

Sliding Door
Hardware

North American Manual

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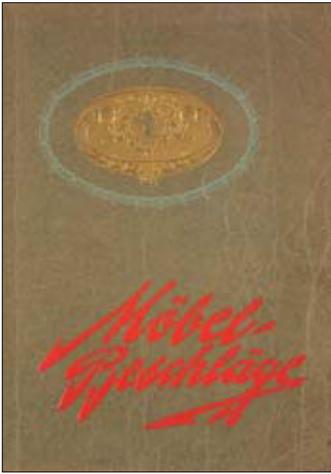
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Sliding Door Hardware

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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.

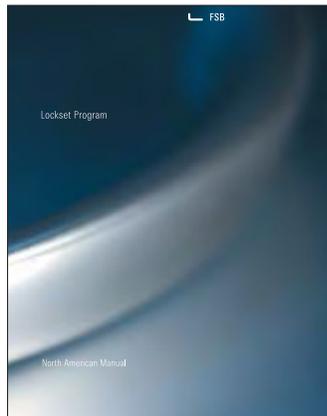
For the past two decades, FSB has continued to work with Architects and Designers to create handles – each with their own personality.



2000s

FSB introduced 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.



2008

FSB dramatically increased its product range for North America, and issued expanded product specific catalogs of more than 500 pages.

Each catalog section focuses on one specific group of products based on applications. To request a manual, or view more detailed information, go to www.fsbna.com.

New Products



Hinges

FSB introduces a new line of hinges unique in their construction, finish and performance.

FSB stainless steel two-knuckle and three-knuckle hinges utilize carbon steel and oil-impregnated sintered bronze bearings to minimize friction, thereby reducing wear and maintenance. FSB stainless steel hinges may be supplied to simulate nearly all of our standard finishes, and are supplied with low-profile button-tip finials, giving the protruding hinge barrel an elegant, clean look.



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.

The demand for sliding doors has spread to commercial applications, where owners are looking to save valuable square footage. In response to this need, FSB has launched the first commercial grade sliding door lock with emergency egress.



Flush Rose

Reinforcing both FSB's minimal and modern design aesthetic, as well as our penchant for innovation, FSB proudly introduces flush hardware for swinging doors.

Once again FSB has designed an elegant way to incorporate our minimal European styling with ANSI (Grade 1) mortise locks and latches, as well as tubular and European locks and latches. With this groundbreaking introduction, FSB has decidedly proven that less is more.

Everyone in the construction industry will quickly realize that attaining design of this caliber requires both the best hardware, as well as the best door preparation available. FSB has proactively eliminated the concerns associated with the door preparation and installation process.

Hardware is pre-installed and tested at pre-authorized door suppliers to ensure the application looks and functions as well in the project as it does in design.



Glass Door Hardware

Creating more visually 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.	2.	3.	4.
1147	RA	6204	ESS

1. Lever or Knob Design

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

For sliding door locks, only lockset ESS uses lever handles. If you are specifying another sliding door lockset, begin your specification code with the trim set designation.

FSB offers almost a hundred lever designs, stocking half in our US distribution facility for quick shipment throughout North America.

Not all finishes are available for every lever. Finishes are listed for each lever in the “Lever, Knob and Trim Designs” section of the North American Manual.

2. Trim Set

We have simplified the specification of locksets by using a code to denote the most common trim sets.

Sliding Door Trim Sets

- SA** Flush Pull
- SB** Spring Loaded Flush Pull
- SC** Ring Handle
- SD** Cranked Handle

Standard Entry Sliding Door Lock (ESS)

- RA** Hard Edge Rose 2³/₁₆" (55 mm)
- RB** Soft Edge Rose 2³/₁₆" (55 mm)
- RC** Hard Edge Rose with ADA Thumb Turn
- CT** Custom Trim Set

For more details on trim sets, please refer to pages 25 to 31.

3. Material and Finish

While FSB stocks natural anodized aluminum and satin stainless steel in its North American distribution facility, FSB offers products in many 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
 - 1005** AluGrey
- Aluminum Powder Coated**
 - 8120** Black
 - 8220** White
 - 8320** Red
- Stainless Steel**
 - 6204** Satin
 - 6205** Mirror Polished
 - 6206** Matte
- Bronze**
 - 7625** Patinated and Oil Rubbed
- Brass**
 - 4205** Polished Lacquered
 - 4305** Polished Oil Rubbed
 - 4694** Oxidized Lacquered
 - 4404** Oxidized Oil Rubbed

Please refer to page 8 for information regarding finishes.

4. Lock and Latch Type

The lock type is indicated with a three letter code.

Standard Sliding Door Sets (SS)

- LSS** Locking
- PSS** Pocket
- ESS** ADA Entry

European Sliding Door Sets (ES)

- LES** Locking
- PES** Pocket
- EES** Narrow Entry

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

All details about lock types are provided on pages 34 to 50.

Materials and Finishes

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

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

To confirm a particular finish is available for a specific product, consult each page.

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

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)
 1005 AluGrey

8120 Black (693)
 8220 White (714E)
 8320 Red

6204 Satin (630)
 6205 Mirror Polished (629)
 6206 Matte

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



0205
Aluminum German Silver (Champagne)
Color Anodized



0305
Aluminum Brass Color Anodized



0405
Aluminum Bronze Color Anodized



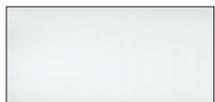
0704
Aluminum Dark Bronze Color
Anodized



1005
AluGrey



8120
Aluminum Powder Coated Black
approx. RAL 9005



8220
Aluminum Powder Coated White
approx. RAL 9016



8320
Aluminum Powder Coated Red
approx. RAL 3002

Stainless Steel



6204
Satin Stainless Steel



6205
Mirror Polished Stainless Steel



6206
Matte Stainless Steel

Brass



4205
Brass Polished Lacquered



4305
Brass Polished Oil Rubbed



4694
Oxidized Brass Lacquered



4404
Oxidized Brass Oil Rubbed

Bronze



7625
Bronze Patinated and Oil Rubbed

Sliding Door Hardware for Passage Doors

Base Material
 □ Aluminum
 □ Stainless Steel
 ■ Bronze
 ■ Brass

● Stock Items
 (in Natural Color
 Aluminum and Satin
 Stainless Steel)

