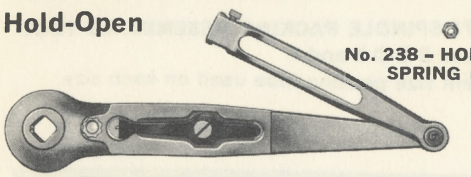


EXTENSION ROD AND SURFACE BRACKET



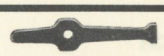
No. 224 – EXTENSION ARM SCREW

Hold-Open



No. 230 – HOLD-OPEN ARM SUB-ASSEMBLY

No. 238 – HOLD-OPEN SPRING NUT



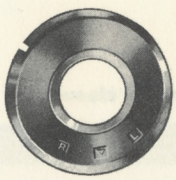
No. 231 HOLD-OPEN SPRING – UPPER



No. 232 HOLD-OPEN SPRING – LOWER



No. 233 HOLD-OPEN SPRING LINER



No. 239 – HOLD-OPEN COVER



No. 241 HOLD-OPEN RING SCREW

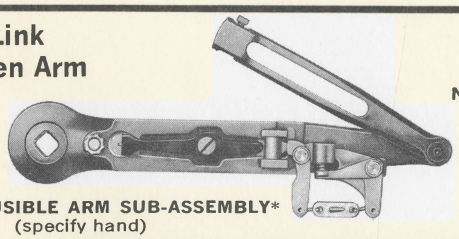
No. 240 – HOLD-OPEN RING



No. 235 HOLD-OPEN ROLLER SUB-ASSEMBLY

No. 237 – HOLD-OPEN SPRING SCREW

Fusible Link Hold-Open Arm



No. 242 – FUSIBLE ARM SUB-ASSEMBLY*
(specify hand)



No. 231 – HOLD-OPEN SPRING – UPPER



No. 232 – HOLD-OPEN SPRING – LOWER



No. 233 – HOLD-OPEN SPRING LINER



No. 226 FUSIBLE LINK*



No. 237 HOLD-OPEN SPRING SCREW



No. 238 HOLD-OPEN SPRING NUT

Hospital Hold-Open

No. 243 – HOSPITAL ARM SUB-ASSEMBLY

No. 231 – HOLD-OPEN SPRING – UPPER

No. 232 – HOLD-OPEN SPRING – LOWER

No. 233 – HOLD-OPEN SPRING LINER

No. 241 HOLD-OPEN RING SCREW

No. 244 HOSPITAL HOLD-OPEN RING

No. 227 HOLD-OPEN PAWL SUB-ASSEMBLY

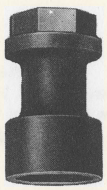
No. 237 – HOLD-OPEN SPRING SCREW

No. 238 HOLD-OPEN SPRING NUT

*Fusible links are available to melt at 125° F and 160° F. Specify which required.

Tools For 59 Series — (Model 159 and 163) Door Closers

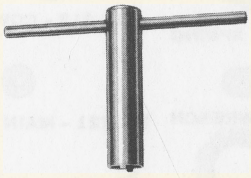
Specify size of closer and number of repair tool wanted when ordering.



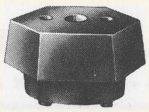
No. 552 GLAND WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.



No. 558 HANDLE FOR GLAND AND CAP WRENCH
For sizes B-C-D-E and F
One handle used for all sizes.
(Used in conjunction with parts 552 and 560)



No. 566 WRENCH TO TIGHTEN SPINDLE PACKING NUT
For sizes B-C-D-E and F
Different size wrench used on each size.



No. 560 END PLUG WRENCH
For sizes B-C-D-E and F
Different size wrench used on each size.

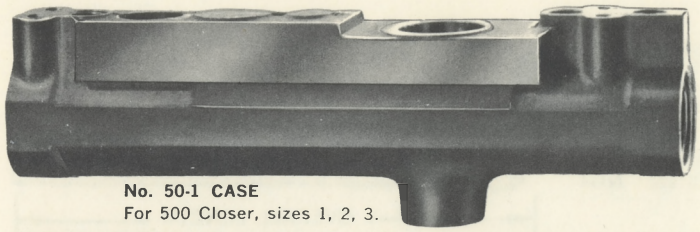


No. 571 SPINDLE PACKING ASSEMBLING TOOL
For sizes B-C-D-E and F
Different size packing tube used on each size.

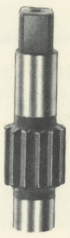
All tools for E and F closers are identical.

"500" & "600" Series Door Closers PARTS LIST

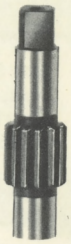
Parts for 500 and 600 Series Door Closers



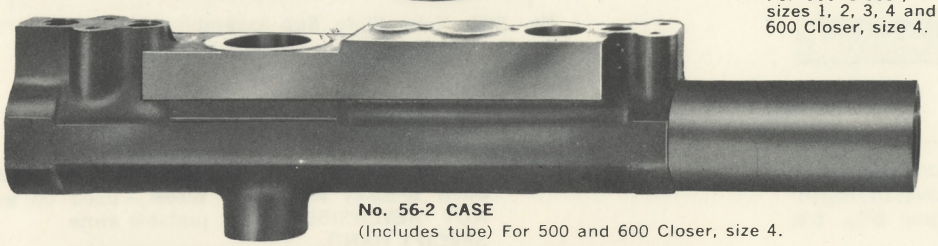
No. 50-1 CASE
For 500 Closer, sizes 1, 2, 3.



No. 56-4 SPINDLE
For 500 Closer, sizes 1, 2, 3, 4 and 600 Closer, size 4.



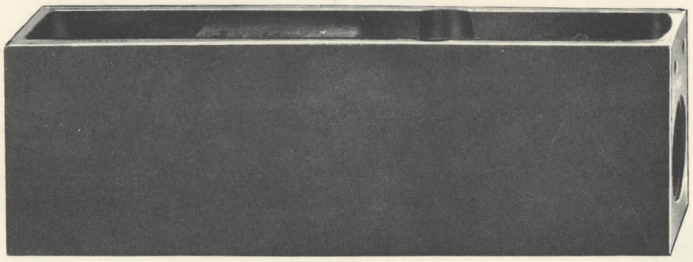
No. 60-5 SPINDLE
For 600 Closer, sizes 1, 2, 3.



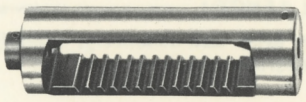
No. 56-2 CASE
(Includes tube) For 500 and 600 Closer, size 4.



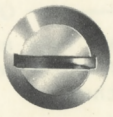
No. 56-8 END PLUG GASKET
(2 per closer) For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 60-3 CASE For 600 Closer, sizes 1, 2, 3.



No. 56-6 PISTON
(includes steel ball)
For 500 and 600 Closer, sizes 1, 2, 3, 4



No. 56-7 END PLUG
(2 per closer)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 56-9 FILLING PLUG
For 500 and 600 Closers, sizes 1, 2, 3, 4.



No. 56-10 FILLING PLUG GASKET
For 500 and 600 Closers, sizes 1, 2, 3, 4.



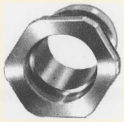
No. 60-15 BACKCHECK INSERT
(used with backcheck valve)
For 600 Closer, sizes 1, 2, 3
(BC type)



No. 56-11 NEEDLE BEARING
(2 per closer)
For 500 Closer, sizes 1, 2, 3, 4 and 600 Closer, size 4



No. 56-17 OUTER SPRING
(used alone on size 1 closers and in conjunction with 56-18 on size 3 closers)
For 500 and 600 Closer, sizes 1, 3.



No. 56-12 BEARING NUT
For 500 Closer, sizes 1, 2, 3, 4 and 600 Closer, size 4.



No. 60-13 BEARING NUT
(includes bearing and oil seal)
For 600 Closer, sizes 1, 2, 3.



No. 56-14 OIL SEAL
For 500 Closer, sizes 1, 2, 3, 4 and 600 Closer, size 4.



No. 56-16 COMPLETE VALVE ASSEMBLY
(3 per closer on 500 Closers and 600 Closers with backcheck; 2 per closer on 600 Closers without backcheck)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 56-18 INNER SPRING
(used in conjunction with No. 56-17 on size 3 closers). For 500 and 600 Closer, size 3.



No. 56-16A VALVE
(valve component)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



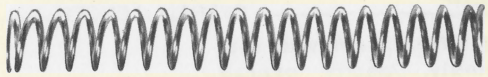
No. 56-16B VALVE PACKING NUT
(valve component)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 56-16C VALVE PACKING WASHER
(valve component)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 56-19 OUTER SPRING
(used in conjunction with No. 56-20 on size 2 closers) For 500 and 600 Closer, size 2.



No. 56-20 INNER SPRING
(used in conjunction with No. 56-19 on size 2 closers) For 500 and 600 Closer, size 2.



No. 56-16D VALVE PACKING
(valve component)
For 500 and 600 Closer, sizes 1, 2, 3, 4.



No. 56-21 SPRING For 500 and 600 Closer, size 4.

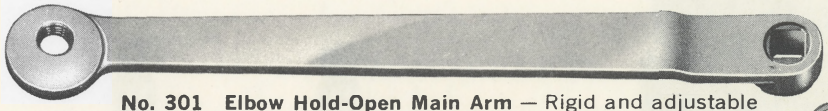
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

FORM PL-4R

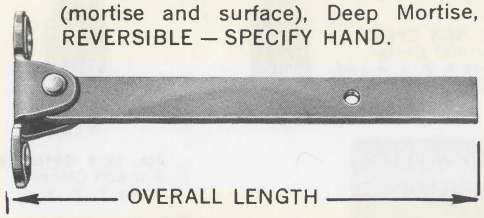
500 Series Door Closers (Arms) PARTS LIST

Parts For 500 Series Door Closers (Arms)

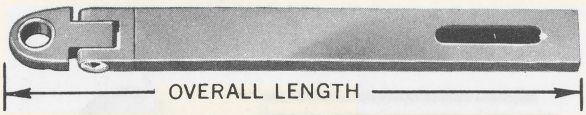
Rigid arm sub-assemblies may be ordered from arm assembly numbers



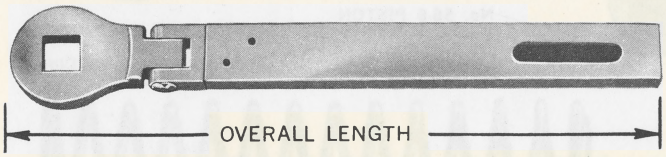
No. 301 Elbow Hold-Open Main Arm — Rigid and adjustable arms (also used in elbow fusible arms). Applications: Regular (mortise and surface), Deep Mortise, Deep Offset. NOT REVERSIBLE — SPECIFY HAND.



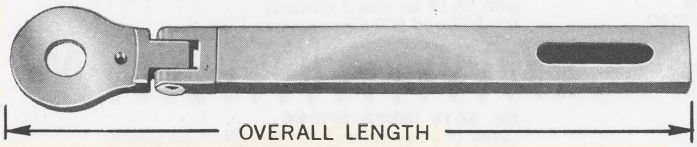
No. 302 Adjustable-universal slide and bracket sub-assembly. Specify "overall length" when ordering. Lengths available: 5 3/16, 5 3/4, 7 3/4, and 9 inches.



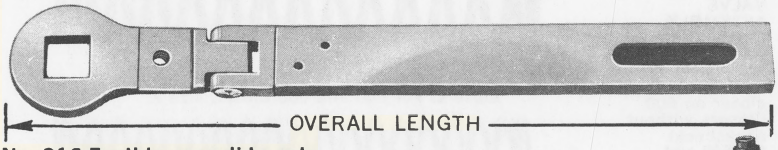
No. 306 Yoke and arm tube sub-assembly. Specify "overall length" when ordering. Lengths available: 7 5/16 inches.



No. 310 Adjustable elbow hold-open slide sub-assembly. Specify "overall length" when ordering. Lengths available: 8 3/16 inches.



