

Lockset Program

North American Manual

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Lockset Program

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Door Closers

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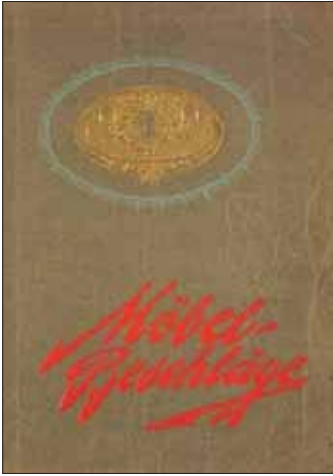
Installation Instructions

Specialty Applications

Lockset Program

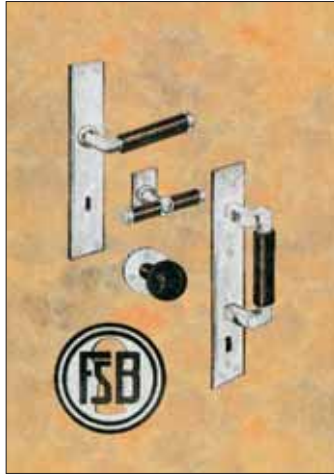
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About FSB



1881

FSB was established in 1881. Together with a modest workforce, company founder Franz Schneider produced antique-style brass cabinet fittings.



1920s

In the early 1920s, the first door and window fittings appeared in the FSB production program. The design of these years echoed the modernism of the Bauhaus era. Silver metal components were combined with black composite features.



1950s

Beginning with in-house designer Johannes Potente in the 1950s, FSB created the first handles which exemplify minimalism, modernism and ergonomics. FSB is still known for the use of these design principles today.

Four of Potente's lever designs have been included in the permanent collection of the Museum of Modern Art (MoMA).



1990s

Inspired by an international design workshop held in Brakel in 1986, FSB began engaging the market with contemporary designs in an initiative dubbed "Tour d'Europe." Throughout this initiative FSB created design suites with such renowned designers as Philippe Starck, Jasper Morrison, Richard Rogers and many others.

For the past two decades, FSB has continued to work with Architects and Designers to create handles – each with their own personality.



2000s

FSB introduces a limited range of levers supplied in complete locksets to the American design community. The first catalog was approximately 80 pages. Two later catalogs increased FSB's North American offering to nearly 100 lever designs.

In 2007, FSB expanded the North American distribution center, moving it to Madison, CT, where the majority of products are stocked in natural anodized aluminum and satin stainless steel. Stock items can be shipped in 48 hours. All non-stock items can be shipped within two to eight weeks regardless of the product type, finish or project size.

This is FSB's fourth edition for the North American market. It represents a huge step forward to offer a complete program which brings design consistency across more openings and applications.

This catalog is separated into different sections, tailored to your specific needs.

For the latest information please go to www.fsbna.com.

New Products



METRIC Bath Accessories

FSB has dedicated an entire section to a well designed range of bathroom accessories in solid stainless steel. The design principle is based on a minimal rectangular post centered on a small round escutcheon.



Sliding Door Hardware

Building owners are demanding more efficient use of space. Consequently, architects and designers are utilizing many more sliding and pocket doors.

In recognition of this trend FSB has developed an entire range of flush mounted trim for passage, privacy and entry applications. We demonstrate our penchant for divising aesthetically pleasing technical solutions by offering the market's first flush pulls with spring loaded covers, as pictured above.

A complete overview of these products is provided in the "Sliding Door Hardware" section.



Bronze

There is an increase in an "old meets new aesthetic" in which designers are combining traditional finishes with more minimal and modern design. For years, FSB has offered ten of our best selling handles in solid brass, either polished or oxidized to give them varying degrees of antiquing to suit the designers' needs.

FSB now introduces Bronze as a new material for our lever handles and accessories. The special appeal of bronze is the patina that develops on its surface. In the course of daily use, polished bronze parts darken naturally, becoming more distinguished with time.

We have created a complete section titled "Brass and Bronze Products" to cover all the products we offer in these two exceptional base materials. We offer eight bronze handles and ten brass handles for projects that may benefit from this "old meets new" aesthetic. All brass and bronze products can be oxidized to varying degrees of darkness, depending on "the mood" a designer would like to create.



Glass Door Hardware

Creating more open spaces has become a cornerstone of modern architecture. Utilizing large pieces of glass, whether for windows, doors, or walls, facilitates this objective.

FSB has broadened its glass door program to include locks and hinges for swinging glass doors as well as exposed rolling gears for sliding glass doors. These products can be found in the section "Door Pulls and Glass Door Hardware".

Specifying Locksets

1.
1147 – **2.**
ST – **3.**
6204 – **4.**
SM

1. Lever or Knob Design

The lever or knob selection is indicated with a four-digit FSB Design number.

FSB stocks 44 levers and 7 knobs in its North American distribution facility. Refer to page 12 to select your lever design and material.

If you are specifying a lock type or function which does not require a lever handle, begin your specification code with the trim set designation.

All details on specific finishes available are provided in the “Lever, Knob and Trim Designs” section on each lever page. Please confirm the lever you have selected is offered in your desired finish.

2. Trim Set

While FSB levers can be used on almost any FSB rose or escutcheon plate, we have increased choices and simplified specification for complete locksets by utilizing a code to describe the eleven most common trim sets.

Either trim set RA or RB has been selected by FSB for every lever and is indicated on each lever page in the “Lever, Knob and Trim Designs” section. If you use “ST” when specifying a lockset, we will provide the trim set indicated by FSB.

ST Standard Trim, as indicated by FSB

Optional Trim Sets

- RA** Hard Edge Rose 2³/₁₆" (55 mm)
- RB** Soft Edge Rose 2³/₁₆" (55 mm)
- RC** Hard Edge Rose with ADA Thumbturn
- RD** Rose for 2¹/₈" Pre-Bored Doors
- RE** Sprung Rose for 2¹/₈" Pre-Bored Doors
- RF** Narrow Rose
- RG** Square Rose
- EA** Short Rounded Escutcheon Plate
- EB** Short Rectangular Escutcheon Plate
- EC** Long Rounded Escutcheon Plate
- ED** Long Rectangular Escutcheon Plate
- CT** Custom Trim Set

Refer to pages 16–27 of this section regarding trim sets.

More details on specific set components are provided in the “Lever, Knob and Trim Designs” section.

3. Material and Finish

While FSB stocks natural anodized aluminum and satin stainless steel in its North American distribution facility, FSB offers its products in as many as twenty different finishes, see the list and FSB code below.

- Aluminum Anodized**
 - 0105** Natural Color
 - 0205** German Silver (Champagne) Color
 - 0305** Brass Color
 - 0405** Bronze Color
 - 0704** Dark Bronze Color

- Aluminum Powder Coated**
 - 8220** White
 - 8120** Black
 - 8320** Red

- AluGrey Anodized**
 - 1005** Natural Color

- Stainless Steel**
 - 6204** Satin
 - 6205** Mirror Polished
 - 6206** Matte
 - 6210** Brass Color PVD

- Bronze**
 - 7305** Polished Oil Rubbed
 - 7615** Aged and Oil Rubbed
 - 7625** Patinated and Oil Rubbed

- Brass**
 - 4205** Polished Lacquered
 - 4305** Polished Oil Rubbed
 - 4694** Oxidized Lacquered
 - 4404** Oxidized Oil Rubbed

Please refer to pages 8–11 for information regarding finishes.

More details about finishes are provided in the “About FSB” section.

4. Lock and Latch Type

The lock type is indicated with two capital letters.

- SM** Standard Backset Mortise
- NM** Narrow Backset Mortise
- EM** European Mortise

- HL** Heavy Duty Lever Latch
- ML** Medium Duty Lever Latch
- KL** Knob and Lever Latch

- HD** Heavy Duty Privacy Deadbolt
- MD** Medium Duty Privacy Deadbolt
- KD** Keyed Deadbolt

- DS** Fixed Dummy Set
- AD** Active Dummy Mortise

Functions are dependent on lock type. Not all functions are available for all lock types.

Refer to pages 29–61 of this section regarding lock types. More details about lock types are provided in the “Components” section.

5.
A – **6.**
2 3/4" – **7.**
RHR – **8.**
1 3/4"

5. Lock and Latch Function

The lock and latch functions as well as dummy sets are indicated with a letter.

- A** Store Door
- B** Dormitory
- C** Passage
- D** Hotel
- E** Privacy
- F** Public Restroom
- G** Classroom
- H** Entrance
- I** Office
- J** Storeroom
- J (EU)** Electrified (Fail Secure)
- J (EL)** Electrified (Fail Safe)
- K** Apartment
- M** Single Key Deadlock
- N** Key x Key Deadlock
- P** Key x Thumbturn Deadlock
- R** Thumbturn Deadlock
- S** Thumbturn Deadlock with Emergency Release

- Y** Levers Back to Back
- Z** Single Levers

Trim sets are dependent on lock functions. Not all trim sets are available for all functions.

Refer to pages 30–61 of this section regarding lock functions.

Refer to pages 62–68 of this section regarding dummies.

Example for Specifying:

1147 - ST - 6204 - SM - A - 2 3/4" - RHR - 1 3/4"

6. Backset

FSB offers ten different backsets for mortise locks and two for tubular latches.

We stock both 2 1/2" and 2 3/4" backset ANSI mortise locks as well as 2 3/8" and 2 3/4" backset tubular latches.

We can supply the following backsets:

Lock Type SM:
2 1/2", 2 3/4", 3 3/4", 5", 6"

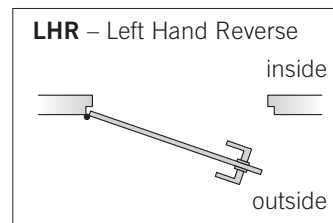
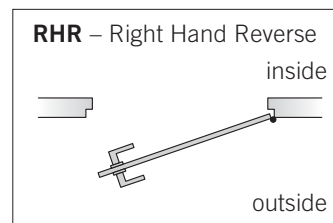
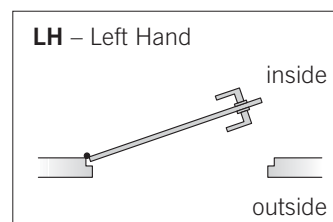
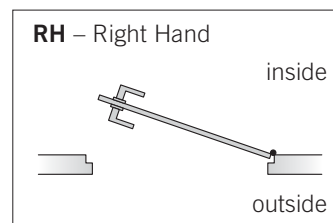
Lock Type NM:
1 1/2", 1 3/4", 2", 2 1/4"

Lock Type EM:
55 mm (2 3/16")

Lock Types HL, ML, KL, HD, MD, KD:
2 3/8", 2 3/4"

7. Handing

Doors are either right hand (RH) or left hand (LH) inswinging or right hand reverse (RHR) or left hand reverse (LHR) outswinging, relative to which way they open. The hand of a door is always determined from the outside (locked side) of a door.

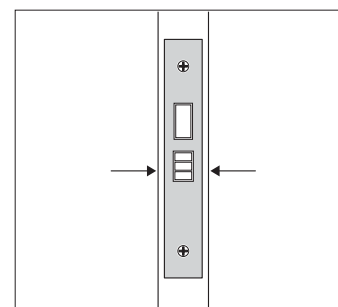


8. Door Thickness

Standard doors almost invariably feature standardized door thicknesses.

FSB spindles are available from stock for door thicknesses 1 3/8" to 2 1/4". FSB can supply spindles for doors up to 3 1/2" thick on special order.

The thickness of doors should be checked and any discrepancy pointed out when ordering.



1 3/8" - 2 1/4" Standard
2 1/2" - 3 1/2" Special Order

Materials and Finishes

Most of our hardware is available in aluminum and stainless steel as a base material.

We offer up to five finishes on certain base materials with twenty finishes overall. Aluminum is either anodized or powder coated.

To confirm a particular finish is available, consult the bottom of the lever pages.

On overview pages, and all pages throughout this catalog, only the base material is indicated. It can be assumed that all finishes shown to the right of the base material below are available whenever a base material is indicated for a product.

If, by exception, a specific finish is not available for a given base material, it will be stated by the detail page for that product.

Base Material

Aluminum Anodized

Aluminum Powder Coated

AluGrey Anodized

Stainless Steel

Bronze

Brass

FSB Finish (BHMA Code)

0105 Natural Color (628)

0205 German Silver (Champagne) Color

0305 Brass Color (688)

0405 Bronze Color (709)

0704 Dark Bronze Color (710)

8220 White (714E)

8320 Red

8120 Black (693)

1005 AluGrey

6204 Satin (630)

6205 Mirror Polished (629)

6206 Matte

6210 Brass Color PVD (605E)

7305 Polished Oil Rubbed

7615 Artificially Aged and Oil Rubbed (615)

7625 Patinated and Oil Rubbed (613)

4205 Polished Lacquered (605)

4305 Polished Oil Rubbed (721)

4694 Oxidized Lacquered

4404 Oxidized Oil Rubbed (607)

Aluminum



0105
Aluminum
Natural Color
Anodized



8220
Aluminum Powder
Coated White
approx. RAL 9003



0205
Aluminum
German Silver
(Champagne) Color
Anodized



8320
Aluminum Powder
Coated Red
approx. RAL 3002



0305
Aluminum
Brass Color
Anodized



8120
Aluminum Powder
Coated Black
approx. RAL 9004

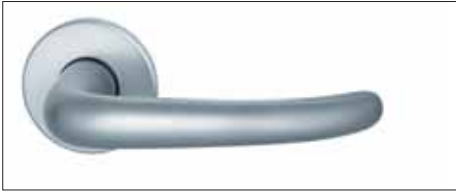


0405
Aluminum
Bronze Color
Anodized



0704
Aluminum
Dark Bronze Color
Anodized

AluGrey



1005
AluGrey

Stainless Steel



6204
Satin
Stainless Steel



6205
Mirror Polished
Stainless Steel

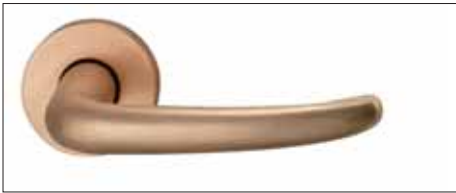


6206
Matte
Stainless Steel



6210
Stainless Steel
in Brass Color PVD

Bronze



7305
Bronze Polished
Oil Rubbed



7615
Bronze Artificially
Aged and Oil
Rubbed



7625
Bronze Patinated
and Oil Rubbed

Brass



4205
Brass Polished
Lacquered



4305
Brass Polished
Oil Rubbed














4694
Oxidized Brass
Lacquered



4404
Oxidized Brass
Oil Rubbed

For availability of these base materials,
please refer to the lever overview pages.