4211  Page 17 □ □ ■ ■ ●	4212  Page 17 □ □ ■ ●	4213  Page 16 □ □ ●	4250  Page 12 □ □ ●	4250 0001  Page 12 □ □ ●
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4251  Page 13 □ □ ●	4251 0001  Page 13 □ □ ●	4251 0002  Page 13 □ □	4252  Page 14 □ □ ●	4252 0001  Page 14 □ □ ●	4252 0002  Page 14 □ □
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4253  Page 15 □ □ ●	4253 0001  Page 15 □ □ ●	4253 0002  Page 15 □ □	4254  Page 16 □ □	4254 0001  Page 16 □ □
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SS 7000  Page 20 ●	ES 7000  Page 20 ●	4299 0022/24  Page 18 □	4299 0023/25  Page 18 □ ●	4299 0012/19  Page 19 □	4299 0021/26  Page 19 □
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8820  Page 21 □ ●	8821  Page 23 □ ●
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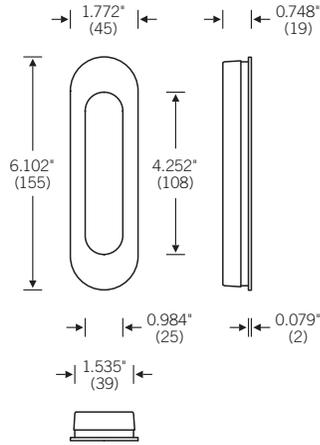
Sliding Door Hardware for Locking Doors

- Stock Items (in Natural Color Aluminum and Satin Stainless Steel)
- Base Material
 - Aluminum
 - Stainless Steel
 - Bronze
 - Brass

Trim Sets	<p>RA, RB, RC</p>  <p>Pages 26, 27, 28</p> <p>□ ■ ●</p>	<p>SA</p>  <p>Pages 29, 52, 53</p> <p>□ ■ ●</p>	<p>SB</p>  <p>Page 30</p> <p>■ ●</p>	<p>SC</p>  <p>Pages 30, 51</p> <p>□ ●</p>	<p>SD</p>  <p>Pages 31, 54</p> <p>■ ●</p>
Standard Sliding Door Locksets	<p>Series LSS</p>  <p>Page 34</p> <p>●</p>	<p>Series PSS</p>  <p>Page 36</p> <p>●</p>	<p>Series ESS</p>  <p>Page 39</p> <p>●</p>	<p>8806</p>  <p>Page 58</p> <p>□ ■ ●</p>	<p>PSS 7003</p>  <p>Page 38</p> <p>●</p>
European Sliding Door Locksets	<p>Series LES</p>  <p>Page 44</p> <p>●</p>	<p>Series PES</p>  <p>Page 45</p> <p>●</p>	<p>Series EES</p>  <p>Page 47</p> <p>●</p>	<p>8812</p>  <p>Page 59</p> <p>□ ■ ●</p>	<p>PES 7003</p>  <p>Page 46</p> <p>●</p>
Components	<p>4210 9000</p>  <p>Page 52</p> <p>□ ■ ●</p>	<p>4210 9001/02</p>  <p>Pages 52, 53</p> <p>□ ■ ●</p>	<p>4203/4204</p>  <p>Page 51</p> <p>□ ■ ●</p>	<p>4204 9000/01</p>  <p>Page 51</p> <p>□ ●</p>	<p>4210 9003/04</p>  <p>Page 53</p> <p>□ ■ ●</p>
Lift Slide Trim	<p>4215 00</p>  <p>Page 56</p> <p>■ ●</p>	<p>4215 02</p>  <p>Page 56</p> <p>■</p>	<p>4215 10</p>  <p>Page 56</p> <p>■ ●</p>	<p>3750 11</p>  <p>Page 57</p> <p>■</p>	<p>3750 12</p>  <p>Page 57</p> <p>■ ●</p>

Flush Pulls for Passage Doors

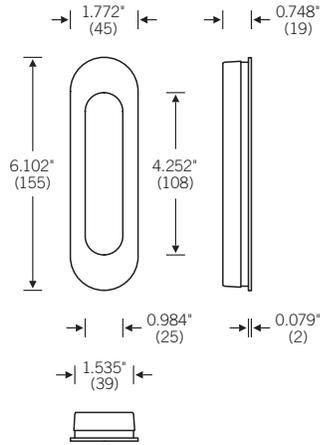
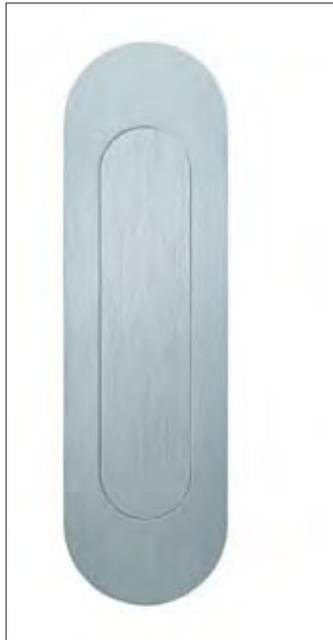
● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4250