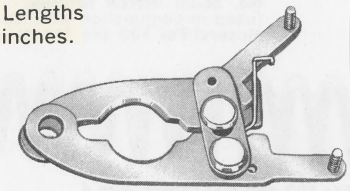
No. 313 Jamb hold-open slide sub-assembly. Specify "overall length" when ordering. Lengths available: 8 3/16 inches.



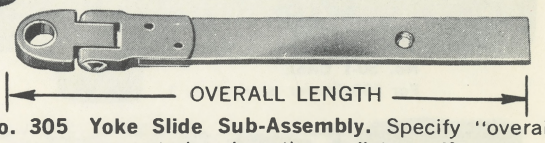
No. 316 Fusible arm slide sub-assembly. Specify "overall length" when ordering. Lengths available: 8 1/2 and 8 3/4 inches.



No. 315 Screw for fusible link mechanism.



No. 314 Fusible link mechanism.



No. 305 Yoke Slide Sub-Assembly. Specify "overall length" when ordering. Lengths available: 6 3/4 and 8 inches.



No. 303 Jamb hold-open bracket screw. NOT REVERSIBLE — SPECIFY HAND.



No. 304 Arm slide screw — used on adjustable arms.



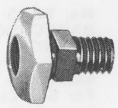
No. 307 Hold-open washer. Specify "steel" or "brass". Steel: Used on non hold-open concealed arm. Brass: Used on all hold-open arms.



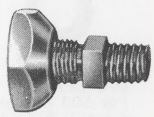
No. 308 Jamb hold-open dial — used on all jamb hold-open arms except fusible.



No. 309 Jamb hold-open dial screw — used on all jamb hold-open arms except fusible.



No. 311 Stud and nut — for regular elbow hold-open. NOT REVERSIBLE — SPECIFY HAND.



No. 312 Stud and nut — for fusible elbow hold-open. NOT REVERSIBLE — SPECIFY HAND.

No. 312P Same as above except different length — for jamb hold-open parallel arm.



No. 317 Spacer for fusible link — assembled below link.



No. 318 Spacer for fusible link — assembled below link.



No. 319 Nut for fusible link — 2 required — assembled above link.

No. 320 Fusible link. Specify whether for 160 or 125 degrees Fahrenheit (160 degrees regularly furnished).



No. 321 Rigid arm bracket screw. Specify "regular" or "concealed" arms.

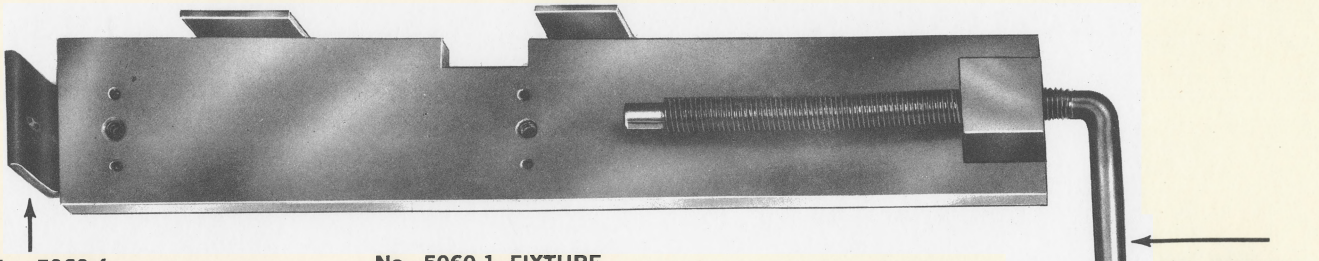
SPECIFY PART NUMBER, HAND AND LENGTH WHEN REQUIRED AND FINISH

"500" & "600" Series Door Closers

TOOLS

Tools for 500 and 600 Series Door Closers

All tools used for both 500 and 600 Closers unless otherwise specified



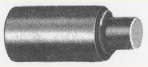
No. 5060-4
ANGLE BACK PLATE
Regularly furnished with 5060-1 fixture.

No. 5060-1 FIXTURE
Nos. 5060-2 and 5060-4 regularly furnished with this fixture.

No. 5060-2
CRANK
Regularly furnished with 5060-1 fixture.



No. 5060-3
PRESSURE RELEASE ADAPTER



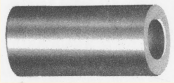
No. 5060-5
UPPER NEEDLE BEARING SETTER



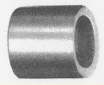
No. 5050-6 LOWER NEEDLE BEARING SETTER
Remove for upper bearing and sealer.
(Used for 500 Closers only.)



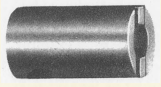
No. 5060-7 OIL SEAL ASSEMBLY SLEEVE



No. 5060-8
OIL SEAL SETTER



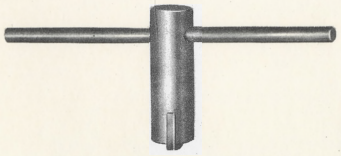
No. 5060-9 SLEEVE FOR REMOVING BEARING AND SEALER FROM SHAFT NUT



No. 6060-10 BEARING NUT WRENCH
(Used for 600 Closers only.)
sizes 1, 2, 3,



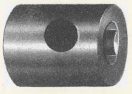
No. 5060-11 HANDLE FOR Nos. 6060-10, 5050-14 and 5060-16



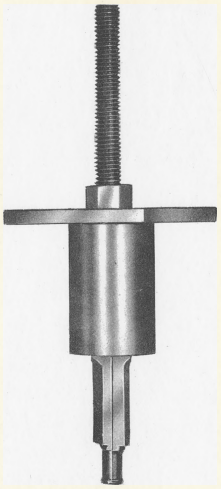
No. 5060-12 FILLER CAP WRENCH-ROD



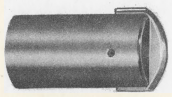
No. 5060-13 STANDARD 1/8" HEX WRENCH FOR LOWER BEARING PULLER



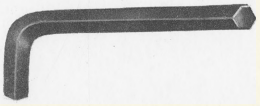
No. 5050-14 BEARING NUT WRENCH
For 500 Closer, sizes 1, 2, 3, 4 and 600 Closer, size 4.



No. 5060-15 LOWER BEARING PULLER



No. 5060-16 END PLUG WRENCH



No. 5060-17 END PLUG WRENCH FOR OLD STYLE CLOSERS
Standard 3/8" Hex Wrench.

When Complete Set of Tools is Required, Specify No. 5060

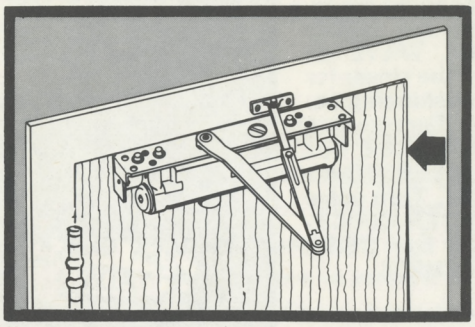
RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

FORM PL-6R

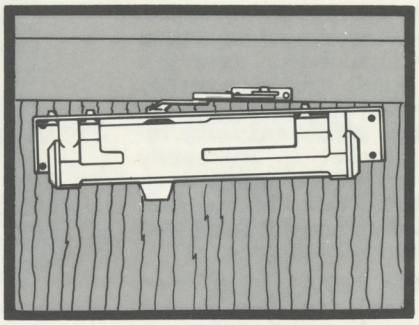


SIMPLE SILLIES

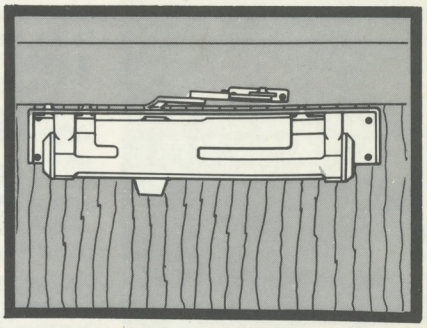
IF YOUR CLOSER DOES NOT OPERATE PROPERLY FIRST CHECK THESE COMMONPLACE CAUSES



Is door jammed?



Is closer level?



Is arm bracket level?

CHECK HAND OF CLOSER — Hand, (R or L), and size (1, 2, 3, 4) is stamped on top of closer case.

CHECK PROPER CLOSER HAND FOR YOUR APPLICATION — See chart for complete handing information. If your closer is wrong hand for your application, it must be replaced. **YOUR CLOSER IS NOT REVERSIBLE.**

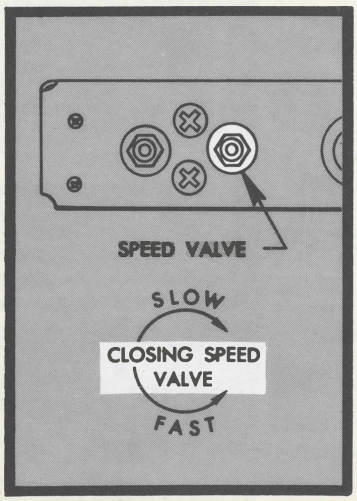
MAINTENANCE GUIDE

1 PROBLEM: door closes too fast or too slow

SOLUTION: adjust SPEED valve

If door closes too fast or too slow from a partially or wide open position to a position within a few inches from stop, SPEED VALVE on top of closer needs adjustment. Turn valve COUNTER-CLOCK-WISE to SPEED closing, CLOCKWISE to SLOW.

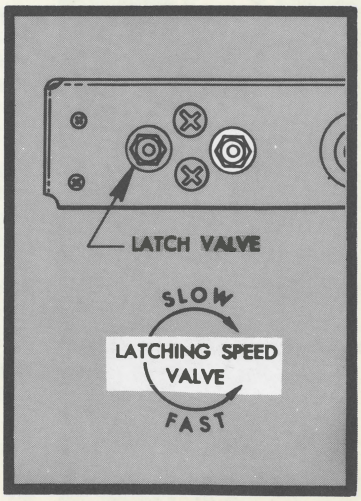
Only use wrench furnished.



2 PROBLEM: door latches too fast or too slow

SOLUTION: adjust LATCH valve

If door travels too fast or too slow during last few inches of travel before latching, LATCH VALVE on top of closer needs adjustment. Turn Valve CLOCKWISE to SLOW latching speed. Turn Valve COUNTER-CLOCK-WISE to SPEED latching speed.

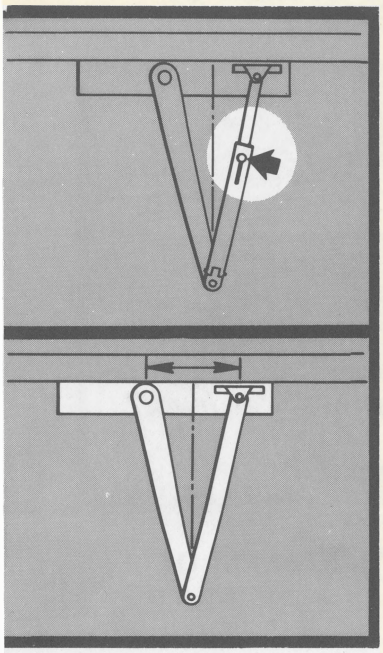


NOTE: When setting all valves. Valves fully opened will be flush with top of packing nut. Beyond this point, valves cannot be easily turned. Do not force beyond this limit.