Lever Designs

1001	1003	1005	1007	1015	1016
					
■	■ ■ ■ ■ ●	■ ■ ■ ■ ●	■	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ●
1020	1021	1023	1025	1026	1027
					
■ ■ ■ ■ ■	■ ■ ■ ■ ●	■ ■ ■ ■ ■ ■ ■ ●	■ ■ ■ ■ ●	■ ■	■ ■ ■ ■ ●
1028	1029	1031	1034	1035	1045
					
■ ■ ■ ■ ■ ■ ●	■ ■	■ ■ ■ ■ ●	■ ■	■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●
1051	1053	1057	1058	1063	1064
					
■ ■	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●	■ ■ ■ ●	■ ■ ■ ■ ■	■ ■ ■ ■ ■
1069	1070	1074	1075	1076	1077
					
■ ■ ■ ■ ■	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●
1078	1080	1082	1088	1089	1093
					
■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●	■ ■ ■ ■ ■ ●

- Base Material
- Aluminum
 - AluGrey
 - Stainless Steel
 - FSB North American Stock Items (stocked in Natural Color Aluminum and Satin Stainless Steel)
 - Bronze
 - Brass
 - Plastic Black
 - Wood

1094	1102	1106	1107	1108	1111
					
□ □ □ ■ ●	□ ■ □ ■ ■ ■ ■ ■ ■ ●	□ □ □ ■ ■ ■ ■ ■ ●	□ □ □ ■ ●	□ □ □ ■ ●	□
1114	1118	1119	1126	1128	1144
					
■	□ □ ■ ●	□ □ □ ■ ●	■	■	□ □ □ ■ ●
1146	1147	1160	1163	1164	1171
					
□ □ □ ■ ■ ●	□ □ □ ■ ■ ●	□ □ □ ■ ●	□ □ □ ■ ■ ■ ●	□ □ □ ■ ■ ■ ●	□ □ □ ■ ●
1173	1176	1177	1178	1180	1182
					
□ □ □ ■ ●	□ □ □ ■ ●	□ □ □ ■ ●	□ □ □ ■ ●	□	□
1183	1191	1194	1197	1201	1202
					
□ □ ■ ●	□	■	■		□ □
1203	1204	1208	1209	1211	1212
					
■	■	■ ■	■ ■	■	■

Knob Designs

- FSB North America Stock Items (available in Natural Color Aluminum and Satin Stainless Steel)
- Aluminum
- AluGrey
- Stainless Steel
- Bronze
- Brass

0802	0804	0806	0816	0826	0828
■ ■ ■ ■ ■ ●	■ ■ ■ ●	■	■ ■ ■ ■	■ ■	■ ■ ■ ●
0829	0844	0858	0877	0880	0897
■ ■ ■ ■ ■ ●	■ ■ ■ ■ ●	■	■ ■ ■ ■ ●	■ ■ ■ ■ ■ ■ ●	■ ■

Introduction

Trim Sets

FSB has made it much easier to specifying our eleven most common trim sets.

The set is designed around the size and shape of the rose or escutcheon plate. Once you have decided on which design is of interest on the overview page (page 16), you can turn to the appropriate trim set page, which will show all related components of a given set.

When selecting lock type and function, further detail is provided regarding the trim set compatibility.

Trim Sets

RA

Hard Edge Rose 2 3/16" (55 mm)



Page 17

RB

Soft Edge Rose 2 3/16" (55 mm)



Page 18

RC

Hard Edge Rose 2 3/16" (55 mm) with ADA Thumbturn



Page 19

RD

Rose for 2 1/8" Pre-Bored Doors



Page 20

RE

Sprung Rose for 2 1/8" Pre-Bored Doors



Page 21

RF

Narrow Rose



Page 22

RG

Square Rose



Page 23

EA

Short Rounded Escutcheon Plate 7 1/4" (185 mm)



Page 24

EB

Short Rectangular Escutcheon Plate 7 1/4" (185 mm)



Page 25

EC

Long Rounded Escutcheon Plate 9 5/8" (245 mm)



Page 26

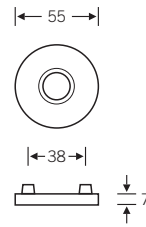
ED

Long Rectangular Escutcheon Plate 9 5/8" (245 mm)



Page 27

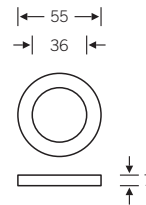
Trim Set RA



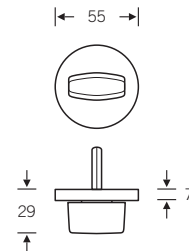
Hard Edge Rose

2 3/16" (55 mm)

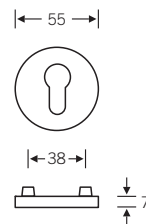
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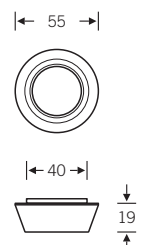
Cylinder Ring



Thumbturn and Emergency Release (with Indicator as standard)

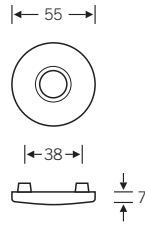


European Cylinder Ring



Keyed Deadbolt Cylinder Ring

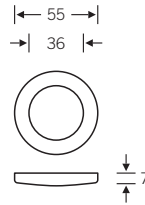
Trim Set RB



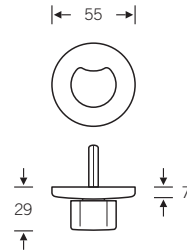
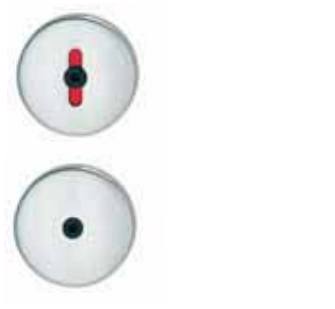
Soft Edge Rose

2 3/16" (55 mm)

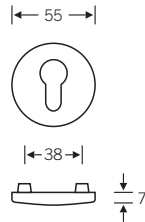
Compatibility is indicated on the function pages with this symbol:



Cylinder Ring

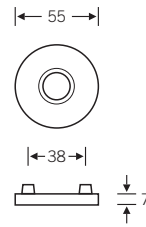


Thumbturn and
Emergency Release
(with Indicator as standard)



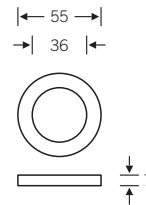
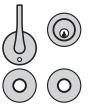
European Cylinder Ring

Trim Set RC

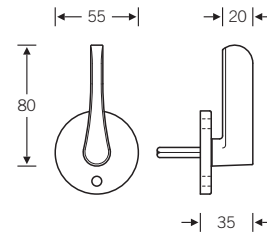


Hard Edge Rose
with ADA Thumbturn
2 3/16" (55 mm)

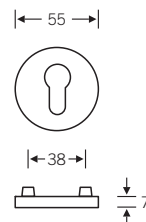
Compatibility is indicated on the function pages with this symbol:



Cylinder Ring

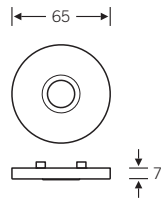


ADA Thumbturn and
Emergency Release
(with Indicator as standard)



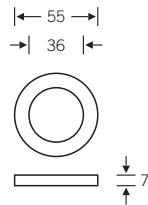
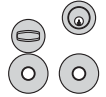
European Cylinder Ring

Trim Set RD

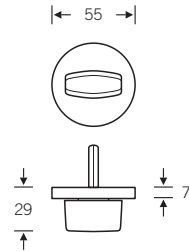


Rose for 2 1/8" Pre-Bored Doors

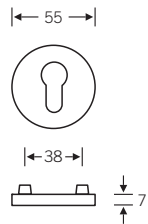
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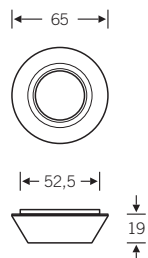
Cylinder Ring



Thumbturn and Emergency Release (with Indicator as standard)

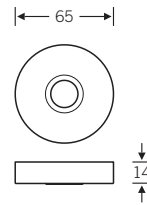


European Cylinder Ring



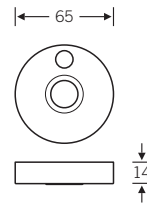
Keyed Deadbolt Cylinder Ring

Trim Set RE



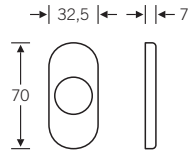
Sprung Rose for 2 1/8" Pre-Bored Doors

Compatibility is indicated on the function pages with this symbol:



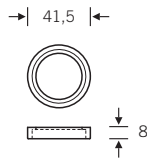
Privacy Rose

Trim Set RF

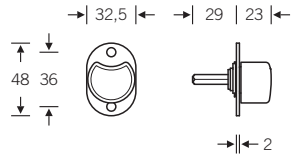


Narrow Rose

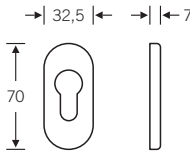
Compatibility is indicated on the function pages with this symbol:



Cylinder Ring

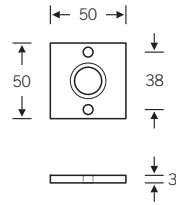


Thumbturn and Emergency Release (with Indicator)



European Cylinder Ring

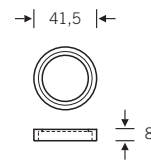
Trim Set RG



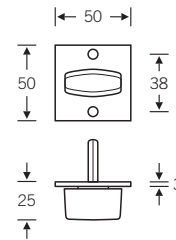
Square Rose

Supplied with exposed screws inside and concealed screws outside. For Series EM the screws are mounted horizontally.

Compatibility is indicated on the function pages with this symbol:

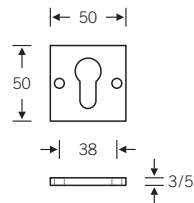


Cylinder Ring



Thumbturn and Emergency Release (with Indicator)

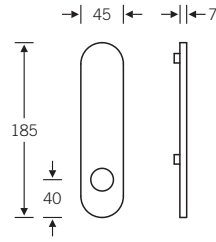
For Series EM the screws are mounted horizontally.



European Cylinder Ring

For Series EM the screws are mounted horizontally.

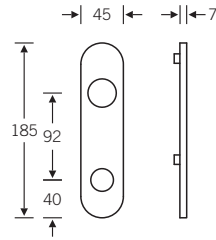
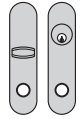
Trim Set EA



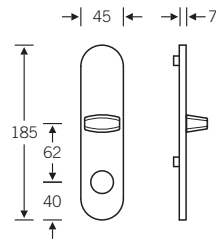
Short Rounded Escutcheon Plate

7 1/4" (185 mm)

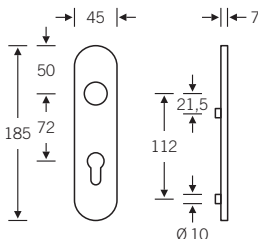
Compatibility is indicated on the function pages with this symbol:



Cylinder Hole

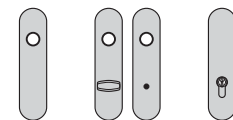


Thumbturn and Emergency Release (without Indicator)

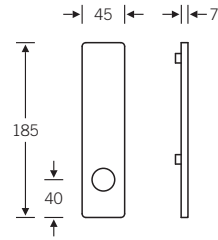


European Cylinder

Passage, Privacy and Deadbolt Plates also available.



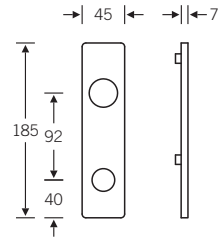
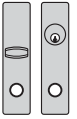
Trim Set EB



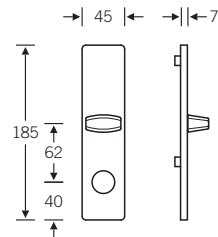
Short Rectangular Escutcheon Plate

7¼" (185 mm)

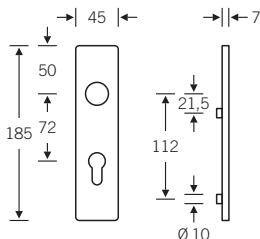
Compatibility is indicated on the function pages with this symbol:



Cylinder Hole

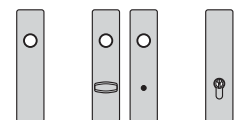


Thumbturn and Emergency Release (without Indicator)

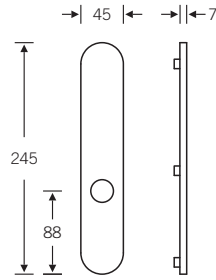
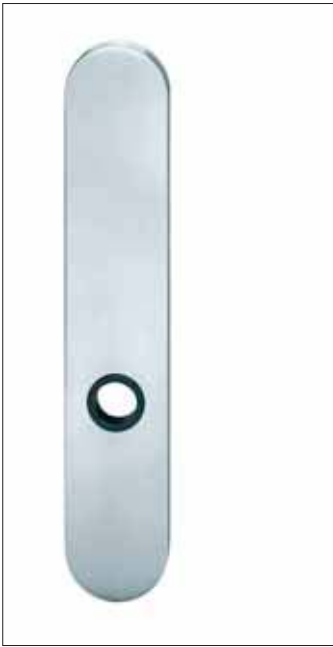


European Cylinder

Passage, Privacy and Deadbolt Plates also available.