- Aluminum ●
- Stainless Steel ●

Flush Pull



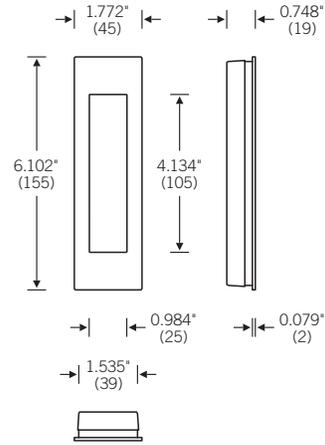
4250 0001

- Aluminum ●
- Stainless Steel ●

Flush Pull with
Spring Loaded Cover

Flush Pulls for Passage Doors

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4251

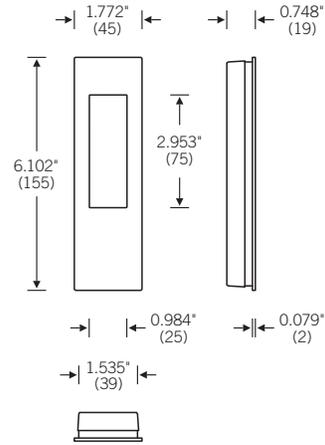
- Aluminum ●
- Stainless Steel ●

Flush Pull

4251 0001

- Aluminum ●
- Stainless Steel ●

Flush Pull with
Spring Loaded Cover



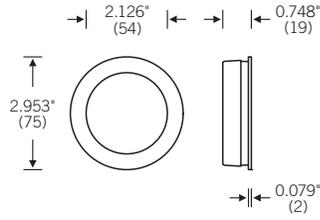
4251 0002

- Aluminum
- Stainless Steel

Flush Pull

Flush Pulls for Passage Doors

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4252

- Aluminum ●
- Stainless Steel ●

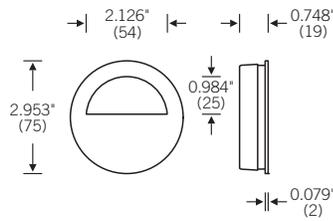
Flush Pull



4252 0001

- Aluminum ●
- Stainless Steel ●

Flush Pull with
Spring Loaded Cover



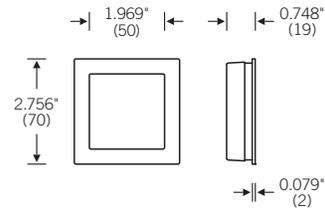
4252 0002

- Aluminum
- Stainless Steel

Flush Pull

Flush Pulls for Passage Doors

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4253

- Aluminum ●
- Stainless Steel ●

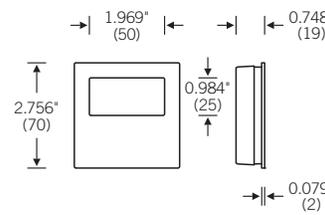
Flush Pull



4253 0001

- Aluminum ●
- Stainless Steel ●

Flush Pull with
Spring Loaded Cover



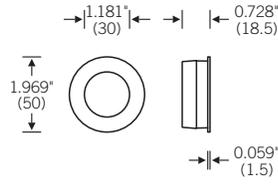
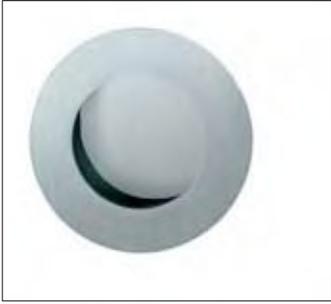
4253 0002

- Aluminum
- Stainless Steel

Flush Pull

Flush Pulls for Passage Doors

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4254

- Aluminum
- Stainless Steel

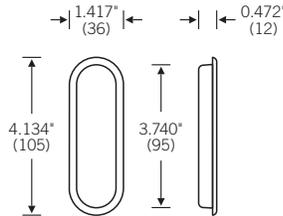
Flush Pull



4254 0001

- Aluminum
- Stainless Steel

Flush Pull with
Spring Loaded Cover



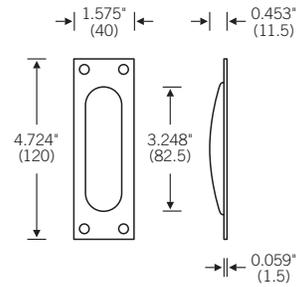
4213

- Aluminum ●
- Stainless Steel ●

Flush Pull

Flush Pulls for Passage Doors

● Stock Items
(in Natural Color Aluminum and Satin Stainless Steel)

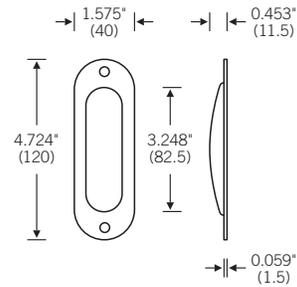


4211

- Aluminum ●
- Stainless Steel ●
- Bronze
- Brass

Flush Pull

Boreholes for 3.0 mm countersunk Screws



4212

- Aluminum ●
- Stainless Steel ●
- Brass

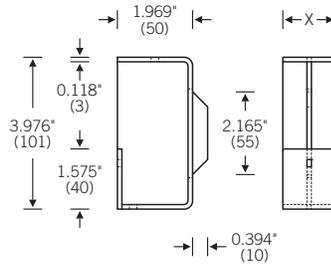
Flush Pull

Boreholes for 3.0 mm countersunk Screws

Available with PZ Cylinder Hole

Edge/Flush Pulls for Wood Doors

● Stock Items
in Satin Stainless Steel



4299 0022

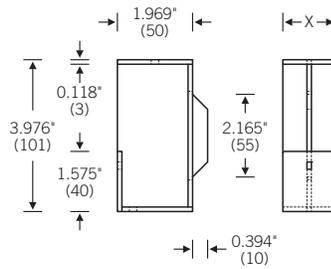
1 3/8" (35 mm) Door Thickness

4299 0024

1 3/4" (45 mm) Door Thickness

■ Stainless Steel

Radius Corners



4299 0023

1 3/8" (35 mm) Door Thickness

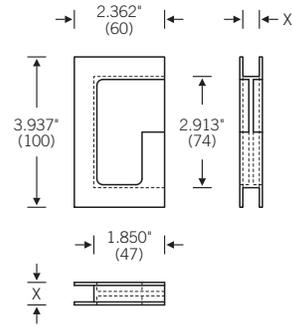
4299 0025

1 3/4" (45 mm) Door Thickness

■ Stainless Steel ●

Square Corners

Edge/Flush Pulls for Glass Doors

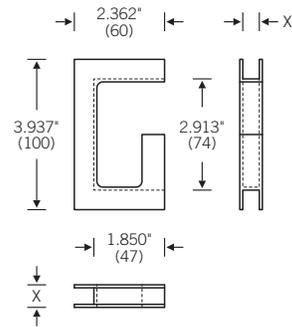


4299 0012
 $\frac{13}{32}$ " (10 mm) Door Thickness

4299 0019
 $\frac{5}{16}$ " (8 mm) Door Thickness

■ Stainless Steel

Flush Pull for Glass Doors



4299 0026
 $\frac{13}{32}$ " (10 mm) Door Thickness

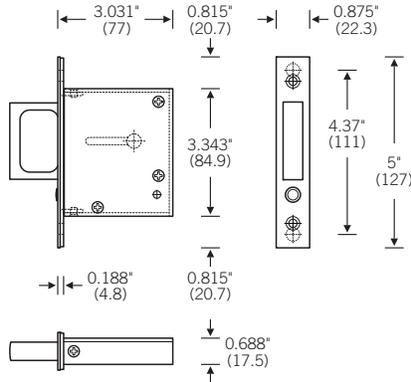
4299 0021
 $\frac{5}{16}$ " (8 mm) Door Thickness