MAINTENANCE GUIDE (continued)

3 PROBLEM: door won't open far enough

SOLUTION: 1. check and adjust arm position

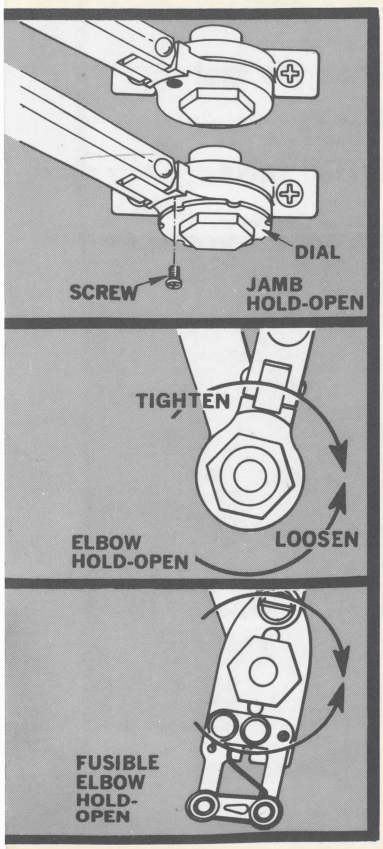


Properly adjusted, arms should form a "V" when the door is closed. (In parallel arms applications Main Arm should be almost parallel to face of door, forming a "V" with Frame Arm.) See proper closer bracket spacing on page 4. Adjust arms as follows; only relocating bracket if improperly positioned. Before proceeding, check Back Check Valve adjustment. Valve should not be closed. (See Problem-Solution No. 4)

Adjustable Arms — With door closed, hold arm firmly and loosen Arm Screw. Swing arms together until they form a "V" and tighten Arm Screw securely.

Rigid Arms — With door closed, hold arm firmly and remove Frame Arm Bracket Screw. Remove Arm Bracket mounting screws. Relocate Arm Bracket following spindle-bracket spacing shown on page 4. (Arms will form a "V") Re-attach Frame Arm to Mounting Bracket. If screws have pulled loose but arm position is correct, fill holes or use larger screws to remount bracket.

SOLUTION: 2. adjust hold-open mechanism



Jamb Hold-Open — Remove dial screw from arm. Remove hold-open dial from head of hex nut. Loosen hold-open Bracket Screw. Open the door to a position a little LESS than desired hold-open position and tighten Bracket Screw securely. Place the hold-open dial over the hex head of the bracket screw so that one of the slots in the Dial is directly over the small screw hole tapped in the arm. Insert the Dial Screw in the hole and tighten securely.

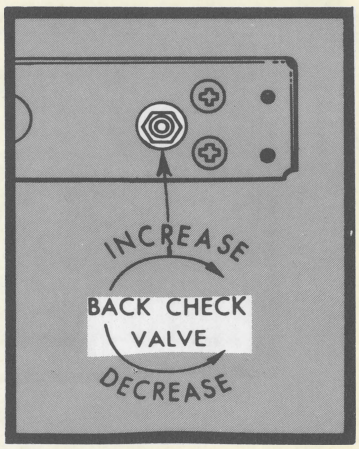
Elbow Hold-Open—If required hold open position is less than present setting, move door to a little less than desired position and tighten nut. If required position is greater than present setting, loosen nut, swing door to desired position and tighten nut.

NOTE: If these two remedies do not correct your condition, call your Dealer to be sure you have the right length arm for the desired degree of door opening. (At desired opening, arms should not be fully extended or they will act to stop the swing of the door, exerting wear on closer and arms).

4 PROBLEM: door checks too suddenly on opening

SOLUTION: adjust back check valve

If door stops suddenly at the end of the opening swing, adjust the BACK-CHECK VALVE on top of the closer for **soft cushioning action.** Turn valve CLOCKWISE for MORE BACK-CHECK. Turn valve COUNTER-CLOCK-WISE for LESS BACKCHECK.



5 PROBLEM: door chatters

SOLUTION: When your closer chatters or shuts with a jerky, uneven motion, it may be due to insufficient fluid. Closer should be removed from door and refilled by your dealer or repair specialist to manufacturer's specification (See maintenance instructions on next page). Follow closer removal instructions on page 4.

6 PROBLEM: door cannot be opened or closed

SOLUTION: 1. check for proper closer hand

SOLUTION: 2. On hold-open closers, check hold-open adjustment and adjust if necessary. See instructions shown. Check to be sure that closer and arm bracket are mounted in a level position. If this does not correct the problem, remove closer and return to your dealer or repair specialist. Follow Closer Removal Instructions on Page 4.

7 PROBLEM: closer has little effect on door swing

SOLUTION: When the opening and closing of your door is affected very little by the action of the closer, you probably have a closer which is too small for your weight door and application. Consult your dealer for the proper closer specification.

8 PROBLEM: door does not latch

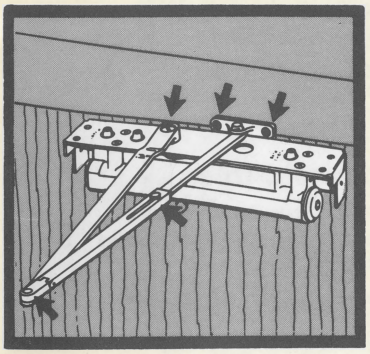
SOLUTION: 1. Adjust LATCH VALVE.

SOLUTION: 2. if the door does not latch, check alignment of latch and strike and adjust as needed. If door sag is cause, adjust door hinges or pivots.

MAINTENANCE INSTRUCTIONS

The preceding adjustment procedures and the maintenance instructions that follow are important for any closer. As with all precision equipment, periodic adjustment and maintenance will substantially lengthen the life of the closer and insure the best possible trouble-free operation.

Only these steps should be followed. Should major problems arise or damage to your closer occur, call in your dealer. UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT TO DISASSEMBLE OR REPAIR YOUR CLOSER.



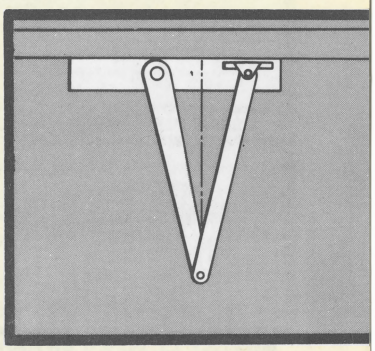
TIGHTEN ALL SCREWS

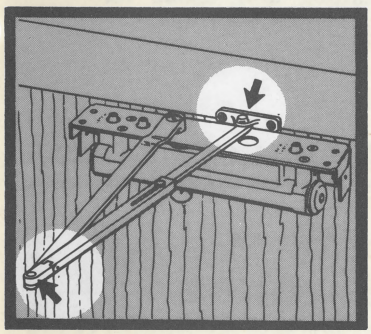
Periodically all screws, bolts and nuts should be carefully examined and tightened. Be sure to include:

- Closer Bracket Screws
- Arm Bracket Screws
- Hold-Open Nuts and Screws
- Adjustable Arm Screws

CHECK ARM POSITION

The position of the closer arms should be regularly checked. Improper adjustment can cause improper operation and inflict undue wear on the closer parts. Follow Arm Adjustment instructions.



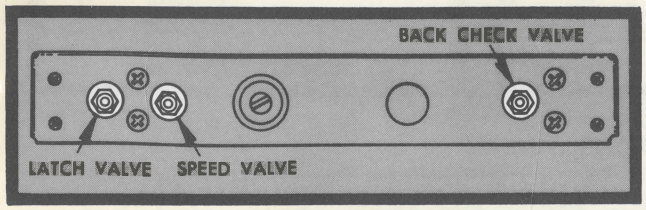


LUBRICATION

External moving parts should be regularly lubricated with light oil at the points illustrated. DO NOT ATTEMPT TO DISASSEMBLE CLOSER TO LUBRICATE INTERNAL PARTS.

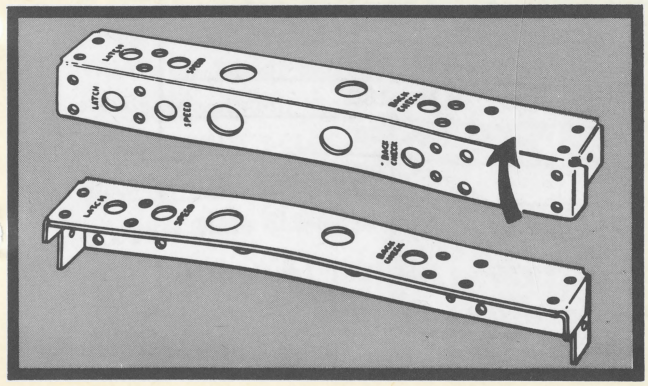
CHECK OIL LEVEL — Only if Closer is Not Operating Properly.

Low oil level can cause major operational trouble. Remove plug on top of closer and examine oil level. If it is below manufacturer's specification, call in your dealer or closer repair specialist. Follow Closer Removal Instructions on Page 4. MANUFACTURER'S SPECIFIED FLUID: Sizes 1, 2, 3 — Type H. Size 4 — Type M.



CHECK DOOR SWING AND SPEEDS

The shock of sudden hard stops on opening or closing may loosen arm bracket and closer mounting screws. Regularly check speeds and adjust following Speed and Backcheck Adjustment instructions.



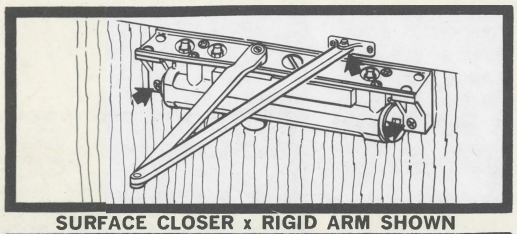
TO REVERSE CLOSER MOUNTING BRACKET

NOTE: On all size Regular and Parallel Arm Closers, Latch and Speed Valves are toward hinge edge of door. Corner Bracket application is opposite.

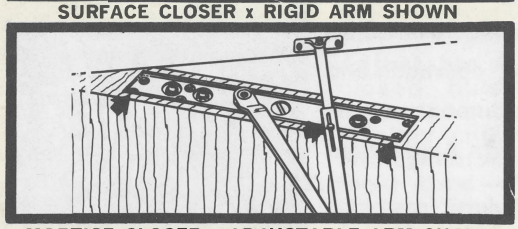
Remove 4 closer mounting screws on top of the bracket. Flip bracket 90° and re-mount on top of closer.

CLOSER REMOVAL & INSTALLATION INSTRUCTIONS

TO REMOVE CLOSER _____ If your closer must be removed from the door follow the steps listed below. If closer is to be reinstalled in a new position, check chart below for proper mounting dimensions for your application.



SURFACE CLOSER x RIGID ARM SHOWN



MORTISE CLOSER x ADJUSTABLE ARM SHOWN

RIGID ARM—Non Hold-Open and Hold-Open

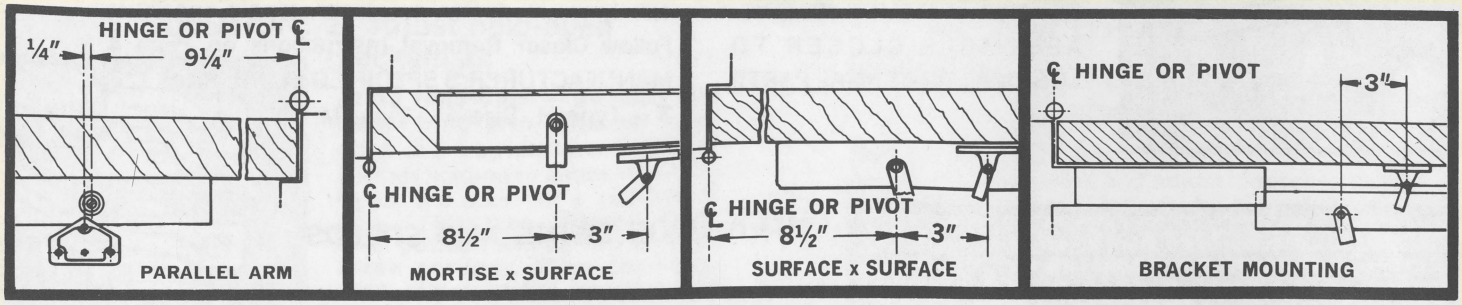
1. While holding Frame Arm tightly, remove Arm Bracket Screws or Hold-Open Screw. This will disengage arm from Bracket.
2. Remove closer mounting screws and take closer off door.

ADJUSTABLE ARM—Non-Hold-Open and Hold-Open

1. Remove Slide Locking Screw. Open door, sliding Bracket Slide out of Arm Tube. Remove Bracket Mounting Screws.
2. Remove Closer Mounting Screws and take closer from door.

TO REINSTALL CLOSER _____ Mount Closer and re-mount arm on jamb, reversing above procedure. Follow Chart below to determine proper mounting dimensions for desired degree of door swing.