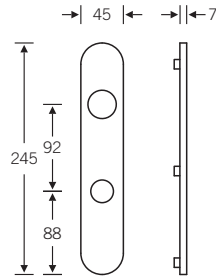
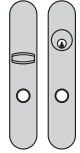


Trim Set EC

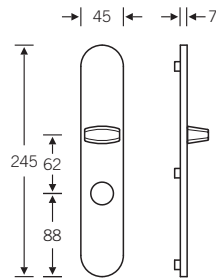


Long Rounded
Escutcheon Plate
9 5/8" (245 mm)

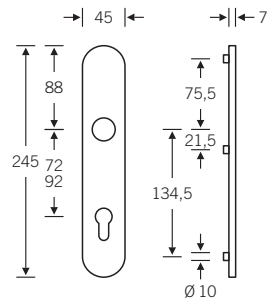
Compatibility is indicated on the function pages with this symbol:



Cylinder Hole

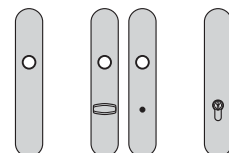


Thumbturn and
Emergency Release
(without Indicator)

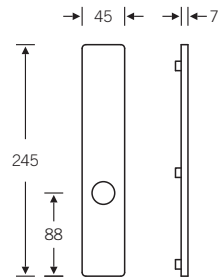
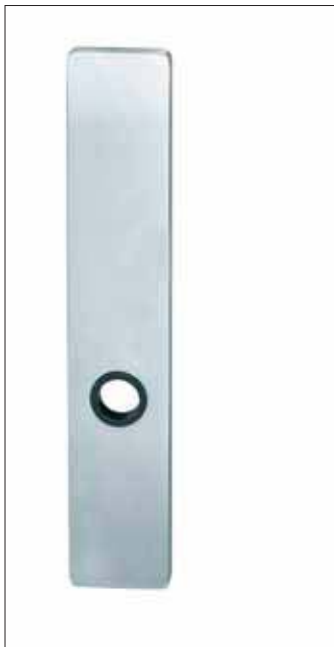


European Cylinder

Passage, Privacy and Deadbolt
Plates also available.

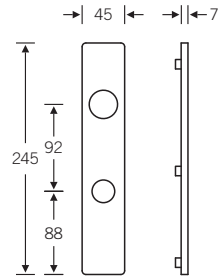
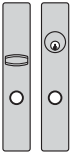


Trim Set ED

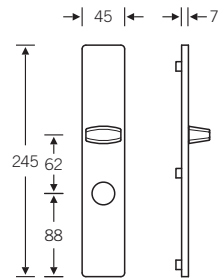


Long Rectangular Escutcheon Plate
9 5/8" (245 mm)

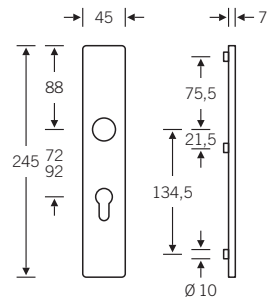
Compatibility is indicated on the function pages with this symbol:



Cylinder Hole

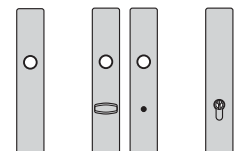


Thumbturn and Emergency Release (without Indicator)



European Cylinder

Passage, Privacy and Deadbolt Plates also available.



Introduction Lock Types

FSB offers nine lock types or series. Three are mortise locks, three are tubular latches, and three are deadbolts.

Please refer to the “Components” section for more technical information regarding a specific locktype.

Lock Types

Mortise Locks

Series SM

Standard Backset Mortise
For Knobs and Levers



Page 30

Series NM

Narrow Backset Mortise
For Knobs and Levers



Page 39

Series EM

European Mortise
For Levers only



Page 47

Tubular Latches

Series HL

Heavy Duty Lever Latch
Passage only



Page 51

Series ML

Medium Duty Lever Latch
Passage or Privacy



Page 52

Series KL

Knob and Lever Latch
Passage only



Page 54

Deadbolts

Series HD

Heavy Duty Privacy Deadbolt



Page 56

Series MD

Medium Duty Privacy Deadbolt



Page 58

Series KD

Keyed Deadbolt



Page 60

Standard Backset Mortise Lock Series SM Functions



Series SM

Standard Backset
Mortise Lock



Federal Specifications

ANSI A 156.13, Series 1000,
Mortise Locks and Latches,
Grade 1

UL and C-UL-US Listing

File No. R 16617

Backsets

- 2½" (64 mm)
- 2¾" (70 mm)
- 3¾" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

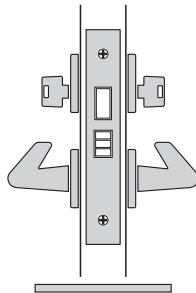
Strike

Curved lip (handed) with
dustbox. Illustration left hand.

Function A

Store Door

ANSI Code F14



Latch bolt by handle either side.
Deadbolt by key either side.

Compatible Trim Sets



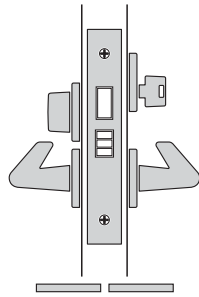
Supplied with
straight spindle

Standard Backset Mortise Lock Series SM Functions

Function B

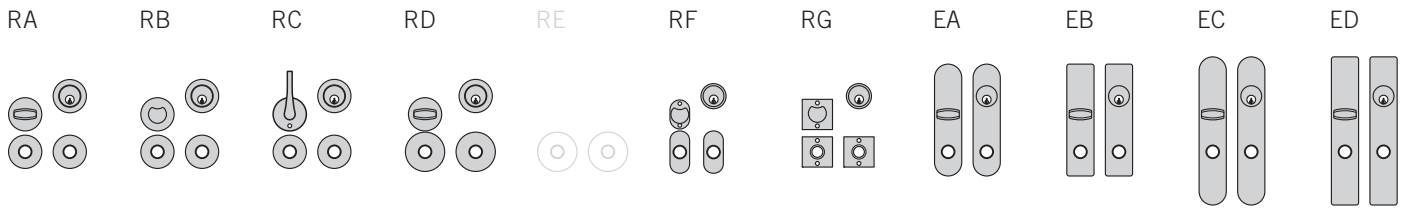
Dormitory

ANSI Code F13



Latch bolt by handle either side.
Deadbolt by key outside and thumbturn inside.
Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle.
Outside handle is rigid when deadbolt is thrown by key or thumbturn.

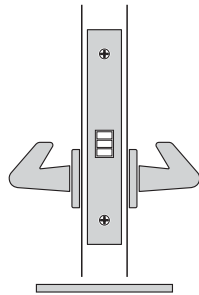
Compatible Trim Sets



Function C

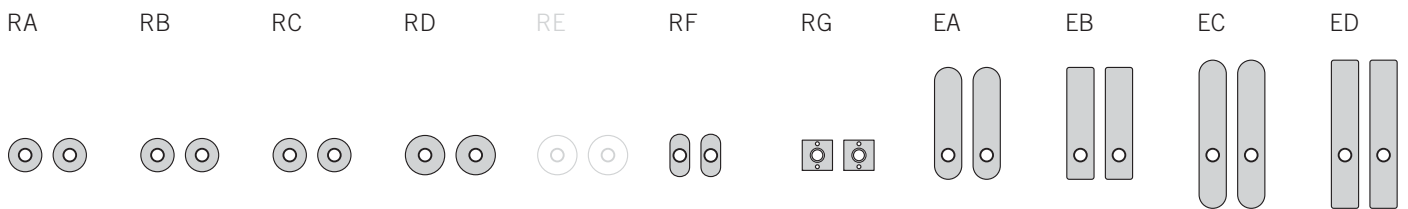
Passage

ANSI Code F01



Latch bolt by handle either side.

Compatible Trim Sets



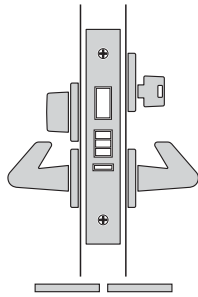
- Supplied with swivel spindle
- Supplied with straight spindle

Standard Backset Mortise Lock Series SM Functions

Function D

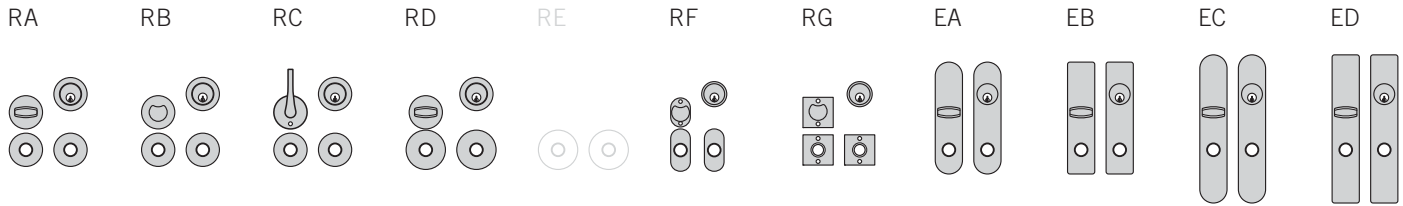
Hotel

ANSI Code F15



Latch bolt by handle inside and guest or master key outside. Outside handle always rigid. Deadbolt by thumbturn inside and service key only outside. Use of inside handle retracts latch and deadbolt simultaneously. Auxiliary latch deadlocks latch bolt.

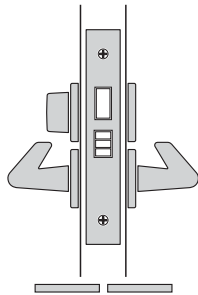
Compatible Trim Sets



Function E

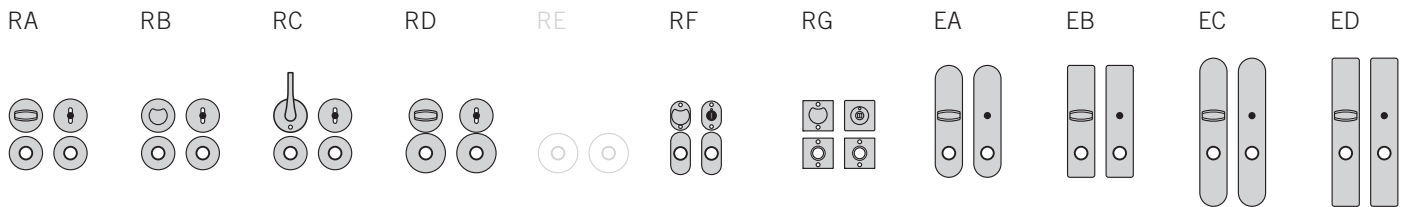
Privacy

ANSI Code F19



Latch bolt by handle either side. Deadbolt by thumbturn inside and emergency key outside. Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle. Outside handle is rigid when deadbolt is thrown by thumbturn.

Compatible Trim Sets



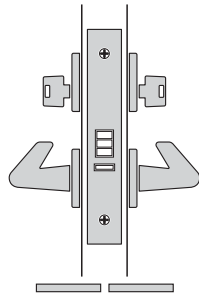
— — Supplied with swivel spindle

Standard Backset Mortise Lock Series SM Functions

Function F

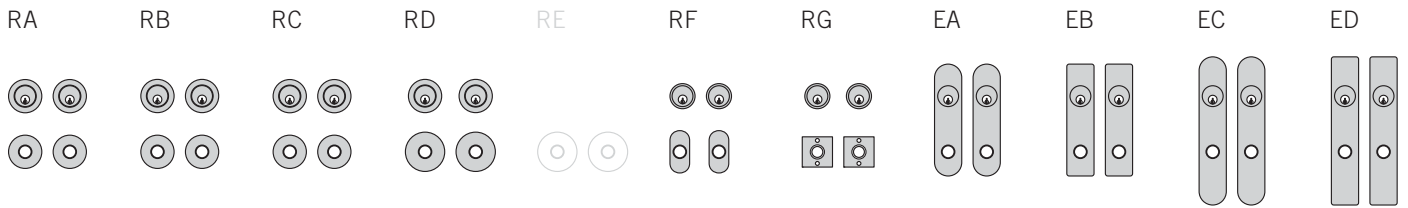
Public Restroom

ANSI Code F09



Latch bolt by handle either side unless outside handle is locked by master key from inside. (cylinders are provided KD). When outside handle is locked, latch bolt by key outside and handle inside. Auxiliary latch deadlocks latch bolt.

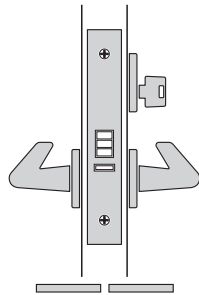
Compatible Trim Sets



Function G

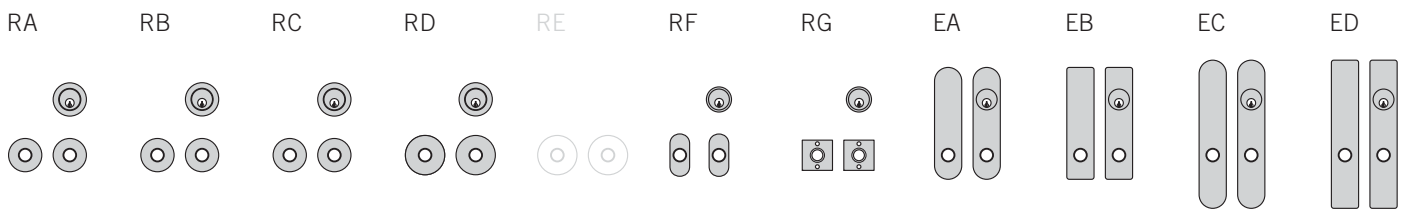
Classroom

ANSI Code F05



Latch bolt by key outside and handle either side unless outside handle is locked by key outside. Auxiliary latch deadlocks latch bolt.