■ Stainless Steel

Flush Pull for Glass Doors

Edge Pulls for Pocket Doors

● Stock Items

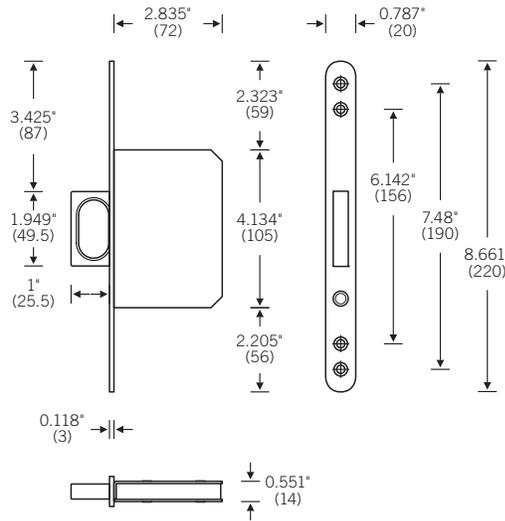


SS 7000

Spring Loaded Edge Pull ●

Finger pull remains flush with the edge of the door until the button is pressed. Pushing button projects finger pull.

As standard, the finger pull and button is always supplied in satin brass or satin chrome. Custom finishes are available on request.



ES 7000

Spring Loaded Edge Pull ●

Finger pull remains flush with the edge of the door until the button is pressed. Pushing button projects finger pull.

As standard, the finger pull and button is always supplied in nickel-plated steel and the faceplate in stainless steel.

Edge Pull SS 7000

Steel Case

3.343" × 3.031" × 0.688"
(84.9 × 77 × 17.5 mm)

Heavy gauge 0.093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

0.188" × 0.875" × 5.50"
(4.8 × 22.3 × 140 mm).

Faceplate (Scalp only)

0.062" × 1" × 5.50"
(1.57 × 25.4 × 140 mm).

Wrought stainless steel.

Pull

0.50" × 2" (12.7 × 50.8 mm) × 1.25" (32 mm) throw.

Machined solid brass.

Edge Pull ES 7000

Steel Case

4.13" × 2.95" × 0.55"
(105 × 75 × 14 mm)

Case not enclosed.

0.057" (1.45 mm) thick, steel.

Faceplate (Forend)

0.157" × 0.79" × 8.66"
(3 × 20 × 220 mm)

Stainless steel, non-corroding,

precision ground. Satin stainless finish only. Flat forend plate with rounded ends.

Pull

0.394" × 1.95" (10 × 49.5 mm) × 1" (25.5 mm) throw.

Nickel-plated steel.

Top-Mounted Sliding Door Tracks



The high quality stainless steel sliding door gear for glass doors are the visible combination of functionality and appealing design.

The system is suitable for wall as well as ceiling installation and therefore it is usable in various building situations.

Product features

- Due to the small dimensions of the carrier rollers there is enough mounting clearance even at low ceilings
- Track fixing for wall and ceiling
- Rail consists of full material with flat turned ends provided with chamfers
- Door leaf holder with a diameter of 35 mm contributes to an optimal clamping area
- The digging safety device is precisely adjustable by an ex-center. It consists of a plastic roller and can be led exactly under the rail. Thus the roll characteristic of the sliding door can be adjusted individually

- For every glass strength (ESG 8/10/12 mm) there is a precision-floor guide available. It consists of wear-free felt and therefore it is extremely noiseless
- High quality plastic bearing surfaces of the rollers for extreme quiet running with a minimum energy expenditure

Application range

- For sliding doors and elements in interior and exterior areas
- For door leaf weights up to 105 kg (231 lbs)
- For office as well as living areas

Installation drawing

Drawing-No. 10801-ep01 and 10801-ep02

8820

Description	ID No.
Set for wall mounting	119408
Set for ceiling mounting	122581
Floor guide, stainless steel	
· for toughened safety glass 8 mm	121003
· for toughened safety glass 10 mm	121004
· for toughened safety glass 12 mm	121005
Projected solutions on request.	

Table glass strength ESG (toughened safety glass)

for wall mounting

Dim.	8 mm	10 mm	12 mm
A	13.0 mm	11.0 mm	9.0 mm
B	7.5 mm	5.5 mm	3.5 mm
C	24.0 mm	26.0 mm	28.0 mm