CLOSER AND BRACKET MOUNTING DIMENSIONS TO OBTAIN PROPER ARM POSITIONS



HOLD-OPEN RANGES FOR DIFFERENT ARM TYPES

ARM TYPES		HOLD-OPEN POSITIONS (MIN.°-MAX.°)
Non-Hold Open		—180° (MAX. OPENING)
Elbow Hold-Open		45°–140°
Jamb Hold-Open	Surface Closer	110°–180°
	Mortise Closer	120°–180°
Par. Jamb Hold-Open		45°–180°
Corner Bracket Application		85°–180°

RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

RUSSWIN

CARE AND ADJUSTMENT

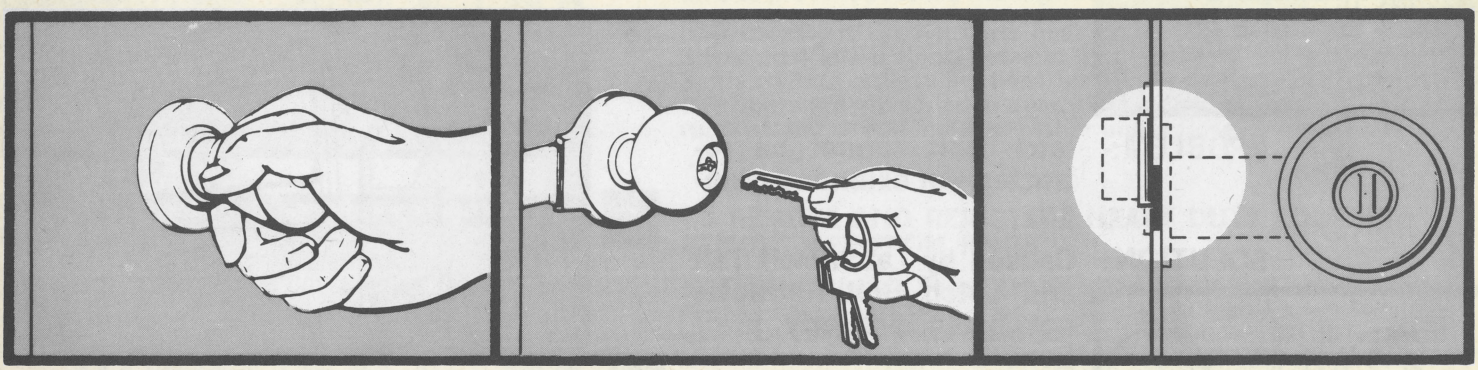
CYLINDRICAL LOCKS
MORTISE LOCKS
UNILOC LOCKSETS



This manual deals with the care and adjustment of Cylindrical Locks, Mortise Locks and Uniloc Locksets. The 3 individual sections cover such subjects as lock removal, changing hand, replacing cylinders, tightening lockset on door etc.

Should you encounter difficulties in the operation of your lockset we recommend that, before you go further, you review this "Simple Sillies" checklist of common problems and solutions to see if you can clear up your difficulty.

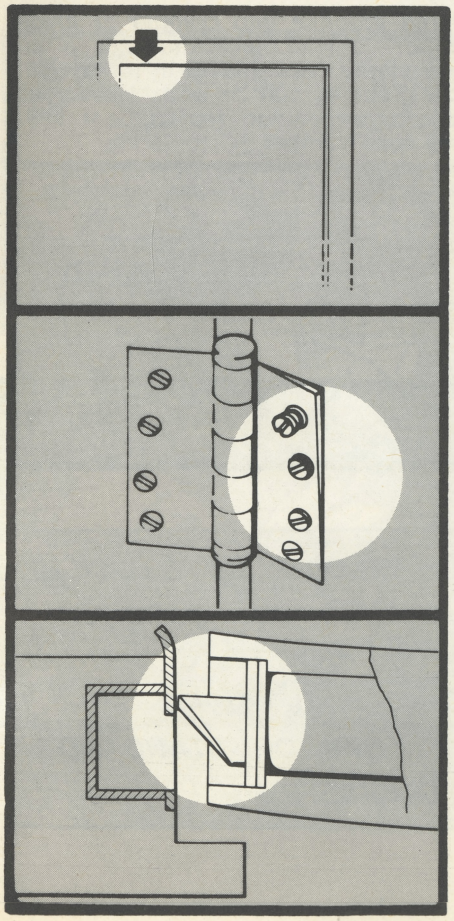
SIMPLE SILLIES (For all locksets)



1 Is door locked?

2 Are you using right key?

3 Latch Bolt or Dead Bolt does not engage or disengage strike, or binds in strike — Usually due to bolt-strike misalignment. See 4A-4D below.



4 Is your door binding?

Frames which are out of plumb are frequently the cause of faulty operation of locksets and binding of bolts in the strike. Check carefully:

A. Are hinges loose?

Tighten screws, filling holes if necessary, or rehang door if screws will not hold.

B. Are hinges worn?

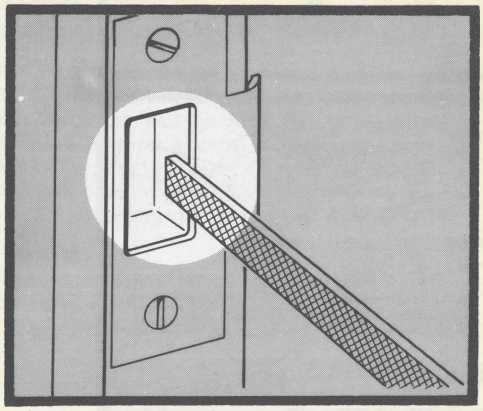
If excessive wear has occurred on hinge knuckles, door will not be held tightly. Replace hinges.

C. Has door warped?

Shimming or repositioning or filing strike will often compensate for this condition, short of replacing door. (See Unit Lock section for adjusting strike.)

D. Is frame sagging?

If sag cannot be corrected and door and frame returned to plumb relationship, planing or shaving of door and repositioning or shimming strike may relieve this condition.



5 Key operates Latch Bolt or Dead Bolt with difficulty.

Usually due to bolt-strike misalignment. See 4A-4D above.

6 Lockset is loose on door.

See tightening instructions under proper section.

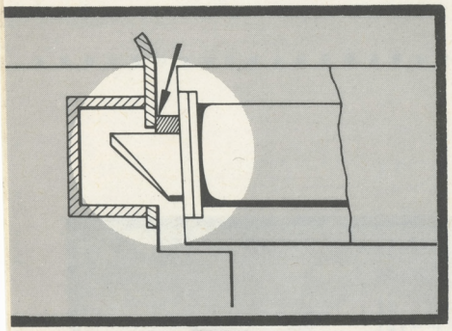
CYLINDRICAL LOCK SETS
HEAVY DUTY
STANDARD DUTY

RUSSWIN® CARE AND ADJUSTMENT

BEFORE PROCEEDING, CHECK "SIMPLE SILLIES" ON PAGE 1

1 **PROBLEM: latch bolt will not deadlock**

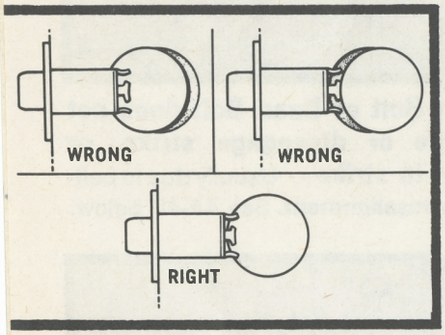
SOLUTION: Caused by Deadlocking Latch going into strike.



Either Strike is out of line or gap between door and jamb is too great. Realign Strike or shim Strike out towards flat area of Latch Bolt.

2 **PROBLEM: latch bolt cannot be retracted—or extended properly**

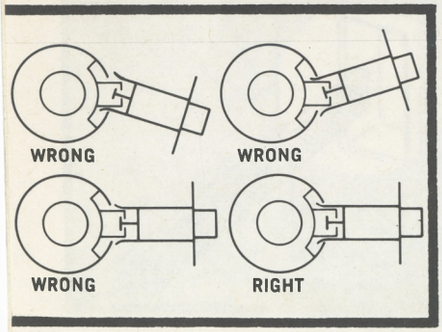
SOLUTION: Caused by Latch Bolt Tail and Latch Bolt Retractor not being properly positioned.



a) Remove lockset from door. See removal instructions for Standard or Heavy Duty Lockset.

b) Reinsert Latch Bolt in door. Looking through hole in door, Tail should be centered between top and bottom of hole.

c) Remove Latch Bolt and insert Lock Case. Looking through Latch Bolt Hole in lock face of door, Latch Bolt Retractor should be centered in hole. Adjust outside Rose for proper position.



d) Rebore holes, if necessary, to line up Retractor and Tail.

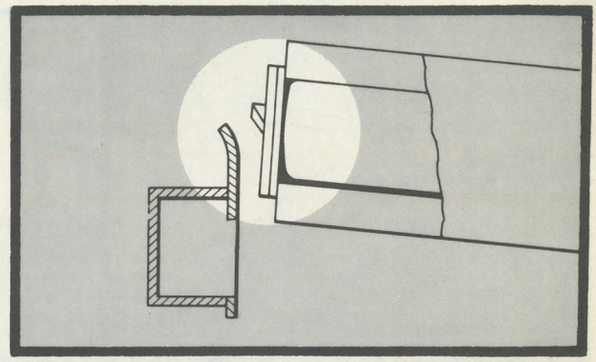
3 **PROBLEM: inside locking button will not operate**

SOLUTION: If, when the lockset has been removed from the door, button will not operate, call in your dealer or locksmith. Do not attempt to repair yourself.

4 **PROBLEM: latch bolt will not project from lock face**

SOLUTION: Latch Bolt Tail and Retractor may be misaligned.

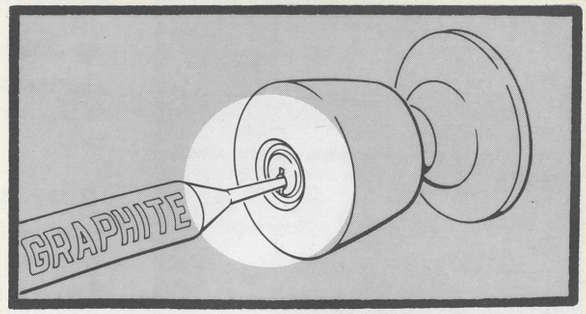
See Step 2. If this is not the cause, Spring is probably broken. Return to locksmith for replacement.



5 **PROBLEM: key works with difficulty**

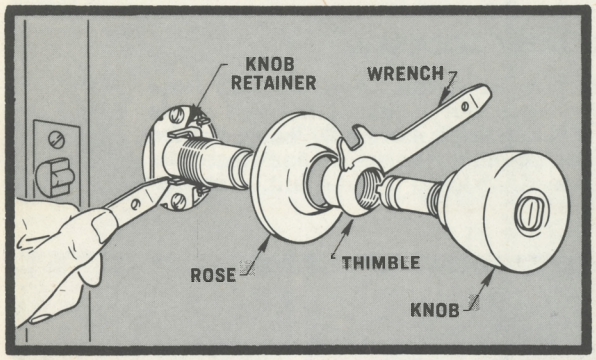
SOLUTION: Lubricate Keyway. CAUTION—Do not use Petroleum Products.

Spray powdered graphite into cylinder or place powdered graphite or lead pencil shavings on the key. Move key slowly back and forth in keyway. Bitting (notches) on key may be worn. Have your dealer make you a genuine replacement key, using your key code number.



TO TIGHTEN OR REMOVE LOCKSET, CHANGE CYLINDERS OR HAND OF LOCKSET, SEE THE FOLLOWING SECTIONS FOR HEAVY DUTY OR STANDARD DUTY LOCKSETS.