Compatible Trim Sets



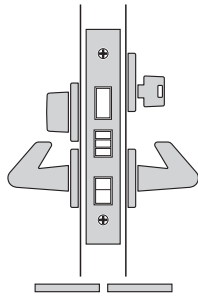
Supplied with swivel spindle

Standard Backset Mortise Lock Series SM Functions

Function H

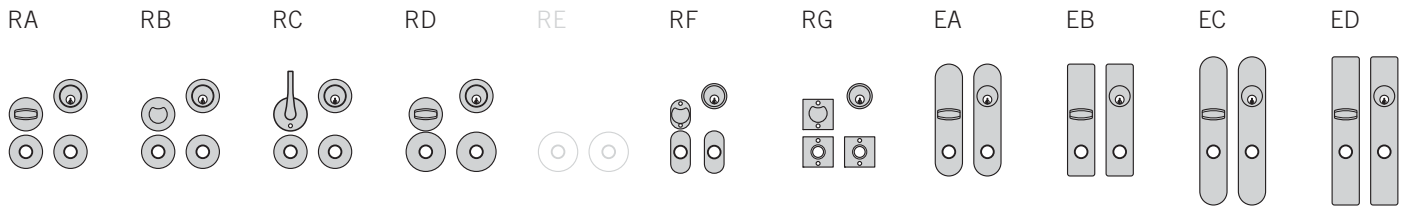
Entrance

ANSI Code F12



Latch bolt by key outside and handle either side unless outside handle is locked by toggle. Deadbolt by key outside and thumbturn inside. Inside handle retracts latch and deadbolt. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

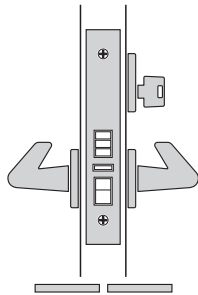
Compatible Trim Sets



Function I

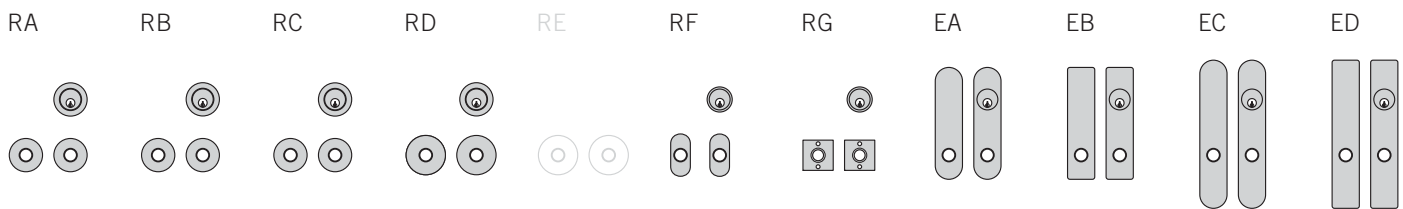
Office

ANSI Code F04



Latch bolt by key outside and handle either side unless outside handle is locked by toggle. Auxiliary latch deadlocks latch bolt.

Compatible Trim Sets



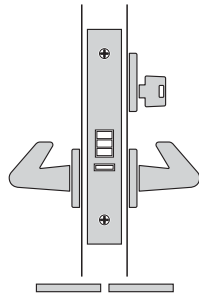
Supplied with swivel spindle

Standard Backset Mortise Lock Series SM Functions

Function J

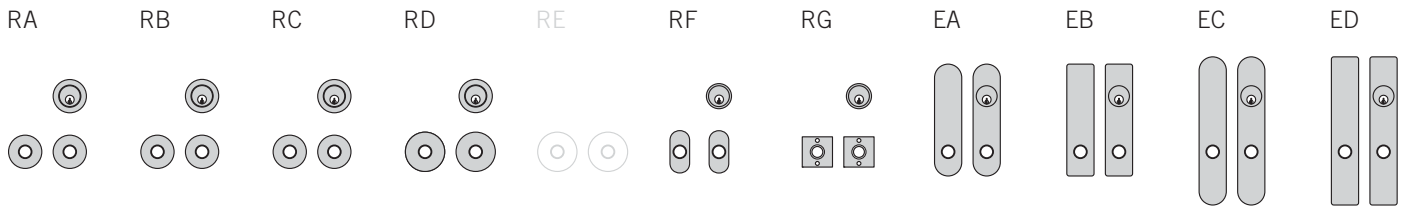
Storeroom

ANSI Code F07



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

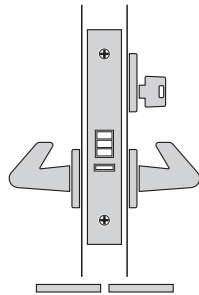
Compatible Trim Sets



Function J(EU) or J(EL)

(EU = fail secure)
(EL = fail safe)

Electrified Storeroom



Solenoid activated mortise lock.

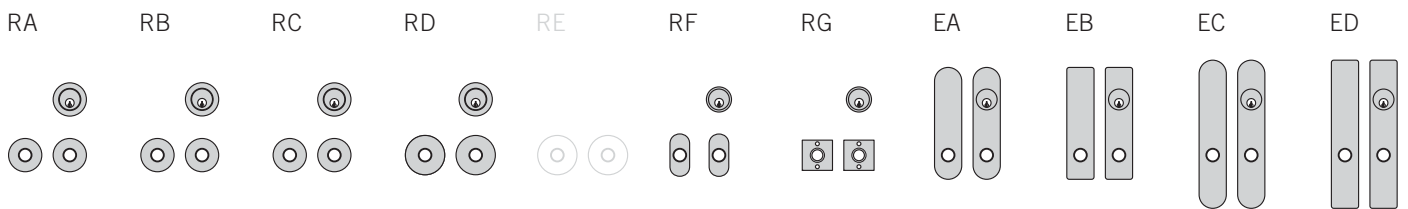
EL function – Power ON, locks outside lever (by solenoid).
EU function – Power OFF, locks outside lever (by solenoid).

lever can only be locked with the solenoid. Inside lever always retracts latch bolt. Auxiliary latch deadlocks latch bolt.

Key outside retracts latch bolt, when outside lever is locked. Outside lever retracts latch bolt except when locked. Outside

Monitoring Options
AE = Authorized Egress
LM = Latch Bolt Monitoring
SM = Security Monitoring

Compatible Trim Sets



Example:

- 1.
- 2.
- 3.
- 4.
5. Extra information required
- 6.
- 7.
- 8.

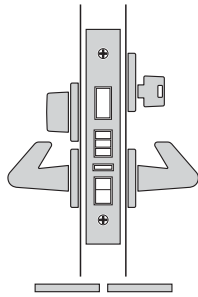
1147-ST-6204-SM-J(EU) (or EL), 12V (or 24V), AC (or DC) - 2 3/4" - RHR - 1 3/4"

Standard Backset Mortise Lock Series SM Functions

Function K

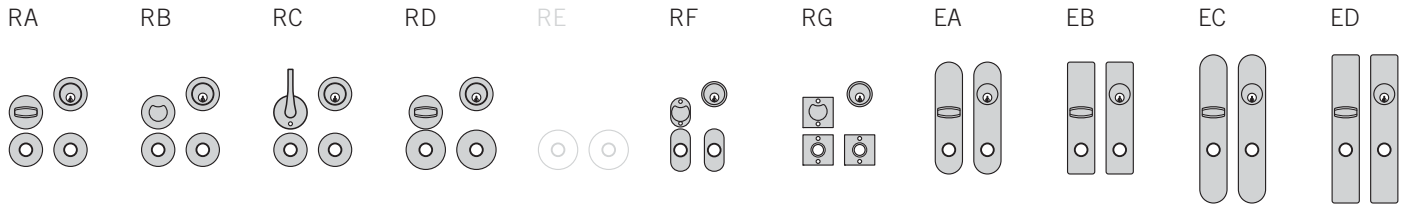
Apartment

ANSI Code F20



Same as function H with the following addition:
Auxiliary latch deadlocks latch bolt and prevents manipulation of locked toggle. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

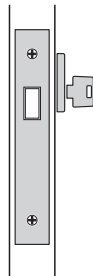
Compatible Trim Sets



Function M

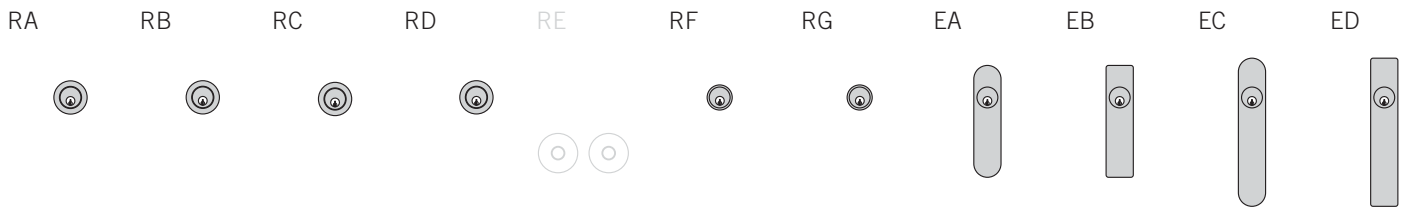
Single Key Deadlock


ANSI Code F18



Deadbolt by key outside.
No operation inside.

Compatible Trim Sets



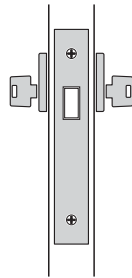
 Supplied with swivel spindle

Standard Backset Mortise Lock Series SM Functions

Function N

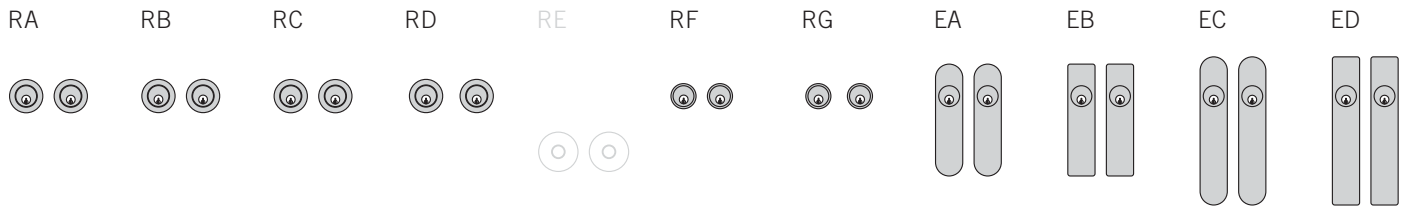
Key × Key Deadlock

ANSI Code F16



Deadbolt by key either side.

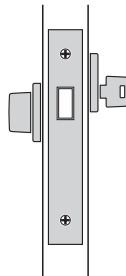
Compatible Trim Sets



Function P

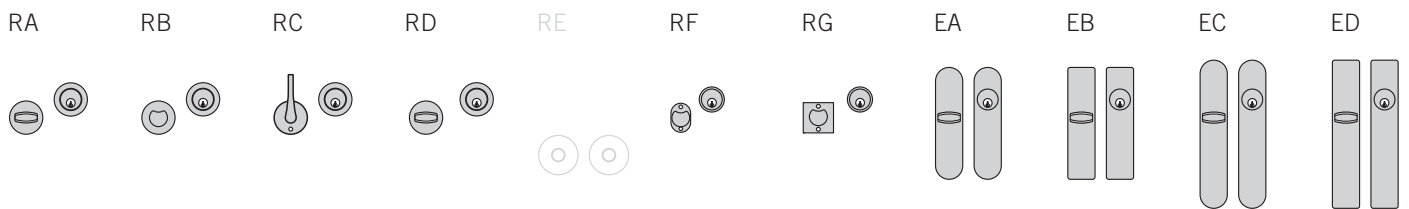
Key × Thumbturn
Deadlock

ANSI Code F17



Deadbolt by key outside and
thumbturn inside.

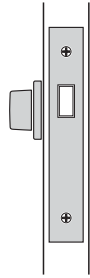
Compatible Trim Sets



Standard Backset Mortise Lock Series SM Functions

Function R

Thumbturn Deadlock



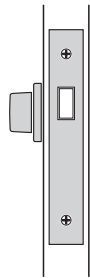
Deadbolt by thumbturn inside.
No operation outside.

Compatible Trim Sets



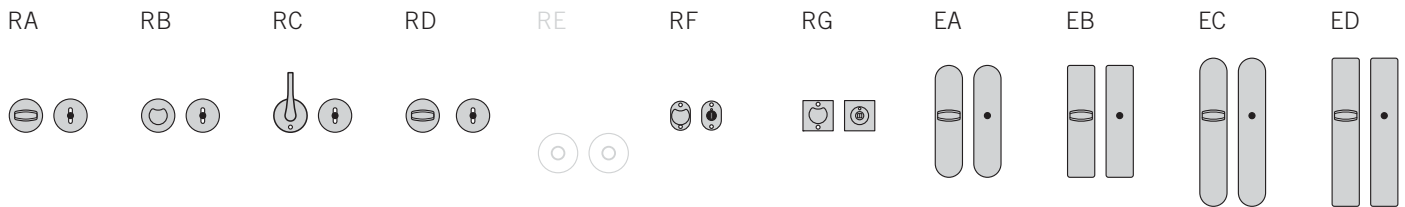
Function S

Thumbturn Deadlock
with Emergency
Release



Deadbolt by thumbturn inside
and emergency release outside.

Compatible Trim Sets



Narrow Backset Mortise Lock Series NM Functions



Series NM

Narrow Backset
Mortise Lock

Federal Specifications
ANSI A 156.13, Series 1000,
Mortise Locks and Latches

UL and C-UL-US Listing
Applied for

Backsets
1½" (38 mm)*
1¾" (45 mm)*
2" (51 mm)
2¼" (57 mm)

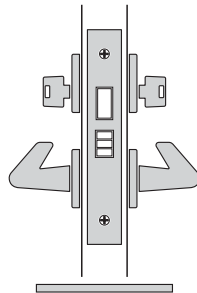
Strike
Curved lip (handed) with
dustbox. Illustration left hand.