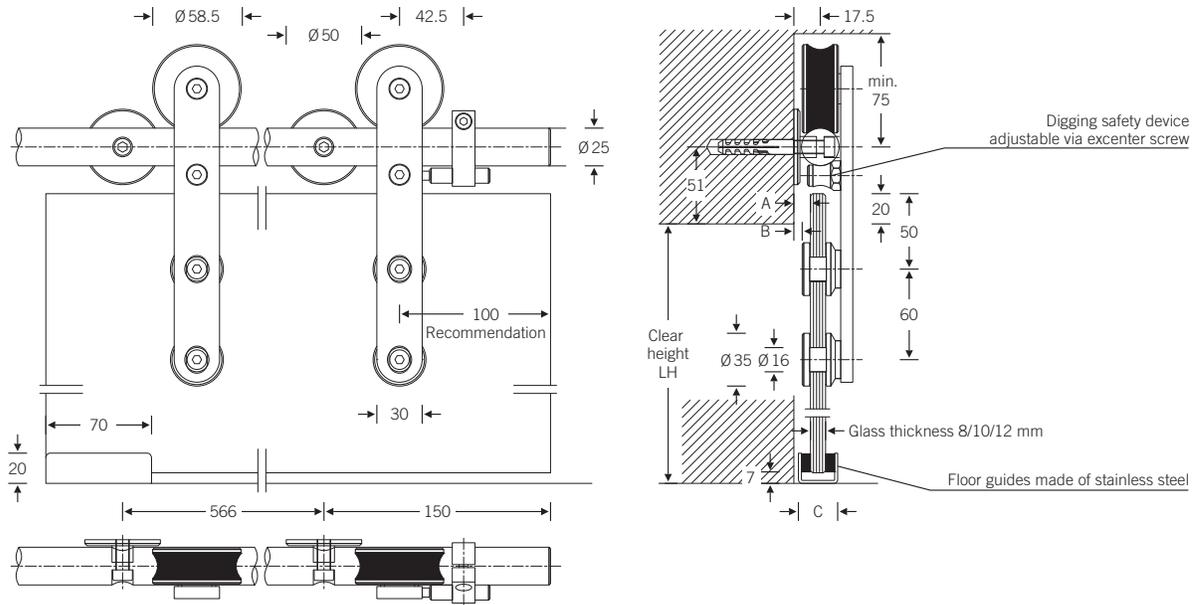
for ceiling mounting

Dim.	8 mm	10 mm	12 mm
A	24.0 mm	26.0 mm	28.0 mm
B	33.5 mm	32.5 mm	31.5 mm

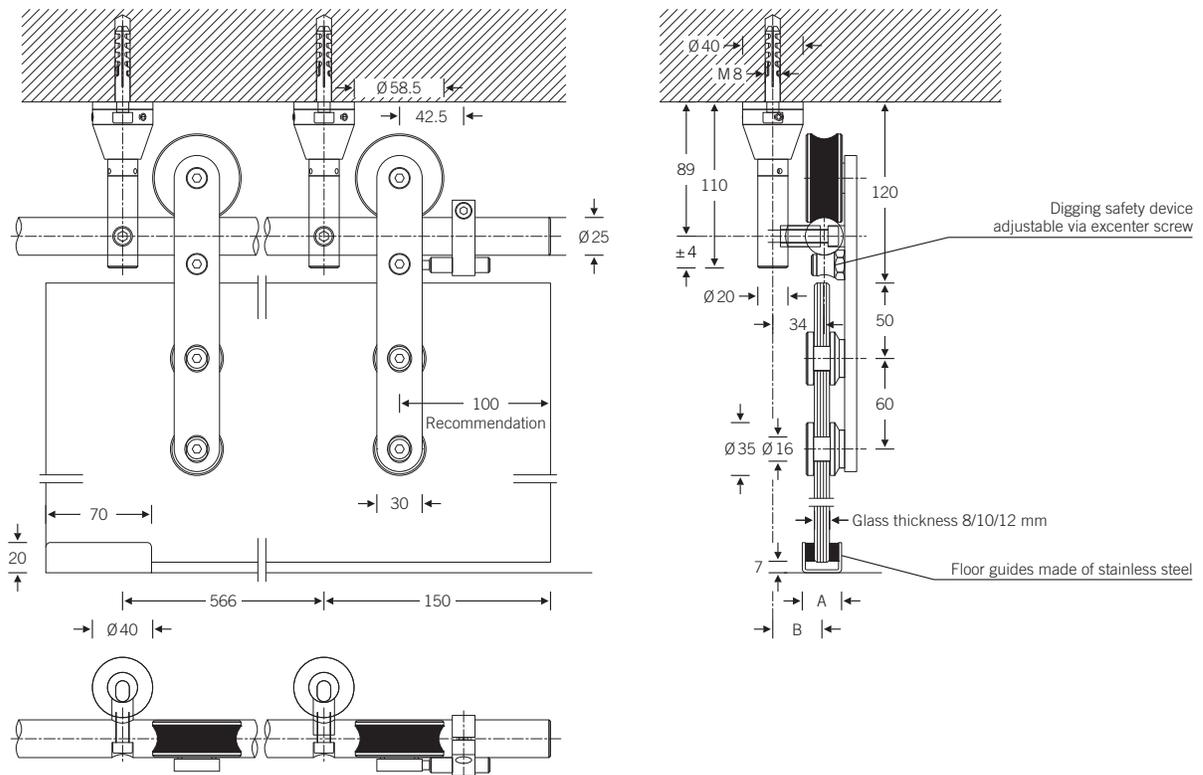


8820

Installation for wall mounting



Installation for ceiling mounting



Floor-Mounted Sliding Door Tracks



8821

Description	ID No.
Set for ceiling mounting, screwed 10 mm	121392
adhesive 10 mm	119409
Set for wall mounting, screwed 10 mm	123250
Projected solutions on request.	

Visible rollers on floor mounted semicircular 1/4"rail. The floor rail carries the door weight. At the top a u-shaped profile guides the door. Especially for areas where wall or ceiling mounting is not possible.

Product features

- High quality sliding door hardware combines aesthetics and function
- Guide rail can be mounted on a wall or ceiling allowing a flexibility installation
- The overall weight of the sliding door is carried by a track on the floor, thereby a usage in

various building situations is possible, e.g. in areas where a suspension can not be mounted

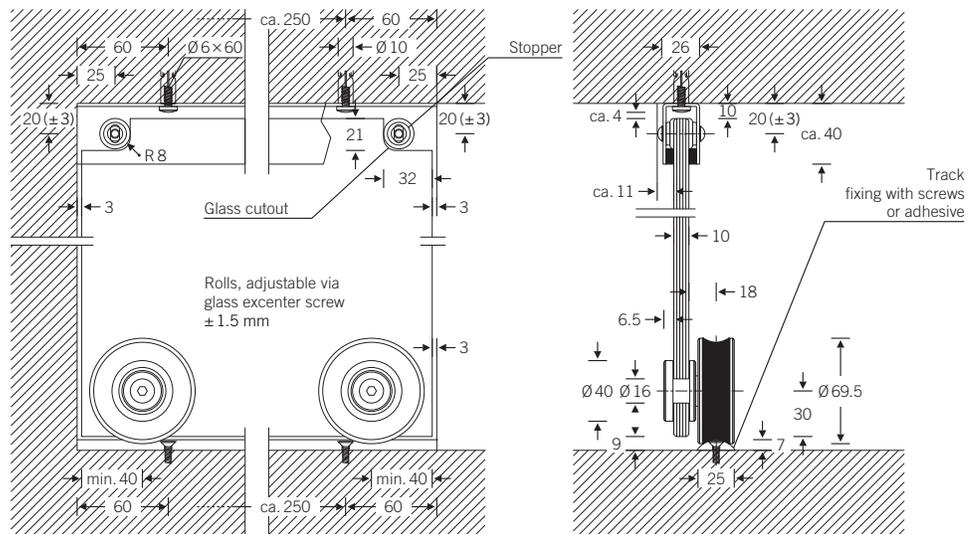
- High quality plastic bearing surfaces of the rollers for extreme quiet running with a minimum energy expenditure

Application range

- For sliding doors and elements in interior and exterior areas
- For door leaf weights up to 135 kg (297 lbs)
- Application also with suspended ceilings cause the overall weight of the sliding door is carried by a track on the floor
- For living as well as office areas

Installation drawing

Drawing-No. 10801-ep03



Roller-guided Sliding Door Gears

Product information for sliding door gears

In accordance with the definition of the liability of manufacturers for their products set out in § 4 of the “Produkthaftungsgesetz” (German Manufacturer’s Liability Law), the following information on sliding door gear should be observed. Failure to do so absolves the manufacturer from liability.