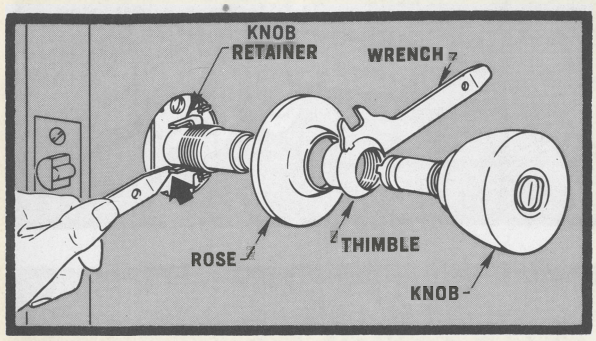
HEAVY DUTY CYLINDRICAL LOCKSETS



6 TO TIGHTEN HEAVY DUTY LOCKSET

a) Tighten Inside Rose Thimble with Wrench. CAUTION: If Thimble needs to be taken up a great deal, tighten **outside** rose at the same time to prevent possible misalignment and binding of both.

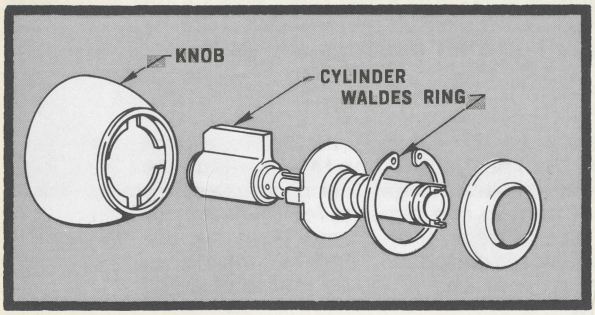
b) If Lockset is still not tight, back off Thimble, and using screwdriver push down Knob Retainer and remove Knob and Rose. If Spurs on back of Rose are bent, straighten and reposition Rose so that Spurs are imbedded in door. If Spurs are broken off, insert a rubber band or non-metallic washer under Rose. Tighten Thimble.



7 TO REMOVE AND REINSTALL HEAVY DUTY LOCKSET. REMOVE KEY FROM KNOB

a) (1) Loosen Inside Rose Thimble with wrench. Pull lock slightly to release Rose Spurs from door. (2) Disengage Inside Knob Retainer with your Thimble Wrench and pull out Inside Knob. (3) Slide rest of lockset from outside of door. (4) Remove Bolt Face Plate Screws and slide Latch Unit from Lock face of door.

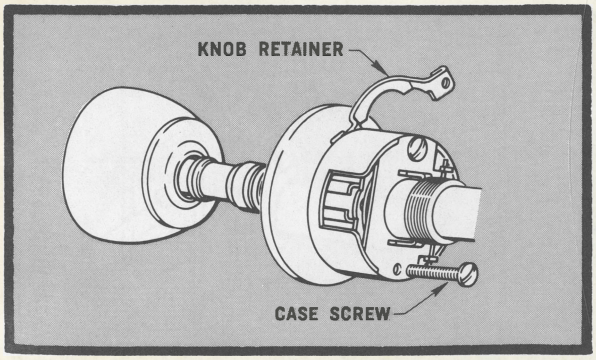
b) To reinstall, reverse procedures above. When inserting Case and Keyed Knob from outside of door, be sure Bolt Retractor in case properly engages Latch Bolt Tail. (See Problem No. 2)



8 TO REMOVE AND REPLACE CYLINDER IN HEAVY DUTY LOCKSET

a) Follow procedure in No. 7 above. (1) Remove one case screw and slightly loosen the other. (2) Swing out outside Knob Retainer (it pivots on Case Screw slightly loosened above). (3) Using screwdriver, pry Knob Filler Cover off outside knob. (4) Using special Waldes Ring Plier #3, remove large Waldes Ring from groove and withdraw shank and cylinder. (5) Take assembly to your authorized dealer or locksmith for rekeying.

b) To reinstall cylinder, reverse procedure (No. 8) above. (BE SURE KNURLED SIDE OF WALDES RING IS FACE UP)



9 TO CHANGE HAND OF HEAVY DUTY LOCKSET

NOTE — LOCK CYLINDER SHOULD ALWAYS BE IN POSITION TO RECEIVE KEY WITH BITTING (NOTCHES) FACING **UPWARD**.

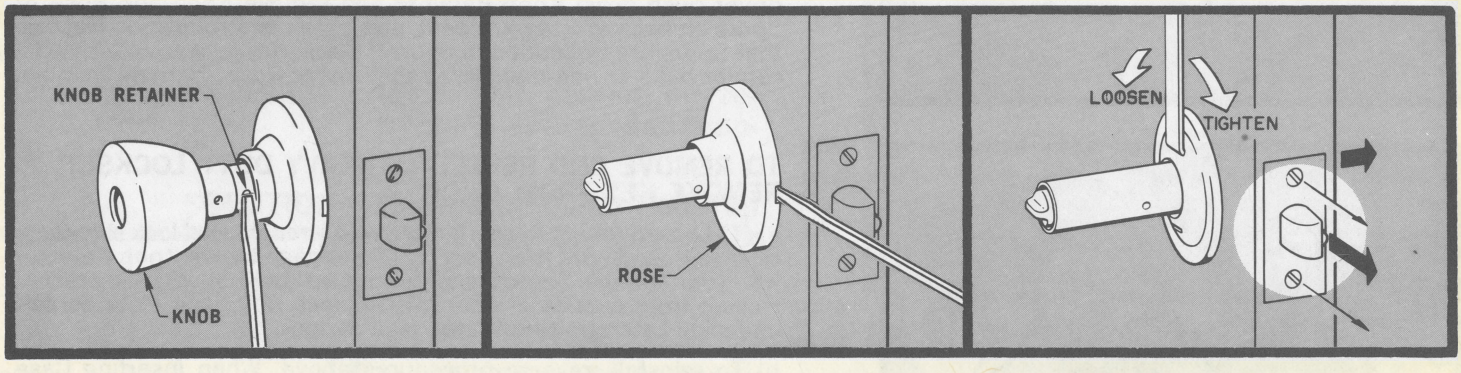
a) Follow procedure in No. 7 above. (1) **Slightly loosen** ONE Case Screw, and back off the other. (2) Swing out outside Knob Retainer (it pivots on Case Screw slightly loosened above). (3) Lift Knob out and rotate it 180°. Replace it in Case. Swing Knob Retainer back into place. Insert Case Screw and tighten both screws.

b) Reinstall, following No. 7 above.

STANDARD DUTY CYLINDRICAL LOCKSETS

10 TO TIGHTEN STANDARD DUTY LOCKSET

Depress Knob Retainer and remove inside Knob. Unsnap Rose from Rose Liner. Place wrench into slot in Rose Liner and rotate clockwise until tight on door. If lockset is extremely loose, tighten outside Rose and Inside Liner **equally.** Replace Inside Rose; depress Knob Retainer and slide Knob onto spindle until Retainer engages hole in Knob shank.



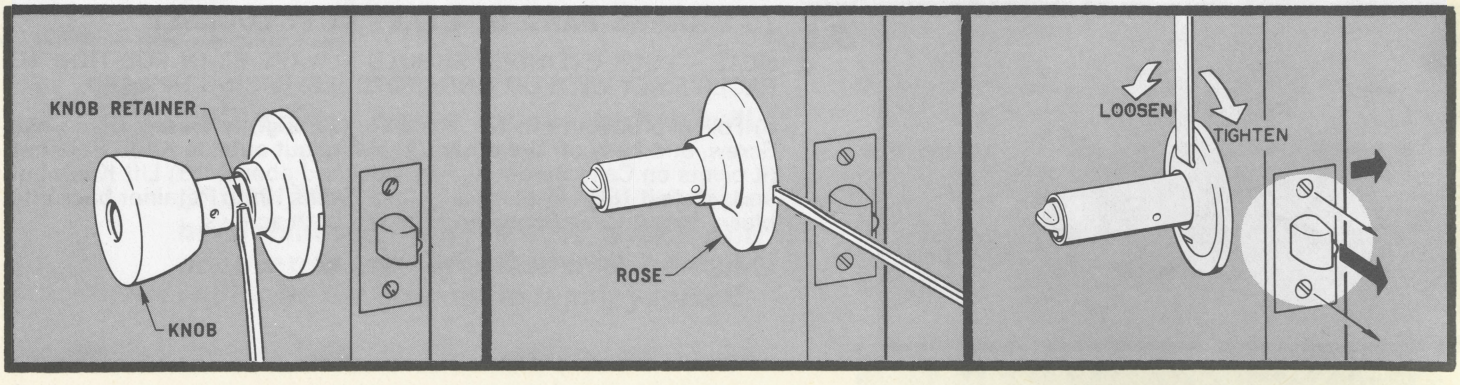
11 TO REMOVE AND REINSTALL STANDARD DUTY LOCKSET

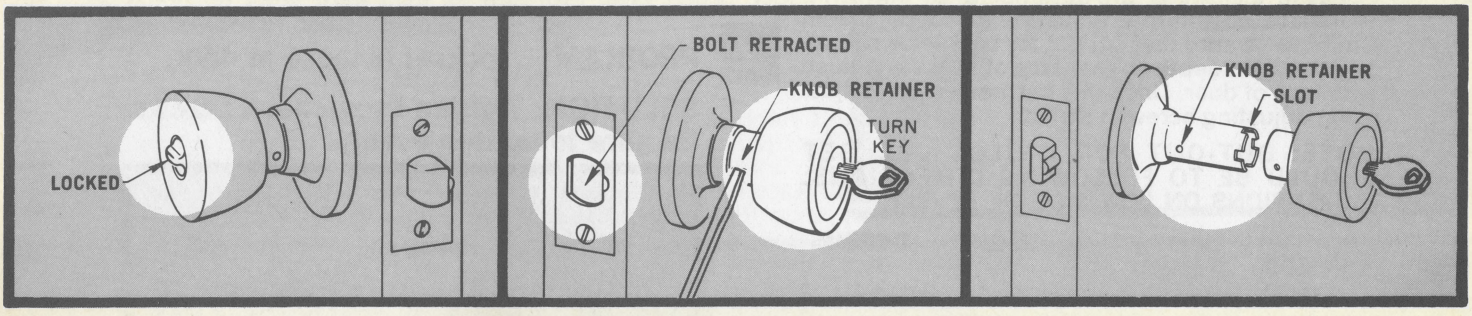
TO REMOVE

Depress Knob Retainer and remove inside Knob. Unsnap Rose from Rose Liner. Place wrench into slot in Rose Liner and rotate counter-clockwise until disengaged from Spindle. Remove Lock by pulling outside knob. Remove Bolt after removing screws in lock face of door.

TO INSTALL

First, adjust Lock for door thickness by turning outside Rose until edge of Rose matches one of the lines marked on the shank of the Knob. (First line is for 1⅜" door, second for 1¾" door). When using trim rosettes, increase adjustment to compensate for thickness of metal. Install Latch Bolt in face of door. Install Lock from outside of door so that Case engages slot in Latch Bolt and Tail interlocks Retractor. Replace Rose Liner, Rose and Knob on inside of door, reversing procedure in 11.



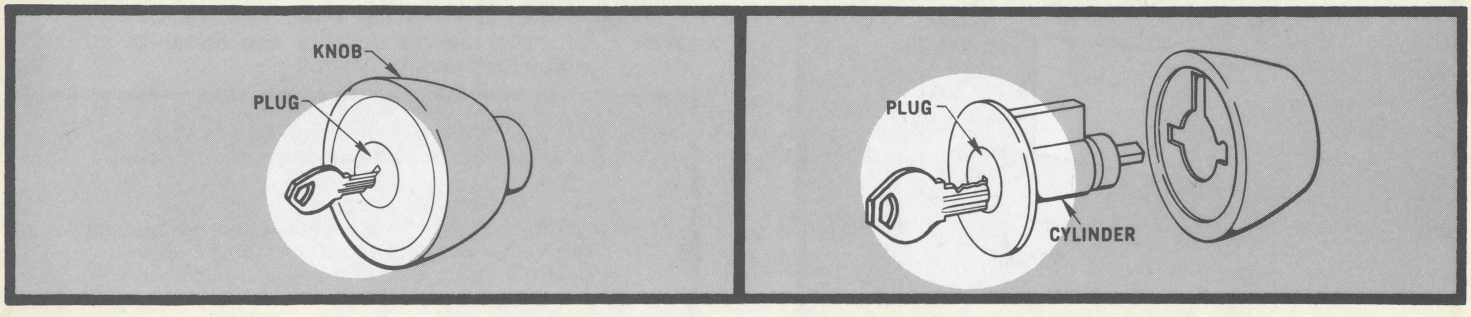


12 TO CHANGE HAND OF STANDARD DUTY LOCKSET

NOTE: Properly installed, key Bitting will be UP when inserted in lock.