* Limited trim options available

Function A

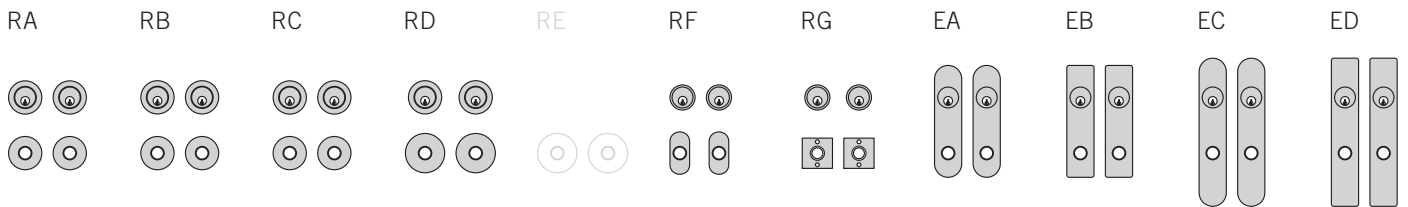
Store Door

ANSI Code F14



Latch bolt by handle either side.
Deadbolt by key either side.

Compatible Trim Sets



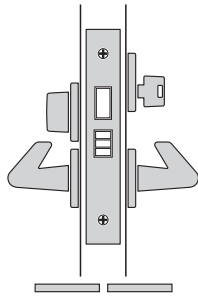
Supplied with
straight spindle

Narrow Backset Mortise Lock Series NM Functions

Function B

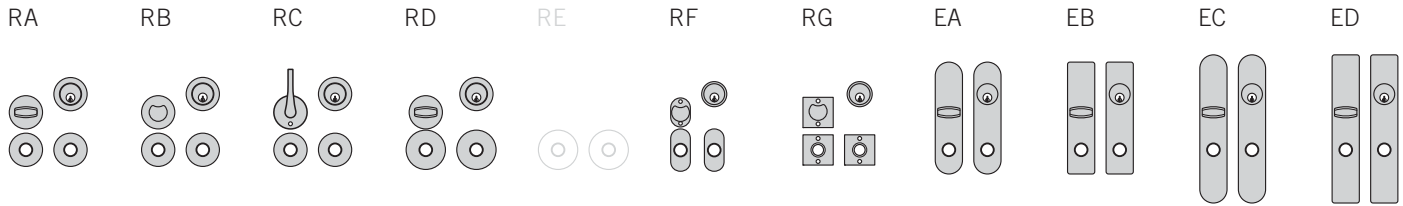
Dormitory

ANSI Code F13



Latch bolt by handle either side.
Deadbolt by key outside and thumbturn inside. Inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

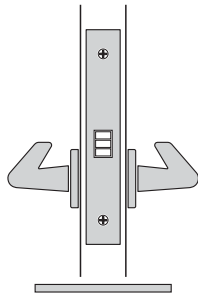
Compatible Trim Sets



Function C

Passage



ANSI Code F01



Latch bolt by handle either side.

Compatible Trim Sets



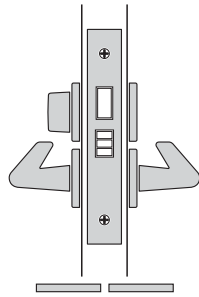
-  Supplied with swivel spindle
-  Supplied with straight spindle

Narrow Backset Mortise Lock Series NM Functions

Function E

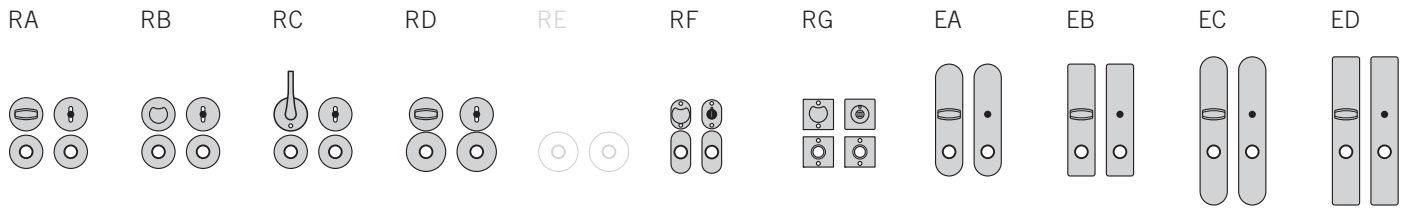
Privacy

ANSI Code F19



Latch bolt by handle either side.
Deadbolt by thumbturn inside and emergency key outside.
Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle. Outside handle is rigid when deadbolt is thrown by thumbturn.

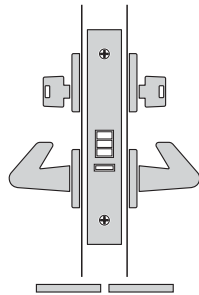
Compatible Trim Sets



Function F

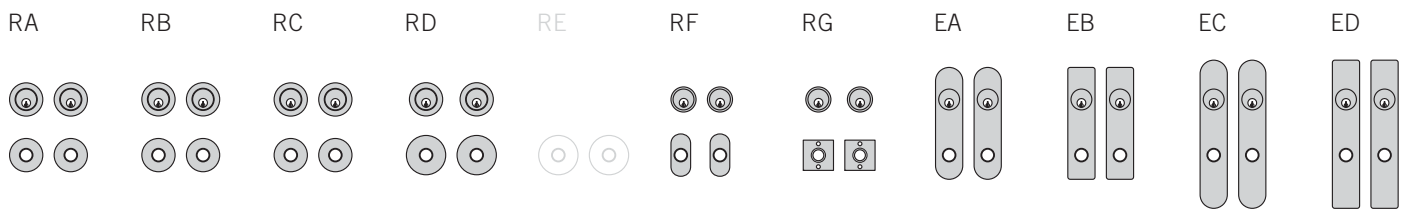
Public Restroom

ANSI Code F09



Latch bolt by handle either side unless outside handle is locked by master key from inside (cylinders are provided KD).
When outside handle is locked, latch bolt by key outside and handle inside.
Auxiliary latch deadlocks latch bolt.

Compatible Trim Sets



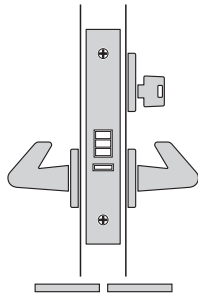
— — Supplied with swivel spindle

Narrow Backset Mortise Lock Series NM Functions

Function G

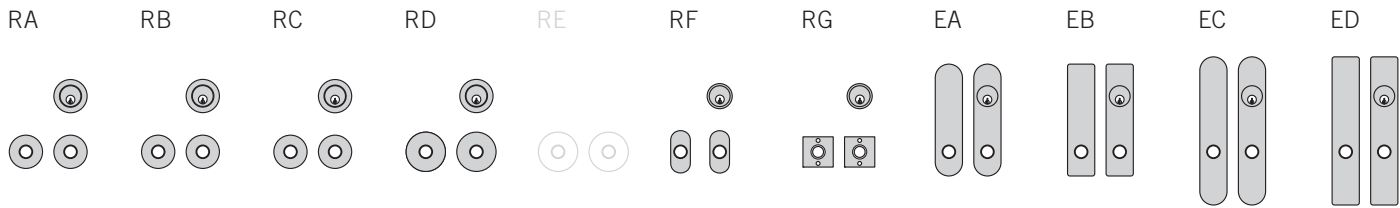
Classroom

ANSI Code F05



Latch bolt by key outside and handle either side unless outside handle is locked by key outside. Auxiliary latch deadlocks latch bolt.

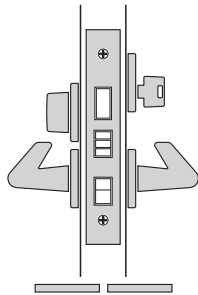
Compatible Trim Sets



Function H

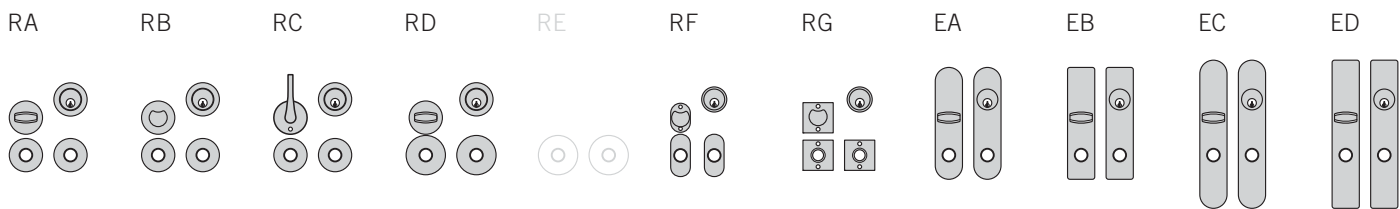
Entrance

ANSI Code F12



Latch bolt by key outside and handle either side unless outside handle is locked by toggle. Deadbolt by key outside and thumbturn inside. Inside handle retracts latch and deadbolt. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

Compatible Trim Sets



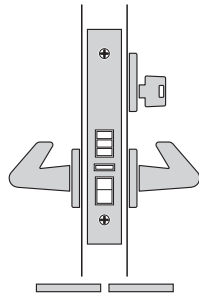
Supplied with swivel spindle

Narrow Backset Mortise Lock Series NM Functions

Function I

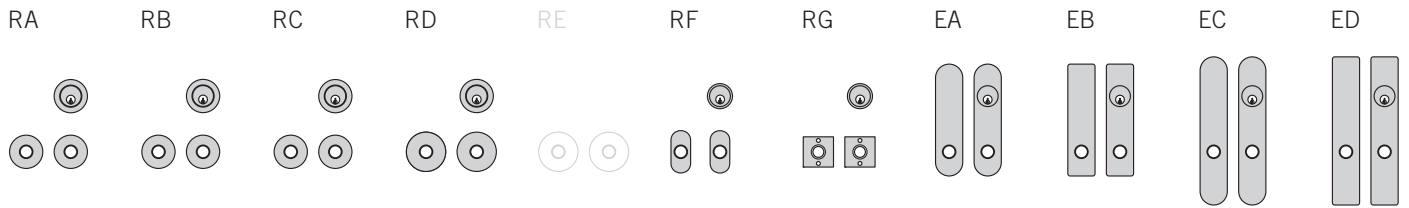
Office

ANSI Code F04



Latch bolt by key outside and handle either side unless outside handle is locked by toggle. Auxiliary latch deadlocks latch bolt.

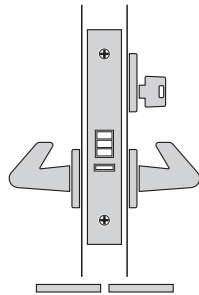
Compatible Trim Sets



Function J

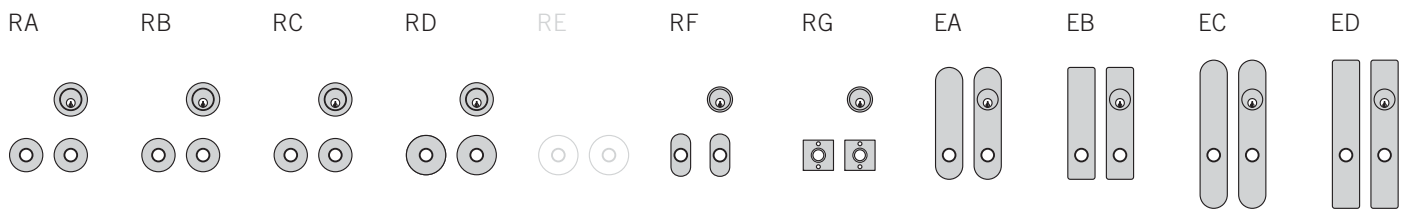
Storeroom

ANSI Code F07



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

Compatible Trim Sets



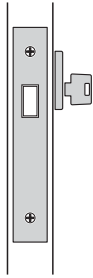
— — Supplied with swivel spindle

Narrow Backset Mortise Lock Series NM Functions

Function M

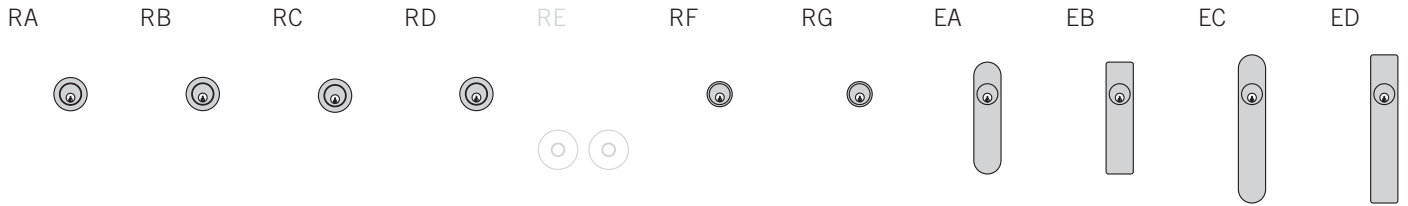
Single Key Deadlock

ANSI Code F18



Deadbolt by key outside.
No operation inside.

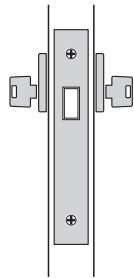
Compatible Trim Sets



Function N

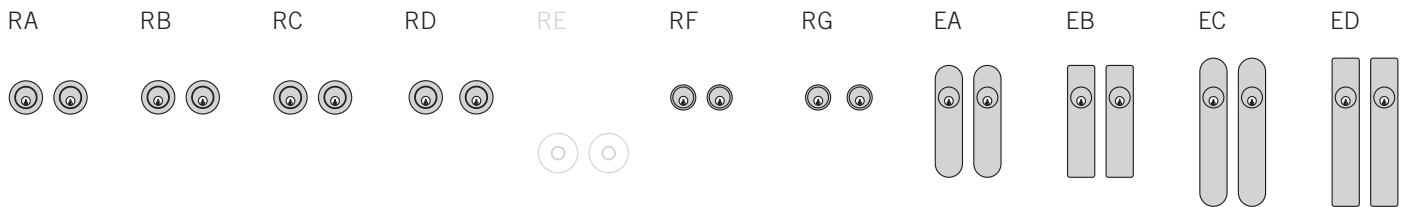
Key x Key Deadlock

ANSI Code F16



Deadbolt by key either side.