Product information and use in accordance with intended purpose

Sliding door gear, according to this definition, are fittings for doors and other push-able elements, henceforth called objects, which are not normally moved faster than walking pace. Sliding door gear is used in vertically fitted doors made of wood, plastic, glass, aluminum or steel and appropriate combinations of these materials. A floor guide is provided at the lower horizontal edge of the door. Special versions of products must be specified for damp rooms, direct exposure to the elements, exposure to cross winds, for installation near the sea and in highly corrosive conditions.

Correct installation by qualified personnel is a particularly important aspect of use for intended purpose. The object must be sufficiently rigid at all of these points. The function of the gear must not be hindered or altered by installation. A buffer must be used in order to limit the displacement path.

Misuse

Misuse – in other words use in a manner not in accordance with the intended purpose – can be said to occur in the following cases in particular:

- if the gear is used with a higher max. load than specified in the catalogue and in the other product documents,
- if incorrectly installed or attached,
- if ambient temperatures are too high or too low,
- if particularly aggressive media can affect the gear,
- if subjected to inordinately great pushing or pulling loads,
- if the position of the track deviates too greatly from the horizontal,
- if foreign bodies get into the track,
- if the rollers are operated too fast,
- if alterations are carried out without the manufacturer’s authorization,
- if obstacles are placed in the opening or between the door or the object thereby preventing intended use,
- if additional loads act upon the door or object,
- if someone is trapped between the door and the door frame while the door is being pushed or closed, or if a person or part of the body is in this area.

Product Performance

In cases where the performance of the product is not specifically described in the catalogues, brochures, instructions etc., special requirements must be discussed with and agreed by the manufacturer. Our regulations, which affect the composition of the sliding door gear, are binding.

Product Maintenance

Components of sliding door gear which are relevant to safety must be regularly inspected for proper fixing and signs of wear. Fixing screws are to be re-tightened and faulty components must be replaced. In addition, the following maintenance work must be carried out at least once a year:

- All moving parts are to be tested for free movement.
- In the case of running carriages with metal rollers, the moving parts must be greased (type of grease to be used on request). Plastic rollers must not be greased.
- Only use cleaning agents which do not impair the anti-corrosion protection of the gear.
- Faulty sliding door gears must be replaced.
- Adjustment work on the gears and the replacement must be carried out by qualified personnel.

Duty of Information and Instructions

The following sources of information are available to planners, specialist dealers, administrative personnel, building contractors and users by way of fulfillment of the duty of information and instruction:

- catalogues, brochures
- quotations, descriptions of offer
- mounting and installation drawings, maintenance and operation instructions.

In order to ensure correct use, proper functioning and maintenance and care of sliding door gear,

- architects and planners must request and apply the necessary product information,
- specialist dealers must take account of the product information and notes in the price lists, and in particular must request all necessary instructions and pass these on to the installation personnel,
- installation personnel must take account of all product information, and in particular must request operating and maintenance instructions and pass these on to the ordering party and the user.

Trim Sets

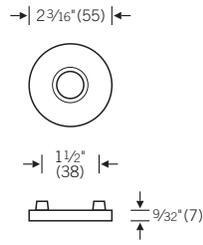
Introduction

FSB offers up to eight standard trimsets for use with FSB sliding door locks. Not every trimset can be combined with every lock.

The standard rose trim (RA, RB, and RC), as well as the flush sliding door trimsets SA and SC can be used with specific US locks. Combining these locks and trimsets is detailed in the US lock function pages 34 to 42.

Sliding door trimsets SA, SB, SC and SD can be used with specific European sliding door locks. Combining these locks and trimsets is detailed in the European lock function pages 44 to 50.

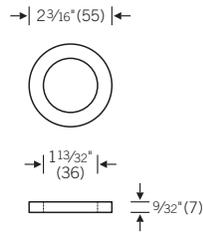
Trim Set RA



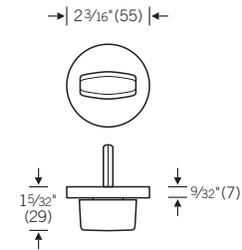
Hard Edge Rose

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)

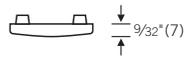
Trims Set RB



→ | 2 3/16" (55) | ←



→ | 1 1/2" (38) | ←



Soft Edge Rose

2 3/16" (55 mm)

Compatibility is indicated on the function pages with this symbol:



→ | 2 3/16" (55) | ←



→ | 1 13/32" (36) | ←



Cylinder Ring



→ | 2 3/16" (55) | ←



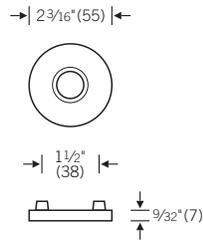
↓ | 1 5/32" (29) | ↑



↓ | 9/32" (7) | ↑

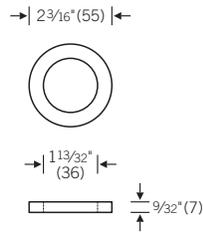
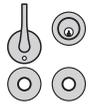
Thumbturn and Emergency Release (with Indicator as standard)

Trim Set RC

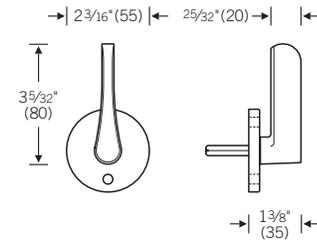


Hard Edge Rose
with ADA Thumbturn
2 3/16" (55 mm)

Compatibility is indicated on the function pages with this symbol:

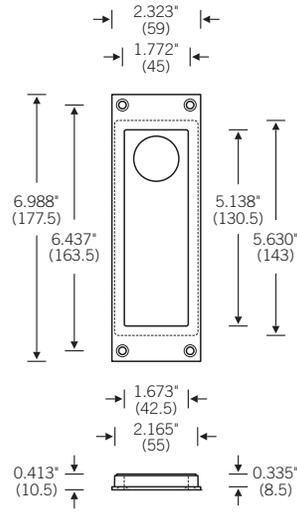


Cylinder Ring



ADA Thumbturn and
Emergency Release
(with Indicator as standard)