Lock Exterior Knob. Hold Latch Bolt in retracted position with key. Depress Knob Retainer with screwdriver through slot in Knob Shank. Pull Knob off Spindle. Rotate Knob so that bitting on key will be **UP**.

Replace Knob by lining up Lance in neck of Knob with slot in Spindle. Push knob on Spindle until it hits Retainer Button. Depress Retainer Button, and push Knob until it snaps into position.



13 TO REMOVE CYLINDER

Remove outside Knob as in #12. Turn key in either direction until it can be partially extended from plug. Hold Knob and turn key to left, pulling slightly on key until cylinder disengages.

After keying, pull key partially out of cylinder assembly and insert cylinder body in opening in end of knob. Turn key to right until cylinder body stops in knob.

Reinstall knob as in #12

UNILOC LOCKSETS
500 and 600 SERIES

RUSSWIN®

CARE AND ADJUSTMENT

BEFORE PROCEEDING, CHECK "SIMPLE SILLIES" ON PAGE 1

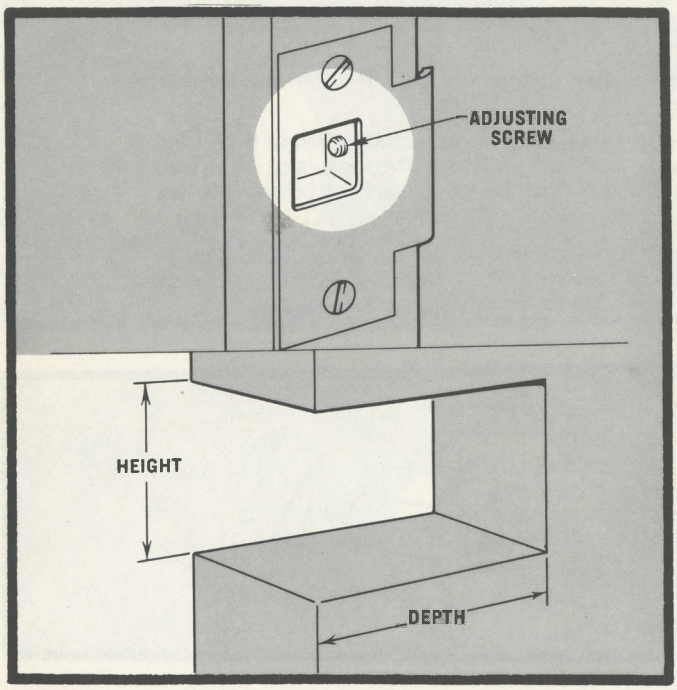
1 **PROBLEM: latch bolt binds or rattles in strike**

SOLUTION: Adjust Strike.

Because lockset is pre-assembled as one unit, there are no internal adjustments to be made. Check to be sure that cut-out for Lockset is square and the right depth so that face of Lockset is flush with face of door. Once this has been done, adjust nylon adjusting screw in Strike.

NOTE: CUT-OUT FOR UNILOC LOCKSET SHOULD BE TO FOLLOWING DIMENSIONS: (DIMENSIONS ON LOW SIDE OF BEVEL)

	HEIGHT	DEPTH
500	1¾"	3⅝"
600	1¾"	3¾"

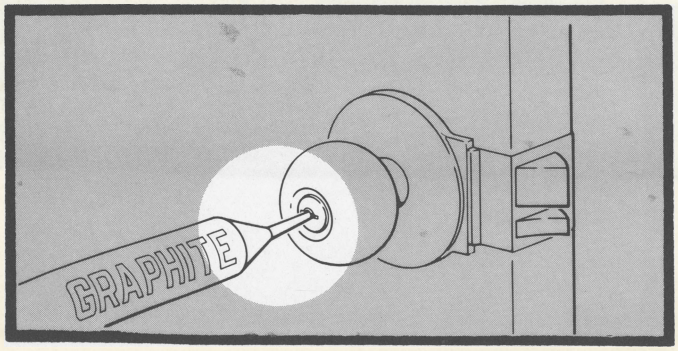


2 **PROBLEM: key does not activate knob or latch bolt**

SOLUTION: a. Check for worn key.

If Bitting (Notches) in key is worn down or key is bent, locking mechanism will not operate properly. Have Dealer or Locksmith furnish genuine replacement key.

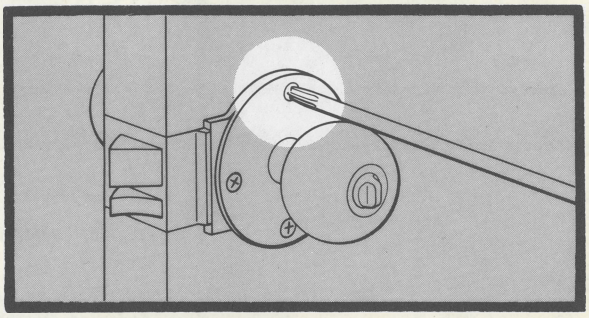
b. If key is not worn, spray powdered graphite into keyway or put graphite or lead pencil filings on key and move back and forth slowly in keyway. NEVER USE PETROLEUM PRODUCTS.



c. Check to be sure that binding latch is not the cause. If condition does not correct itself, remove Lockset from Door and return to Dealer or Locksmith (SEE REMOVAL INSTRUCTIONS BELOW)

3 **PROBLEM: lockset is loose in door.**

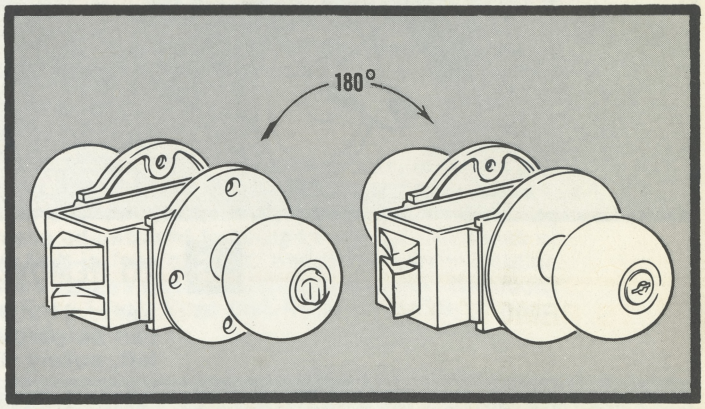
SOLUTION: Tighten Escutcheon Screws. Be sure to tighten evenly.



4 **PROBLEM: lockset wrong bevel for door.**

SOLUTION: Reverse Lockset

Uniloc Locksets with HORIZONTAL keyway may be changed from right to left hand regular bevel door, or vice-versa—or from right hand reverse bevel to left hand reverse bevel or vice-versa—by merely turning lock upside down.

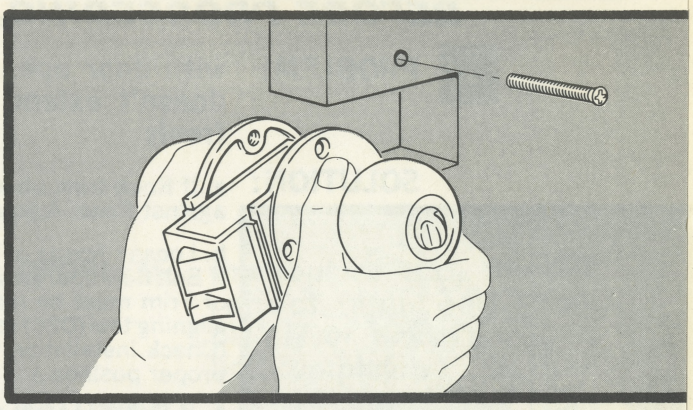


GENERAL CARE OF UNILOC LOCKSETS

The Uniloc Lockset is a precision lockset requiring no field adjustment other than that reviewed above. Do not attempt to disassemble the lock in case of operational failure. Remove it and return it to your Dealer or Locksmith. To prevent wear which may cut down on the life of the unit, periodically check to see that strike is aligned and that there is no binding of the bolt. Tighten Mounting Screws and Through-Bolts as necessary.

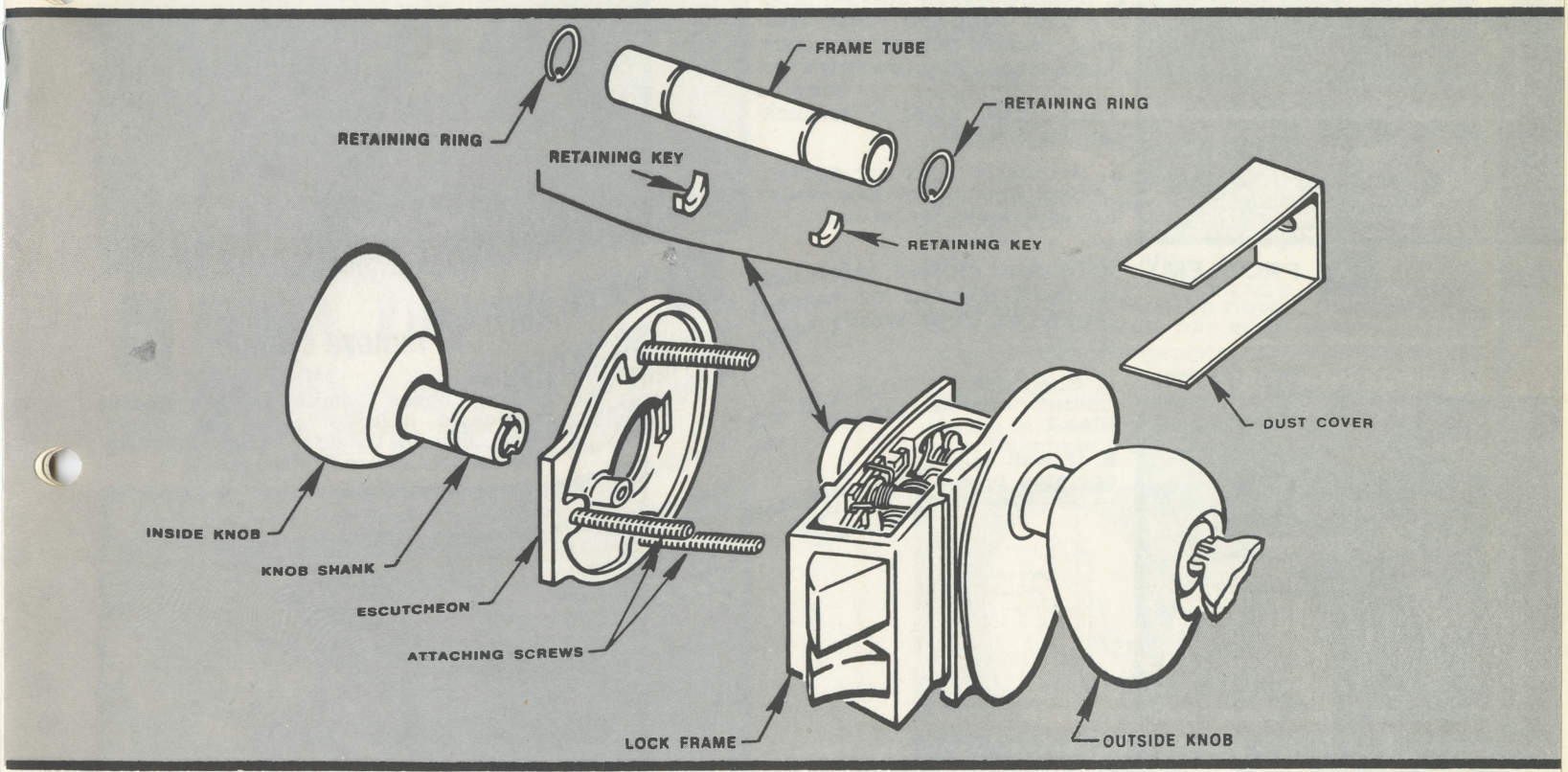
UNILOC is a trademark of Russwin, Division of Emhart Corporation, New Britain, Conn.