Compatible Trim Sets

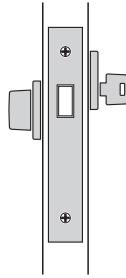


Narrow Backset Mortise Lock Series NM Functions

Function P

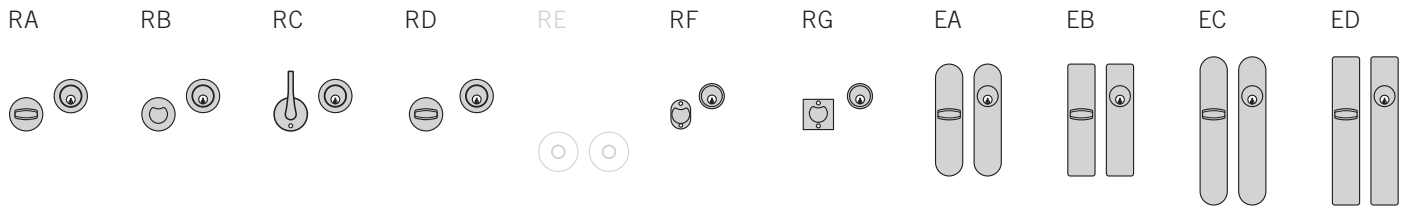
Key × Thumbturn
Deadlock

ANSI Code F17



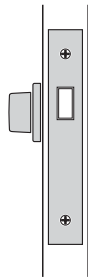
Deadbolt by key outside and thumbturn inside.

Compatible Trim Sets



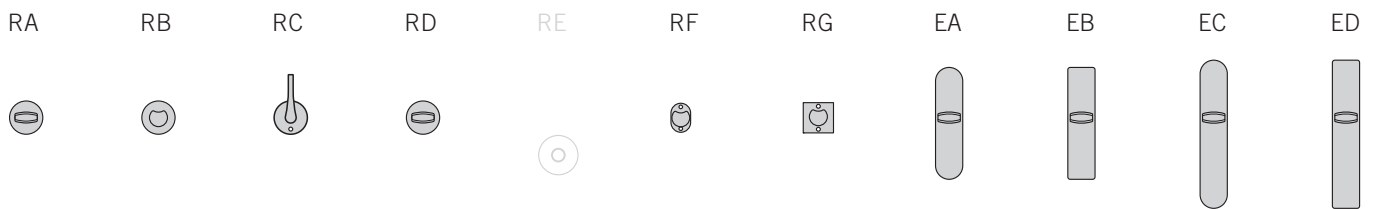
Function R

Thumbturn Deadlock



Deadbolt by thumbturn inside.
No operation outside.

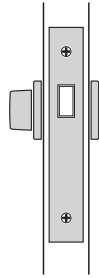
Compatible Trim Sets



Narrow Backset Mortise Lock Series NM Functions

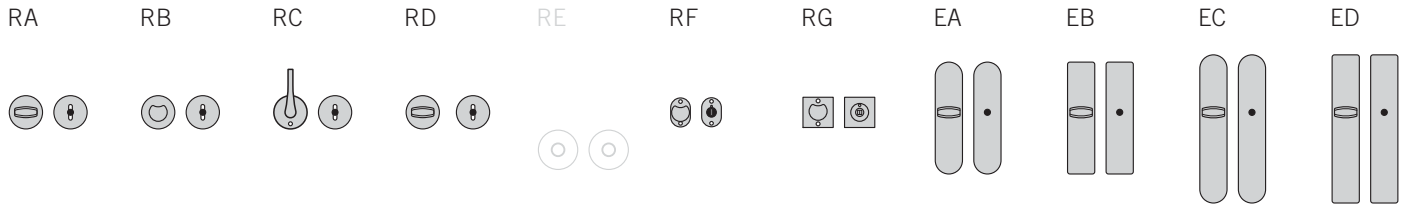
Function S

Thumbturn Deadlock
with Emergency
Release



Deadbolt by thumbturn inside
and emergency release outside.

Compatible Trim Sets



European Mortise Lock Series EM Functions



Series EM

European Mortise Lock

Specifications

DIN Grade 2 Mortise Lock
field reversible

PZ = 2 13/16" (72 mm) CTC

WC = 3 1/16" (78 mm) CTC

Backset

2 3/16" (55 mm) only

Strike

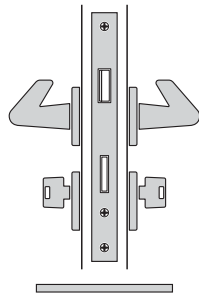
Curved lip (function specific)
without dustbox.

Series EM is not available with
emergency egress or UL rating.



Function A

Store Door

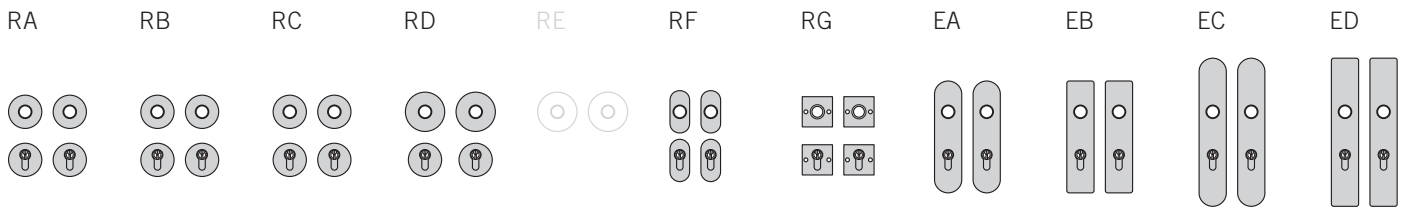



Latch bolt by cylinder and handle
either side unless deadbolt is in
locked position.
Deadbolt by key either side.

Activated with key x key
European profile cylinder.

Lever to thumbturn center-to-
center: 2 13/16" (72 mm).

Compatible Trim Sets

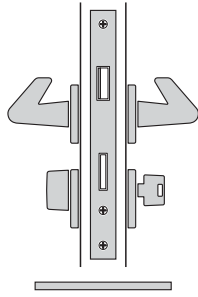


 Supplied with
straight spindle

European Mortise Lock Series EM Functions

Function B

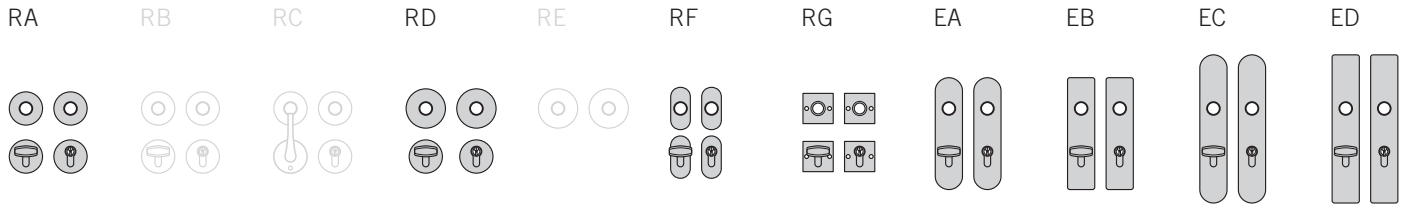
Dormitory



Latch bolt by cylinder, turnpiece or handle either side unless deadbolt is in locked position. Deadbolt by key outside and turnpiece inside. Activated with key x turnpiece European profile cylinder.

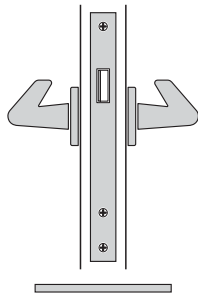
Lever to thumbturn center-to-center: 2¹³/₁₆" (72 mm).

Compatible Trim Sets



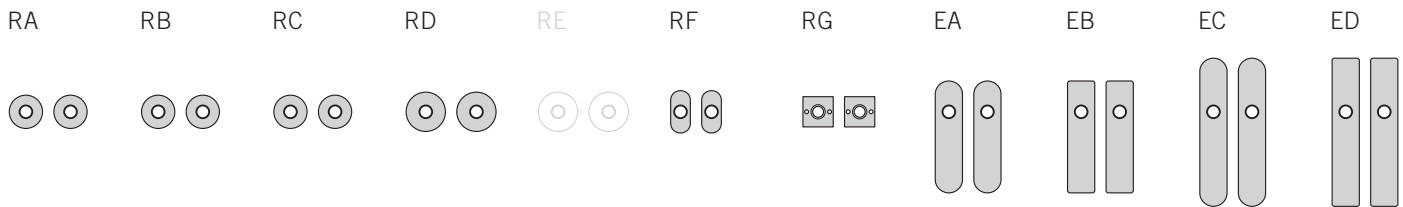
Function C


Passage



Latch bolt by handle either side.

Compatible Trim Sets

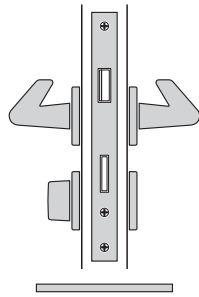


 Supplied with straight spindle

European Mortise Lock Series EM Functions

Function E

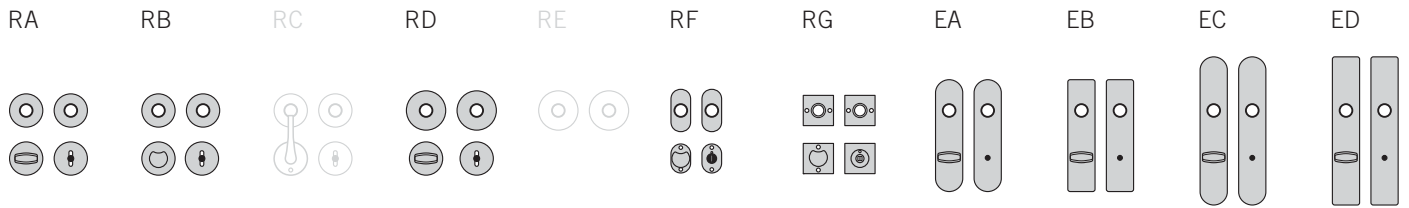
Privacy



Latch bolt by handle either side unless deadbolt is in locked position. Deadbolt by emergency release outside and thumbturn inside connected by 8 mm spindle on the square.

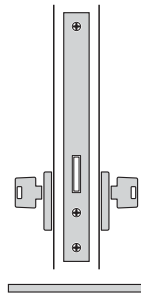
Lever to thumbturn center-to-center: 3 1/16" (78 mm).

Compatible Trim Sets



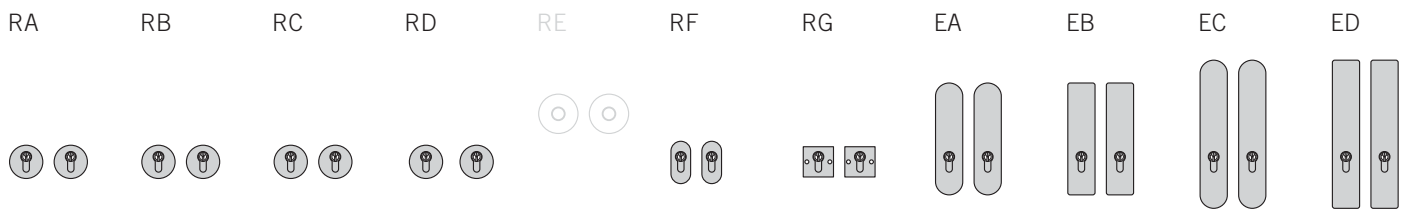
Function N

Key x Key Deadbolt



Deadbolt by key either side.

Compatible Trim Sets



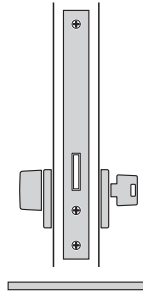
Supplied with straight spindle

European Mortise Lock Series EM Functions

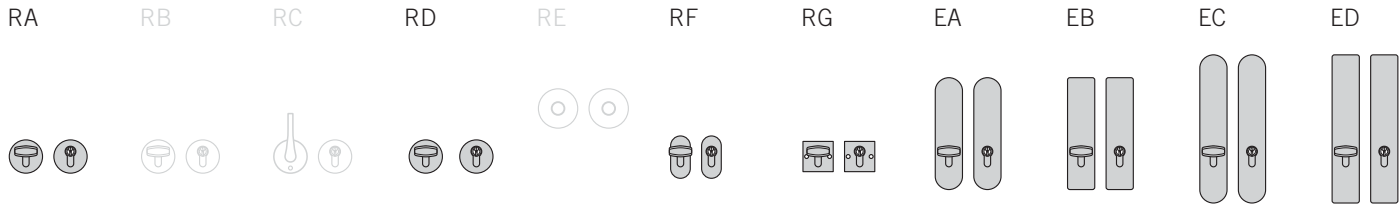
Function P


Key × Thumbturn
Deadbolt

Deadbolt by key outside and
thumbturn inside.



Compatible Trim Sets



 Supplied with
straight spindle

Heavy Duty Lever Latch Series HL Function



Series HL

Heavy Duty Lever Latch
Passage only



Specifications

Field reversible with adjustable
bevel (1/8" over 2")

UL and C-UL Listing

File No. R 16617

Backsets

2 3/8" (60 mm)
2 3/4" (70 mm)

Strike

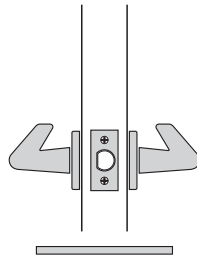
Universal curved lip T-Strike
with dustbox.

Faceplate width 1 1/8" (28.5 mm)
for minimum 1 3/4" (44.5 mm)
door thickness.