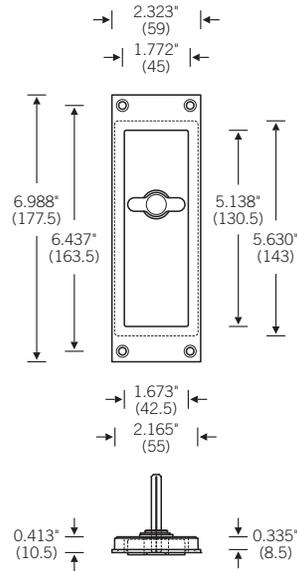
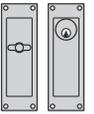
Trim Set SA



Flush Pull

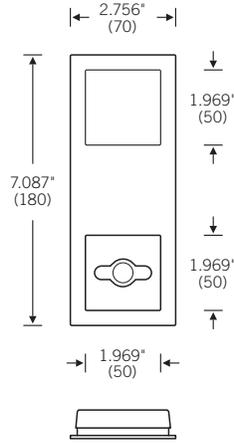
2 5/16" x 7" (59 x 177.5 mm)

Compatibility is indicated on the function pages with this symbol:



Flush Pull with Thumbturn and Emergency Release (with Indicator as standard)

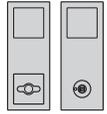
Trim Set SB



Privacy Set for European Locks with Indicator

2 3/4" x 7 1/8" (70 x 180 mm)

Compatibility is indicated on the function pages with this symbol:

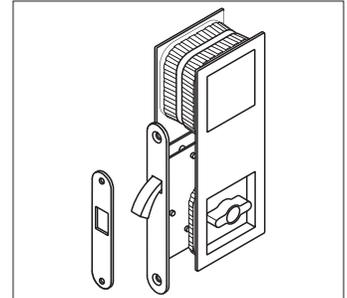


FSB's closed recessed pulls for flush mounting to sliding doors have already made quite a name for themselves: indeed, this formally and functionally innovative hardware solution was given an "honourable mention" by the red dot design awards jury. Closed flush pulls ensure a uniform appearance for the door leaf.

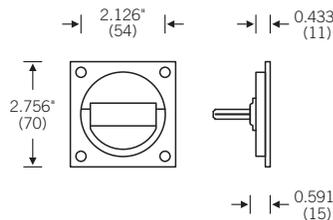
The operating aperture is always blanked out by a cover that springs neatly into the closed position when the hardware is not being used. Hardware and door are suffused into a single entity in this way – the door's design credentials are significantly enhanced as a result.

FSB has integrated our spring loaded flush pulls with a thumb-turn and release for locking doors. FSB offers the 4255 with either the LES or PES series.

No visible fixings are required. FSB recommends using CNC equipment for this door preparation.



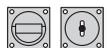
Trim Set SC



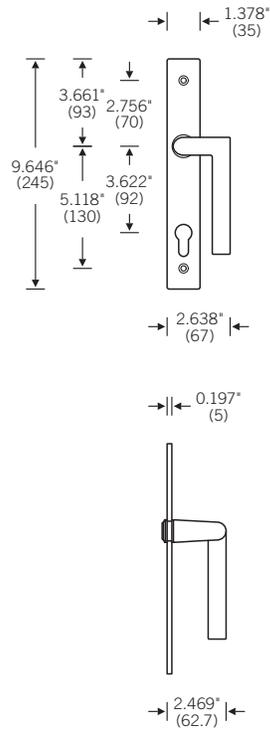
Flush Ring Deadlock with Emergency Release

2 3/4" x 2 3/4" (70 x 70 mm)

Compatibility is indicated on the function pages with this symbol:

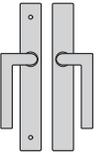


Trim Set SD



Cranked Handle with Backplate
 1 3/8" x 9 5/8" (35 x 245 mm)

Compatibility is indicated on the function pages with this symbol:



Cranked Handle with Backplate and PZ-Keyhole

US Sliding Door Locks

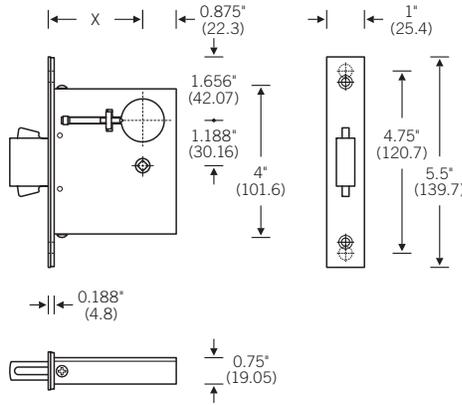
There is an increasing requirement to have both entry and privacy sliding doors.

In the following pages we show the trim design and the US-made locks with which it can be used as complete sets.



Standard Sliding Door Lockset Series LSS Functions

● Stock Items



Series LSS

Backsets (x)
 2½" (64 mm) ●
 2¾" (70 mm)

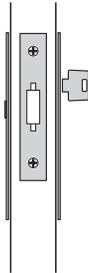
For 1¾" or greater Door Thickness.

Lock Body only: LSS 7001

As standard, the deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

Function P

Key × Thumbturn
Deadlock

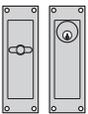


Key × Thumbturn Deadlock Set

Includes Lock LSS 7001,
 Cylinder Ring 0450 9001
 and Cylinder.

Compatible Trim Sets

SA SB SC SD



Technical Specifications are described on Page 42.

Trim Sets are shown on Page 29 to 30.

Standard Sliding Door Lockset Series LSS Functions

Function R

Thumbturn Deadlock

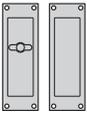


Thumbturn Deadlock Set

Includes Lock LSS 7001

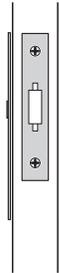
Compatible Trim Sets

SA SB SC SD



Function S

Thumbturn Deadlock
with Emergency
Release



Thumbturn Deadlock with
Emergency Release Set

Includes Lock LSS 7001

Compatible Trim Sets

SA SB SC SD

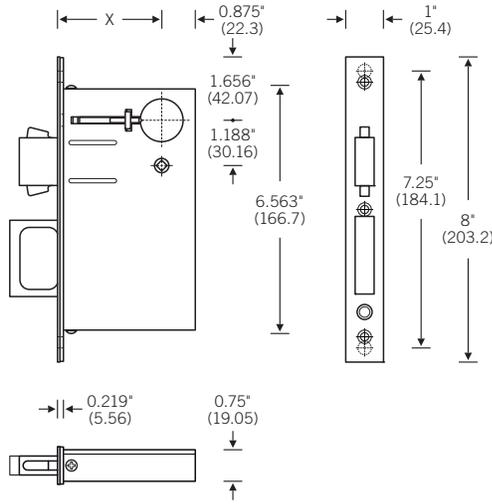


Technical Specifications are described on Page 42.