UNILOC LOCKSETS
500 and 600 SERIES



5 TO REMOVE LOCKSET FROM DOOR

Remove Through-Bolts on inside of door. Push outside escutcheon away from door so that lugs clear holes. Slide assembly out of door.



6 TO REMOVE KNOBS

600 SERIES

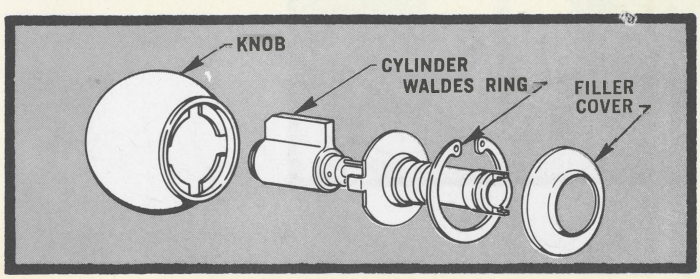
a. Remove attaching screws.
b. Snap off dust cover.
c. Pry wire retaining ring from knob retaining key located in a slot in the frame tube. Remove retaining key. Remove inside knob which is fastened to knob shank.
d. Remove inside escutcheon.
e. Loosen escutcheon on outside of lock by inserting a screw driver through access hole from the inside of the lock frame and remove screw and escutcheon fastener.
f. Pry wire retaining ring from knob retaining key located in a slot in the frame tube. Remove retaining key. Remove outside knob which is fastened to knob shank.

500 SERIES

a. Remove key from lock — lock should be unlocked. Remove the three attaching screws.
b. Snap off dust cover.
c. On inside knob side, pry wire retaining ring away from knob retaining key located in slot in Frame Tube. Remove retaining key. Remove knob that has shank assembled to knob.
d. Remove inside escutcheon.
e. Loosen escutcheon on outside of lock by inserting a screw driver through access hole from the inside of the lock chassis and remove screw and washer.
f. Repeat instruction "C" on outside knob and shank.

7 TO REMOVE CYLINDERS

Using screwdriver, pry Knob Filler Cover off outside knob. Use No. 103F92 Waldes Retaining Pliers to remove Waldes Ring. Remove Shank and Lock Cylinder. Rekey lock. Reverse procedure to reinstall. Be sure that beveled edge of Waldes Ring faces away from Knob and that Ring is properly seated in the groove.



MORTISE LOCKSETS
1000, 2000, 3000 SERIES

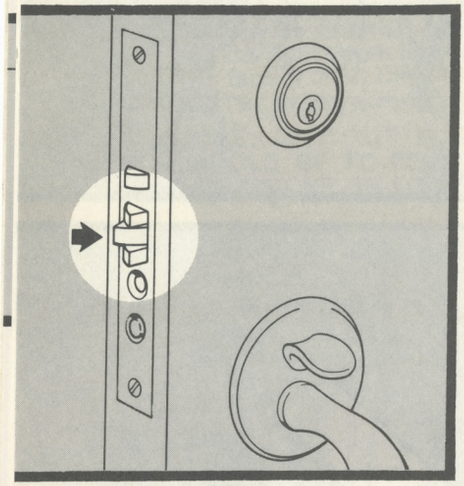
RUSSWIN

CARE AND ADJUSTMENT

BEFORE PROCEEDING, CHECK "SIMPLE SILLIES" ON PAGE 1

1 PROBLEM: with door open latch bolt doesn't extend or retract freely

SOLUTION:



a. If Knob trim, check for binding against Rose. Adjust Knob.

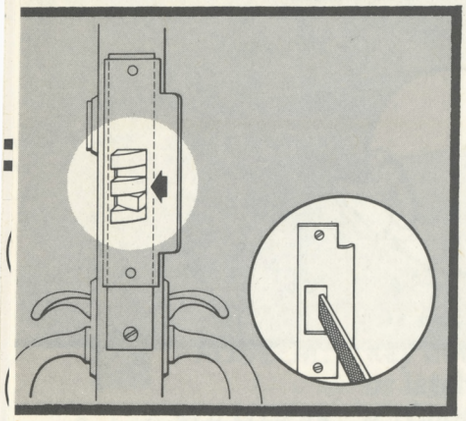
b. Loosen Roses or Trim on door. If Bolt now operates freely, Roses or Trim must be realigned. Knob aligning tool (028) recommended. (Check installation templates for proper position.)

c. If Bolt does not operate properly with Trim and Roses loosened, remove lockset from door. If Lockset operates properly when removed from door, use chisel to make mortise larger so that Lockset enters freely.

d. If Lockset does not operate properly when out of door, return it to your dealer for repair.

2 PROBLEM: with door closed, latch bolt doesn't extend or retract freely or door won't latch at all.

SOLUTION:

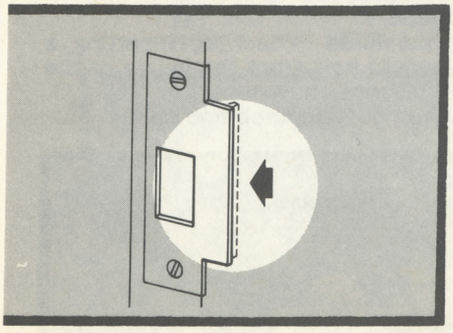


a. Open door. If Latch Bolt still doesn't operate properly, see Step 1.

b. If, with door open, Latch Bolt operates properly, see Page 1, #3 for Strike-Bolt alignment.

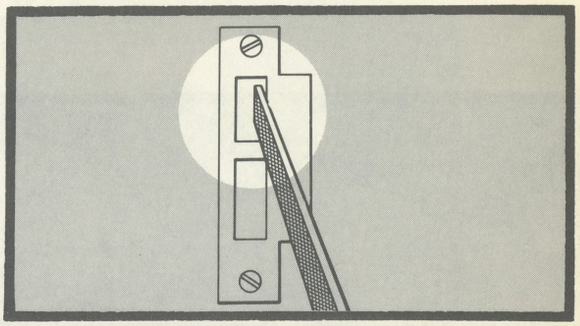
3 PROBLEM: latch bolt "stubs" on strike lip

SOLUTION: Bend Strike slightly back toward jamb. Wax or parafin makes an excellent lubricant as does silicone spray. (Graphite on the bolt or strike may be rubbed off on clothing)



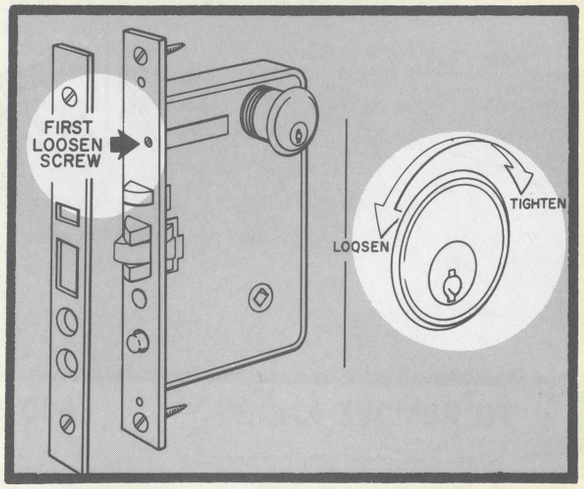
4 PROBLEM: deadbolt doesn't enter strike

SOLUTION: This is probably due to misalignment of Strike and Bolt, particularly in cases where door sag has taken place. **BOTH** Latch Bolt and Dead Bolt holes in Strike must be filed or the Strike repositioned. NOTE: DO NOT FORCE THUMBPIECE if Dead Bolt doesn't extend and retract in Strike **freely** or at all.



5 PROBLEM: to remove cylinder

SOLUTION: Loosen Cylinder Locking Screws in face of Lockset. If Scalp covers Set Screws, remove Scalp. Unscrew Cylinder. When replacing, be sure Locking Screws are firmly seated.



6 PROBLEM: key does not operate latch bolt or dead bolt.

SOLUTION: Loosen Cylinder Locking Screws. Cylinder is in wrong position in door, so that cylinder cam does not engage locking mechanism properly. Turn Cylinder a whole turn to the left or right until working properly. (Keyway must always be in position to receive key with Bitting (Notches) up.). Tighten Cylinder Locking Screws.

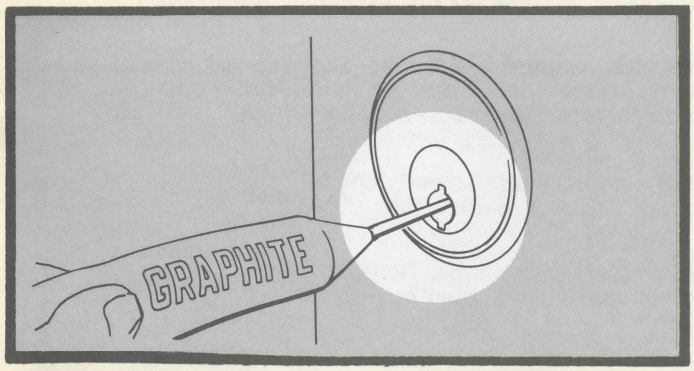
7 PROBLEM: key turns hard when retracting dead bolt.

SOLUTION: If bolt operates freely with door open, see Page 1, #3 for Bolt-Strike alignment.

a. Check Scalp to be sure it is not binding Bolt or that paint over Bolt is not causing bind.

8 **PROBLEM: key works hard in cylinder**

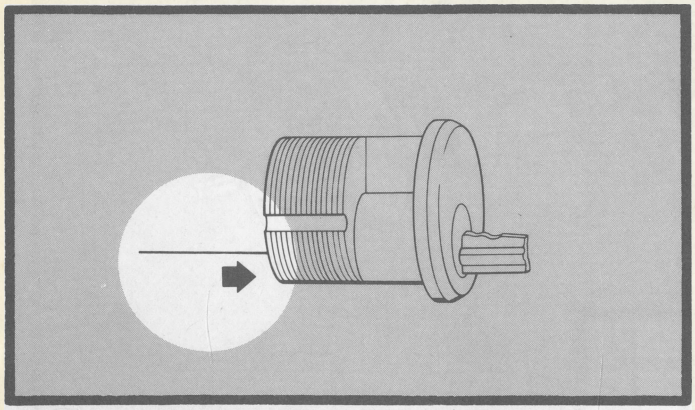
SOLUTION: Lubricate cylinder with powdered graphite or place graphite on key and move back and forth slowly in keyway. DO NOT EVER USE ANY PETROLEUM LUBRICANTS.



9 **PROBLEM: if key breaks in lock.**

SOLUTION: **a.** Remove cylinder from lock. Insert a long pin or wire into the back end (cam end of the cylinder). Move back and forth until broken key stub is forced out through front of cylinder.

b. Clean cylinder with Ethyl Acetate and lubricate with graphite before reinstalling.



IMPORTANT

WHEN ORDERING NEW KEYS —

DO NOT continue to use worn keys or keys that do not operate easily. Obtain from your Dealer or Locksmith only genuine replacement keys.

DO NOT Attempt to disassemble cylinder and file pins in order to make keys operative.

10 **PROBLEM: thumbpiece trim doesn't retract latch bolt completely or doesn't extend bolt completely.**

SOLUTION: Adjust position of Thumbpiece.