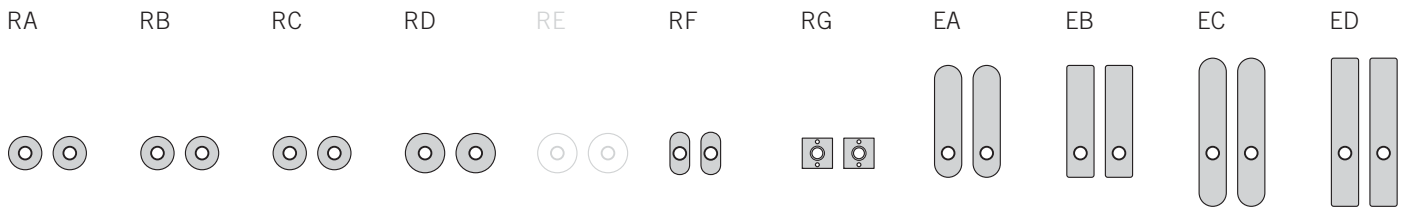
Function C

Passage



Latch bolt by handle either side.

Compatible Trim Sets



Supplied with
straight spindle

Medium Duty Lever Latch Series ML Functions



Series ML

Medium Duty Lever Latch
Passage or Privacy

Specifications
Field reversible

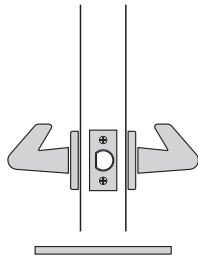
Backsets
2 3/8" (60 mm)
2 3/4" (70 mm)

Strike
Universal curved lip T-Strike
with dustbox.

Faceplate width 1" (25.4 mm)
for minimum 1 3/8" (35 mm) door
thickness.

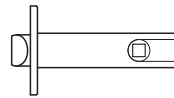
Function C

Passage

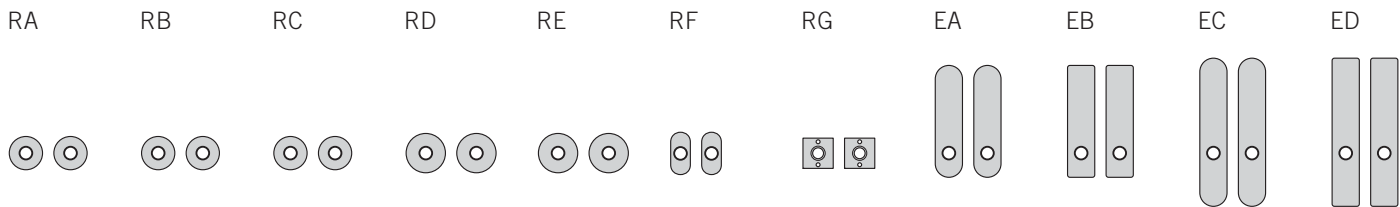


Latch bolt by handle either side.

Supplied with 8 mm square hub
as shown.



Compatible Trim Sets

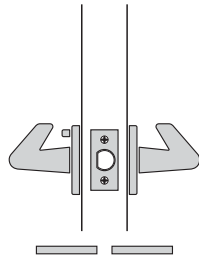


— Supplied with
straight spindle

Medium Duty Lever Latch Series ML Functions

Function E

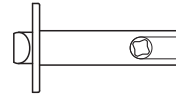
Privacy



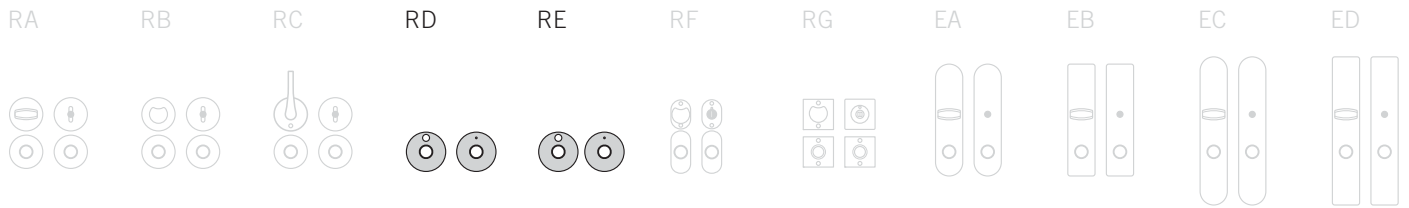
Latch bolt by handle either side. Outside handle locked by push button inside. Inside handle retracts latch bolt and unlocks outside handle.



Supplied with 8 mm clover hub as shown.




Compatible Trim Sets



Note

Trim Set RD is limited to 1 3/4" – 2 1/4" thick doors only.

Trim Set RE is limited to 1 3/8" – 2" thick doors only.

 Supplied with swivel spindle

Knob and Lever Latch Series KL Functions



Series KL

Knob and Lever Latch
Passage only

Specifications
Field reversible

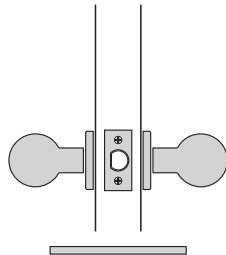
Backsets
2 3/8" (60 mm)
2 3/4" (70 mm)

Strike
Universal curved lip T-Strike
with dustbox.

Faceplate width 1" (25.4 mm)

Function C

Passage Latch



Latch bolt by knob either side.

For use with knobs on non-drilled and pre-drilled doors.

Compatible Trim Sets

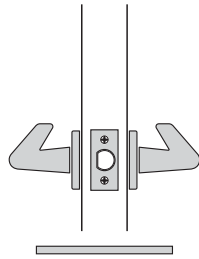


Supplied with straight spindle

Knob and Lever Latch Series KL Functions

Function C

Passage Latch

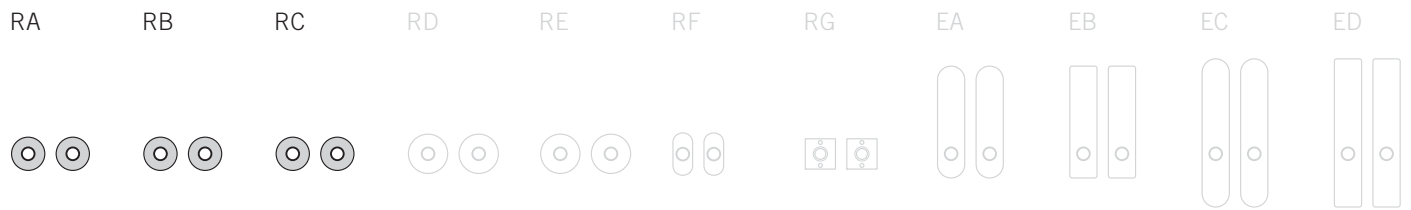


Latch bolt by handle either side.

Not for use on 2 1/8" pre-bored doors.

Supplied with 2 3/16" (55 mm) sprung-roses for levers.

Compatible Trim Sets



Supplied with straight spindle

Heavy Duty Privacy Deadbolt Series HD Functions



Series HD

Heavy Duty Privacy Deadbolt

Specifications

Full bolt extension achieved with 90° thumbturn rotation

Backsets

2 3/8" (60 mm)

2 3/4" (70 mm)

Strike

Universal deadbolt strike with dustbox.

Faceplate width 1 1/8" (28.5 mm)



Function R

Mortise Bolt with
Thumbturn



Deadbolt by thumbturn inside.
No operation outside.

Compatible Trim Sets



Heavy Duty Privacy Deadbolt Series HD Functions

Function S

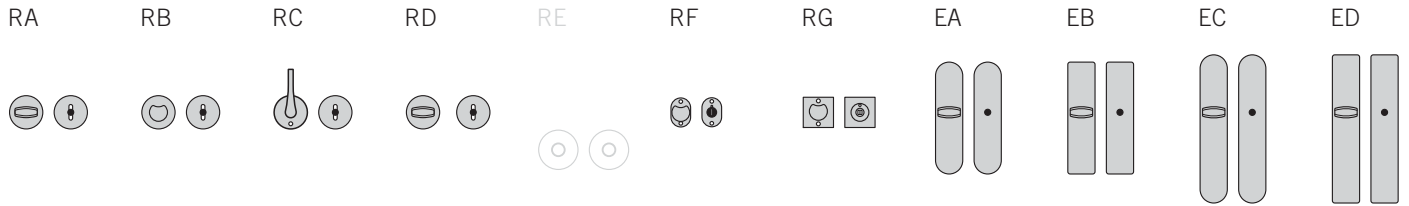
Mortise Bolt with
Thumbturn and
Emergency Release



Deadbolt by thumbturn inside
and emergency release outside.

Can be used with any FSB North
American thumbturn and emer-
gency set, see section "Lever,
Knob and Trim Designs".

Compatible Trim Sets



Medium Duty Privacy Deadbolt Series MD Functions



Series MD

Medium Duty Privacy Deadbolt

Specifications

1" (25.4 mm) Deadbolt throw

Backsets

2 3/8" (60 mm)

2 3/4" (70 mm)

Strike

Universal deadbolt strike with dustbox.

Faceplate width 1" (25.4 mm)

Function R

Mortise Bolt with
Thumbturn



Deadbolt by thumbturn inside.
No operation outside.

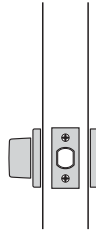
Compatible Trim Sets



Medium Duty Privacy Deadbolt Series MD Functions

Function S

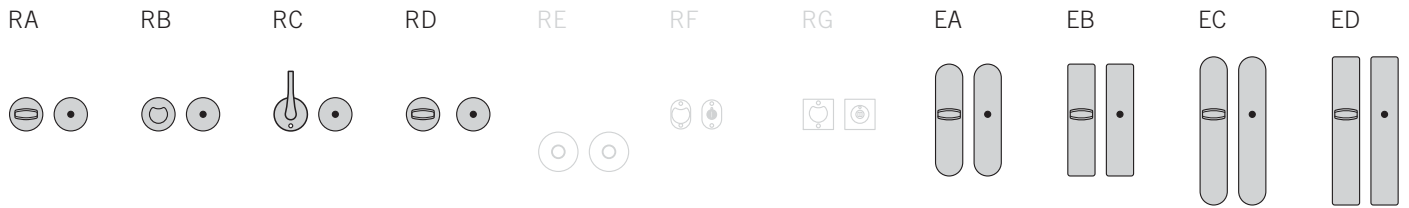
Mortise Bolt with
Thumbturn and
Emergency Release



Deadbolt by thumbturn inside
and emergency release outside.

Only to be used with FSB
thumbturn and emergency
release without indicator, see
section "Lever, Knob and Trim
Designs".

Compatible Trim Sets



Keyed Deadbolt Series KD Functions



Series KD

Keyed Deadbolt

Specifications

Faceplate width 1" (25.4 mm)

Backsets

2 3/8" (60 mm)

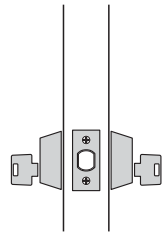
2 3/4" (70 mm)

Strike

Universal deadbolt strike with dustbox.

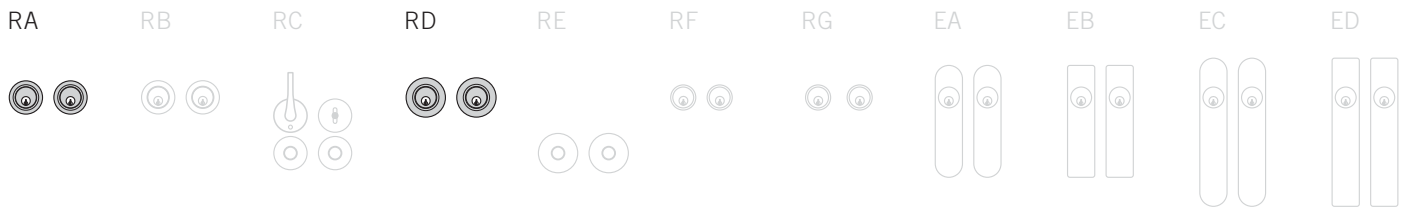
Function N

Key x Key Deadbolt



Deadbolt by key either side.

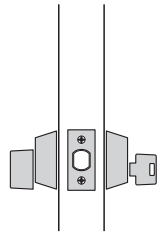
Compatible Trim Sets



Keyed Deadbolt Series KD Functions

Function P

Key × Thumbturn
Deadbolt



Deadbolt by key outside and thumbturn inside.

Compatible Trim Sets

RA



RB



RC



RD



RE



RF



RG



EA



EB



EC



ED



Dummy Mounts Introduction

In this section, we illustrate a number of solutions for securing handles to doors that do not require operating latches and locks.

FSB continually strives to provide the most advanced technical solutions available for the widest variety of door conditions. We have created solutions not commonly seen, such as our active mortise dummy case, which provides both an enduring mechanical solution and the appropriate design aesthetic.

FSB has simplified specifying fixed handles by creating sets that are designed to fix the lever on an un-prepped door. Simply choose between a single handle or two handles mounted back-to-back, and which trim set is desired. It's that simple.

Dummy Mounts Introduction

1) Select applicable trim set from pages 64–67.

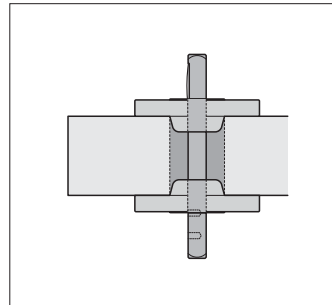
1147 - RA - 6204 - DS - Y - 2 3/4" - RHR - 1 3/4"

Selected Trim Set

RA RB RC RD RE RF



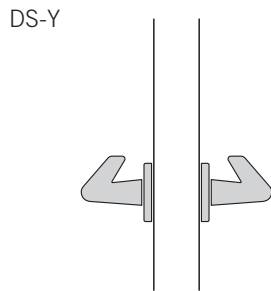
On the following pages, the specific dummy mount is shown in detail for each trim set chosen along with a description of the parts included in that set.



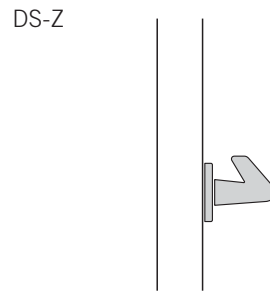
In addition, an illustration and description of the dummy set installed provides the user with a clear understanding of the specific set.

2) Select single or double fixed levers.

1147 - RA - 6204 - DS - Y - 2 3/4" - RHR - 1 3/4"



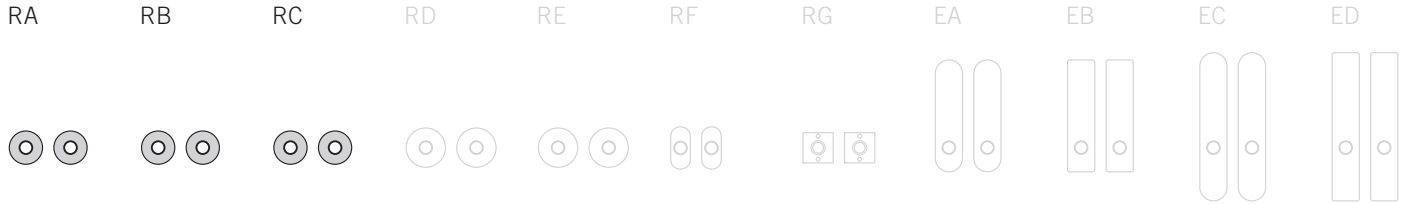
Fixed Double Dummy Mounts



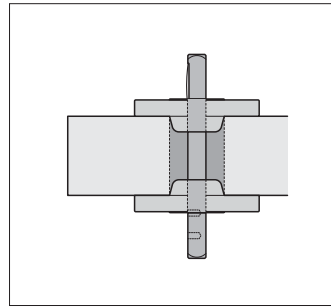
Fixed Single Dummy Mounts

Fixed Back To Back Dummy Mounts DS-Y

Selected Trim Set

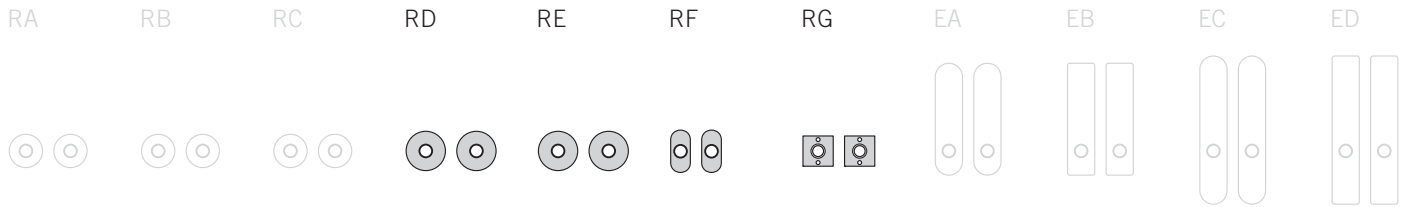


Set includes two dummy mount subroses, one pair of 2 3/16" (55 mm) roses, one straight spindle and two levers.

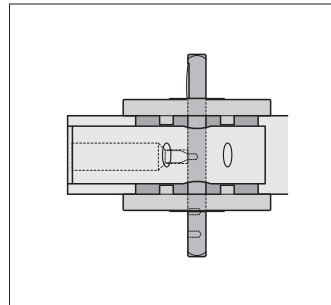


Through bolted mounting with face preparation only, for non pre-drilled doors.

Selected Trim Set



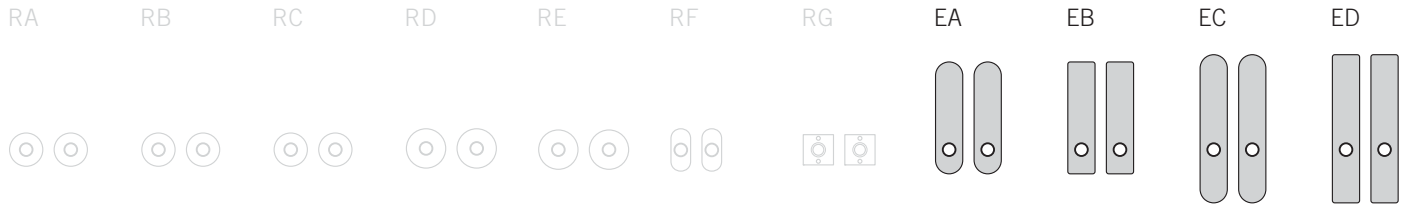
Set includes one borelock, one straight spindle, one pair of 2 9/16" (65 mm), narrow or square roses and two levers. Supplied with blank faceplate to cover edge borehole.



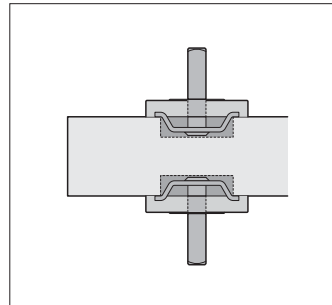
Through bolted mounting with 1" Ø edge borehole.

Fixed Back To Back Dummy Mounts DS-Y

Selected Trim Set



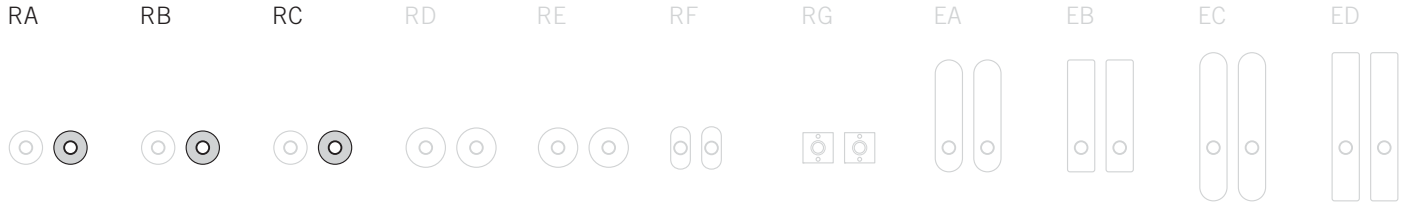
Set includes two dummy mount spindles, two lever only back-plates and two levers.



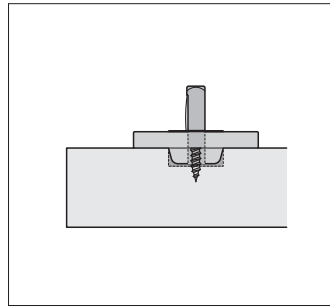
Two separate dummy mount spindles assembled with through bolted sub plates. Compatible with all 45 mm wide FSB back-plates with concealed screws.

Fixed Single Dummy Mounts DS-Z

Selected Trim Set

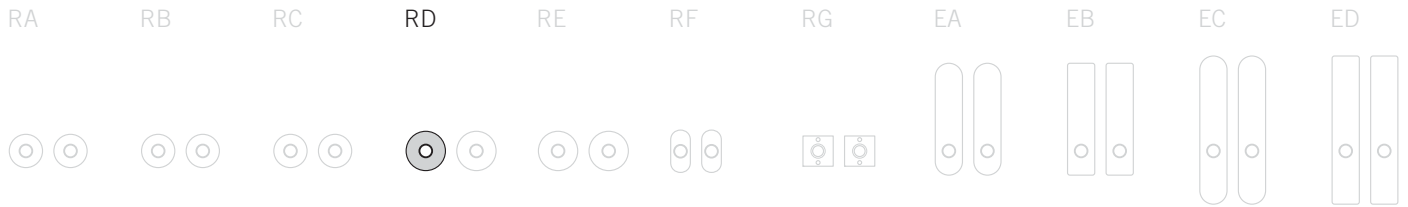


Set includes one dummy mount, one 2 3/16" (55 mm) rose, and one lever.

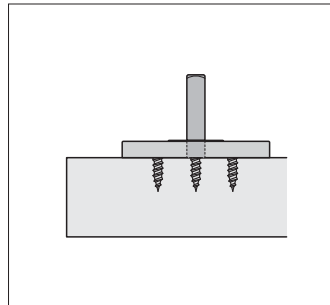


Surface mounted subrose.

Selected Trim Set



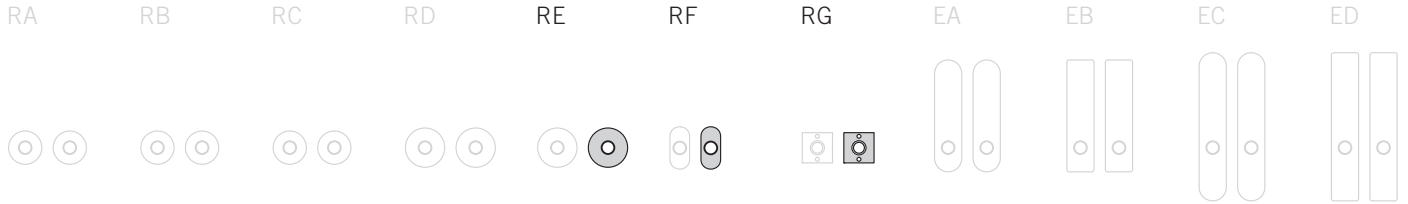
Set includes one dummy mount, one 2 9/16" (65 mm) rose by 1/4" (7 mm) and one lever.



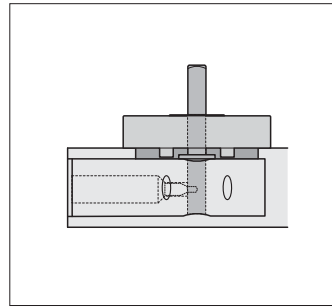
Surface mounted subrose.

Fixed Single Dummy Mounts DS-Z

Selected Trim Set



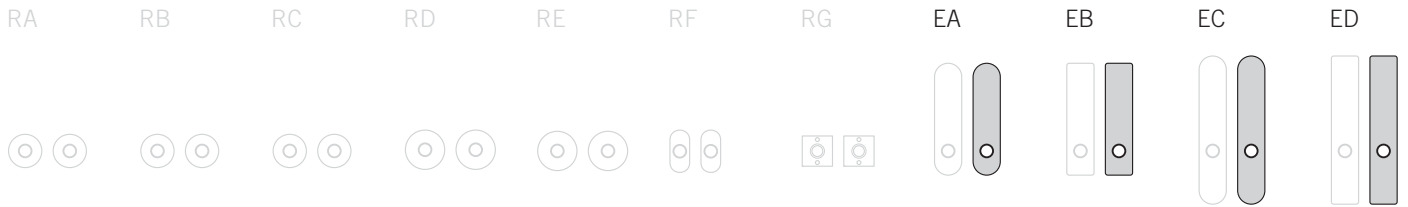
Set includes one borelock, one half spindle, one $2\frac{9}{16}$ " (65 mm) \times $\frac{9}{16}$ " (14 mm), narrow or square rose and one lever. Supplied with blank faceplate to cover edge borehole.



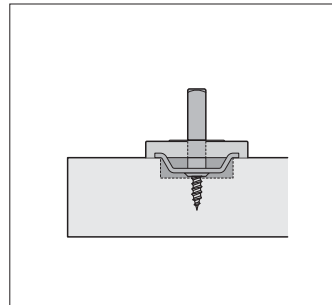
Single sided with 1" \varnothing edge borehole.

For 1 $\frac{3}{8}$ " - 2" DT

Selected Trim Set



Set includes one dummy spindle, one backplate and one lever.



Single dummy mount spindle assembled with surface-mounted sub plate. Compatible with all 45 mm wide FSB backplates with concealed screws.

Active Dummy Mortise Case AD



Series AD

Federal Specifications

ANSI A 156.13, Series 1000,
Grade 1, Mortise.

All Backsets

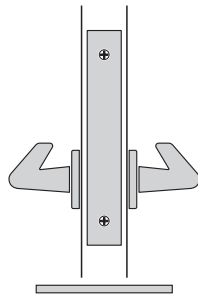
- 1¼" (32 mm)
- 1½" (38 mm)
- 1¾" (44 mm)
- 2" (51 mm)
- 2¼" (57 mm)
- 2½" (64 mm)
- 2¾" (70 mm)
- 3¾" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

1) Select applicable trim set
from pages 64–67.

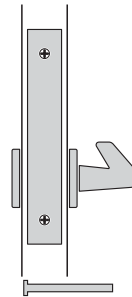
1147 - RA - 6204 - AD - Y - 2¾" - RHR - 1¾"

2) Select single or double fixed
levers.

AD-Y



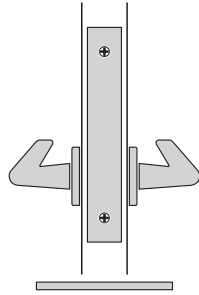
AD-Z



Active Dummy Mortise Case AD

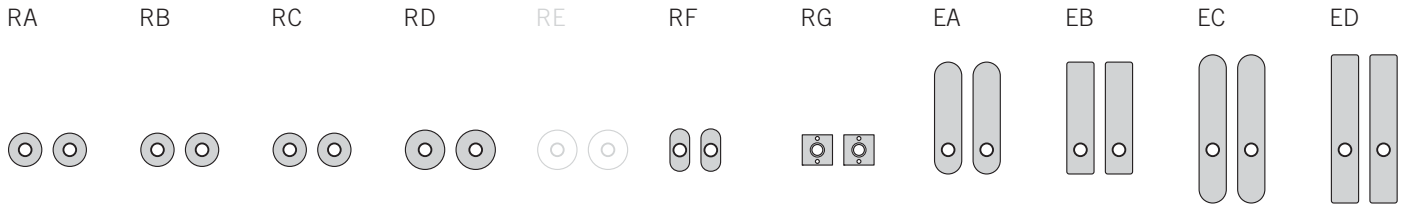
Dummy Set AD-Y

(Double Lever)
Active Dummy Mortise Case



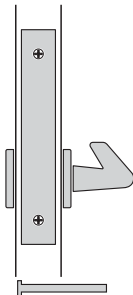
Operative dummy handle either side.

Selected Trim Set



Dummy Set AD-Z

(Single Lever)
Active Dummy Mortise Case



Operative dummy handle single side only with blind cover on opposing side.

Selected Trim Set



Operative dummy handle either side. Case front includes integrated strike and dust box to be utilized on inactive leaf.

Dummy Set AD-Y (AS)

(Double Lever)
Active Dummy Mortise Case Prepared as Strike

Strike regularly supplied with curved lip.

For pairs of doors

(ANSI Standard A 115.1)



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