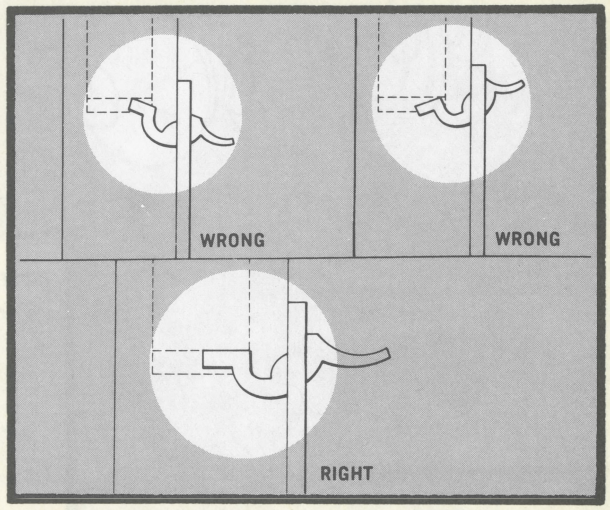
a. Check for binding at inside trim, or if outside Thumbpiece Trim is used in conjunction with inside Panic Device, check to see it is operating properly and is not dogged down.

b. Remove Thumbpiece and check position of Thumbpiece in relation to Latch Trip at bottom of Mortise Lock case. When properly installed, top of Thumbpiece should be up against bottom of Latch Trip, **but not lifting it.**

IF BOLT DOESN'T RETRACT FULLY WHEN THUMBPIECE IS PUSHED DOWN, Thumbpiece is too low on door. Move trim **up** as needed.

IF BOLT DOESN'T EXTEND COMPLETELY WHEN THUMBPIECE IS RELEASED, Thumbpiece is too high on the door. Move trim **down** as needed.

If Trim is fixed and cannot be moved, carefully bend thumbpiece tail up or down.



11 TO INSTALL AND ADJUST WORKING TRIM

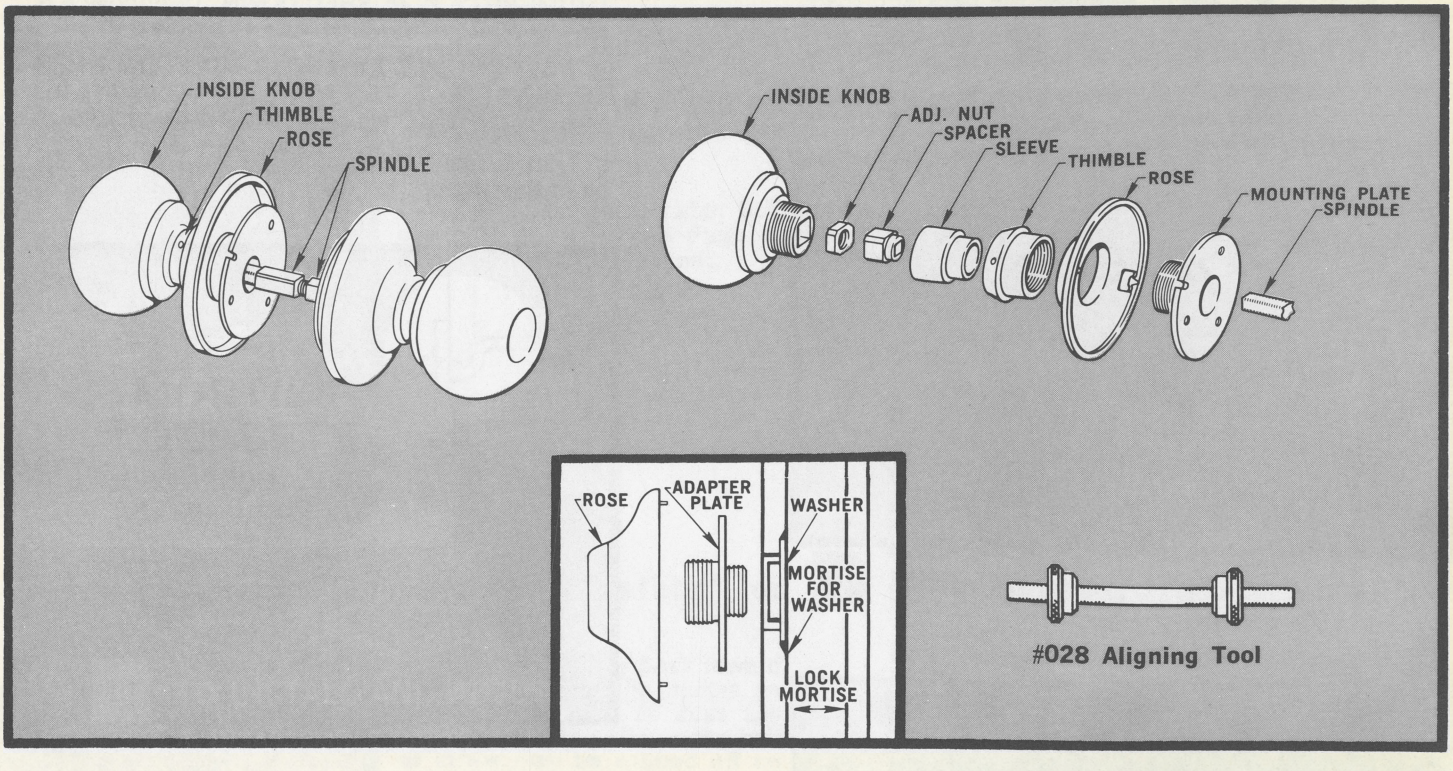
A. DISASSEMBLE PARTS
Unscrew Spindle. Remove Mounting Plates, Roses and Thimble from Spindle. Unscrew Sleeve from inside knob. Remove Spindle from Knob.

B. Install Rose Attaching Plates. On wood doors install flange washers through the mortise, turning the attaching plates into them. (NOTE: It may be necessary to mortise for the washer to permit the Mortise Lock to clear it.) Install the Mortise Lock.

C. Align Plates using #028 Aligning Tool. If not available, assemble Spindles allowing 1/16" gap between halves of Swivel Spindles, with Mounting Plates, Sleeve Spacer, and Adjusting Nut in position shown in illustration. Tighten Adjusting Nut with fingers. Mark screw holes through both Mounting Plates. Install screws.

D. Adjust. Reassemble Spindle, tightening Adjusting Nut, and back off 1/4 turn to line up with flats of spacer. Spindle should have slight end chuck. Try Knob. If Latch binds, back off Adjusting Nut another 1/4 turn. Disassemble Spindle.

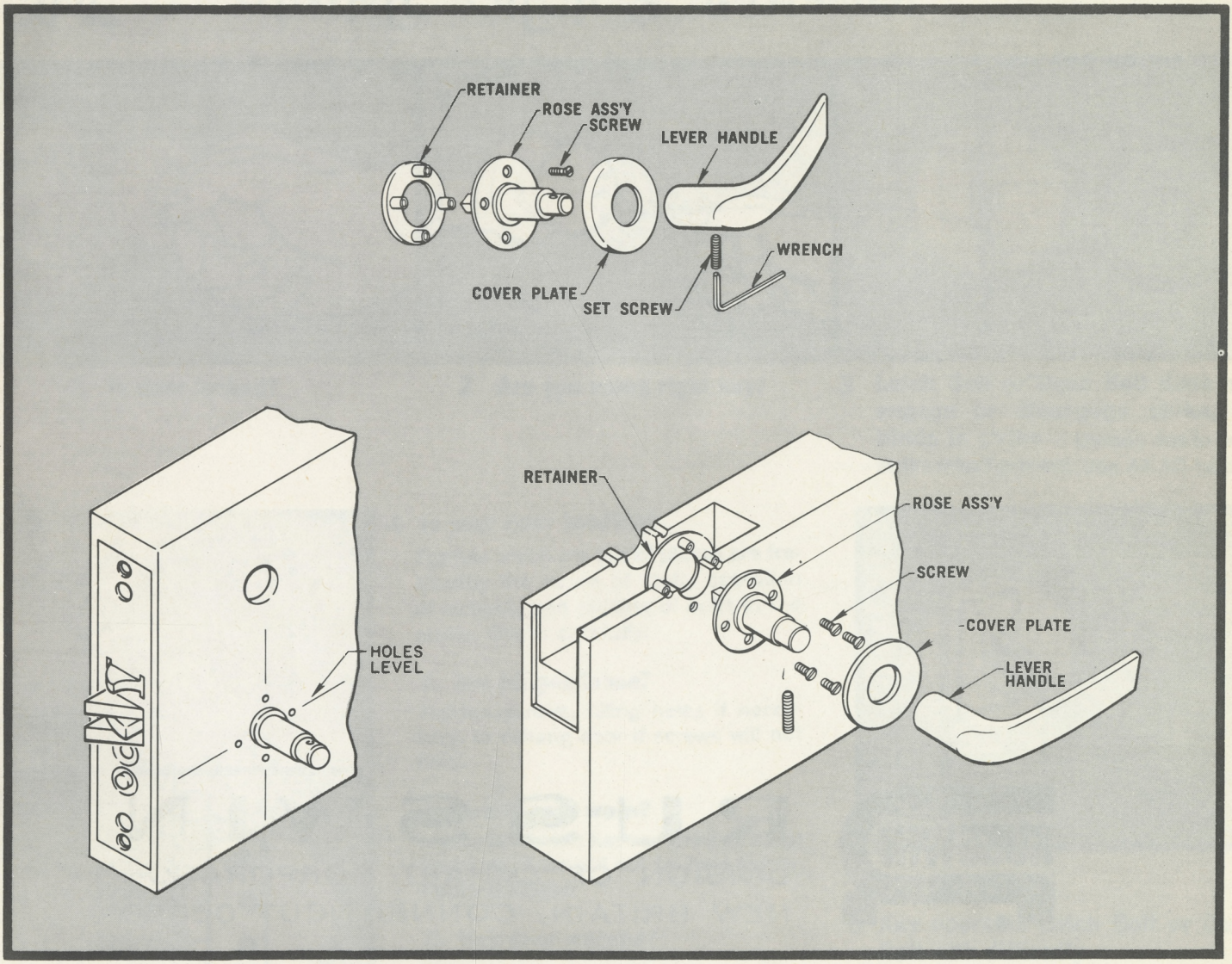
E. Assemble Roses and Thimble. Reassemble Spindle complete with Knobs. Tighten Rose Thimbles and Inside Adjusting Plate with furnished spanner wrenches. Knobs should turn freely from either side in either direction.



TO INSTALL AND ADJUST LEVER HANDLE TRIM ASSEMBLY –

A. Check to be sure that Handle hole is 1⅛" wide. (NOTE: On wood doors, remove Mortise Lockset and make additional Mortise for Retainer on inside of Case Mortise. Replace Locksets and secure with screws.) Place Rose Assembly Spindle into lock Hub. NOTE: Label shows top and Latch edge. Spot 4 screw holes through Assembly Plate. Make sure that Latch Bolt operates freely. Drill holes VERY CAREFULLY. Attach Rose Assembly to door. (With wood door, attach through door to Retainer.) Put on Cover Plates. Place Lever Handle on Assembly and secure with Allen Set Screw.

B. Adjust. If Latch Bolt binds, remove lower plate and slightly change Rose Assembly position.



RUSSWIN
DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050



RUSSWIN

DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT 06050

M-2R-66

Printed in U.S.A.

RUSSWIN

RUSSWIN

BERLIN, CONNECTICUT 06037

April 13, 1971

APR 15 1971

Robert Skeels & Company
P. O. Box 2183
Los Angeles, California - 90054

ATTENTION: Lester C. Jordan

Dear Mr. Jordan:

In reply to your letter of March 13, 1971, please be advised that Stop Lever 236F24- 8 has been replaced by Stop Lever 354F31-8 (which, as you say, has a pin attached and no hole.)

Other than this, the parts lists as printed is correct.

We are enclosing the Parts Lists for locks prior to January 1, 1967 but be advised that availability is subject to parts on hand.

Very truly yours,

RUSSWIN

DIVISION OF EMHART CORPORATION

O. J. Manochi
Advertising Manager

OJM/lak
cc: W.J.Ross, Sales Repr.
enc.

Distinctive Doorware

SINCE 1839

RUSSWIN

ARCHITECTURAL HARDWARE