Trim Sets are shown on Page 29 to 30.

Standard Pocket Sliding Door Lockset Series PSS Functions

● Stock Items



Series PSS

Backsets (x)
 2½" (64 mm) ●
 2¾" (70 mm)

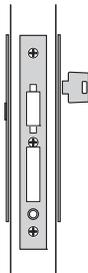
For 1¾" or greater Door Thickness.

As standard, the finger pull, the button and deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

Lock Body only: PSS 7002

Function P

Key × Thumbturn Deadlock

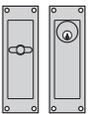


Key × Thumbturn Deadlock Set

Includes Lock PSS 7002, Cylinder Ring 0450 9001 and Cylinder.

Compatible Trim Sets

SA SB SC SD



Technical Specifications are described on Page 42.

Trim Sets are shown on Page 29 to 30.

Standard Pocket Sliding Door Lockset Series PSS Functions

Function R

Thumbturn Deadlock

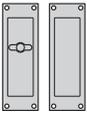


Thumbturn Deadlock Set

Includes Lock PSS 7002

Compatible Trim Sets

SA SB SC SD



Function S

Thumbturn Deadlock
with Emergency
Release



Thumbturn Deadlock with
Emergency Release Set

Includes Lock PSS 7002

Compatible Trim Sets

SA SB SC SD

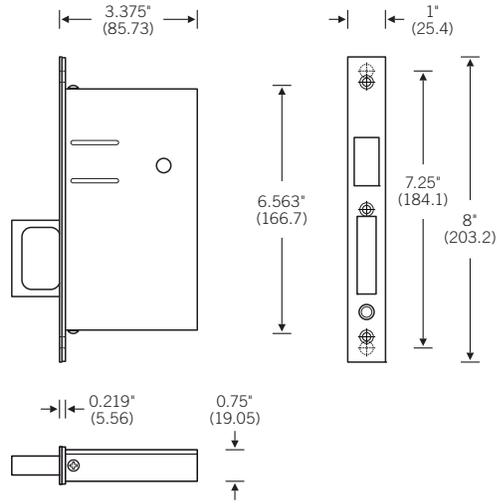


Technical Specifications are described on Page 42.

Trim Sets are shown on Page 29 to 30.

Sliding Door Lock as Strike

● Stock Items



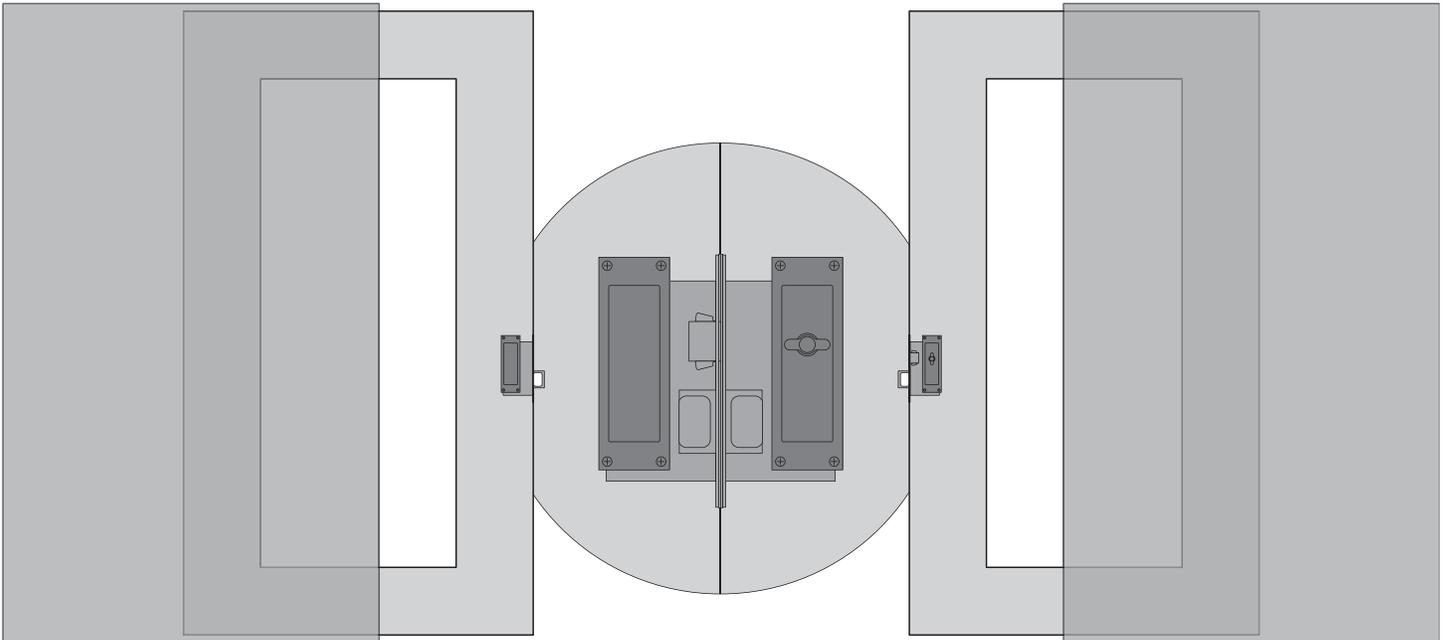
PSS 7003

Backsets (x)
 2½" (64 mm) ●
 2¾" (70 mm)

For 1¾" or greater Door Thickness.

With spring loaded Cover for Deadbolt.

As standard, the finger pull, the button and deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.



Technical Specifications are described on Page 42.

ADA Compliant Sliding Door Lock

Building owners are demanding more efficient use of space. Consequently architects and designers are utilizing many more sliding and pocket doors to eliminate wasted space occupied by a traditional swinging door.

In recognition of this trend, FSB has developed an ADA compliant solution for the commercial market freeing up coveted square footage while maintaining the aesthetically pleasing look that is FSB.

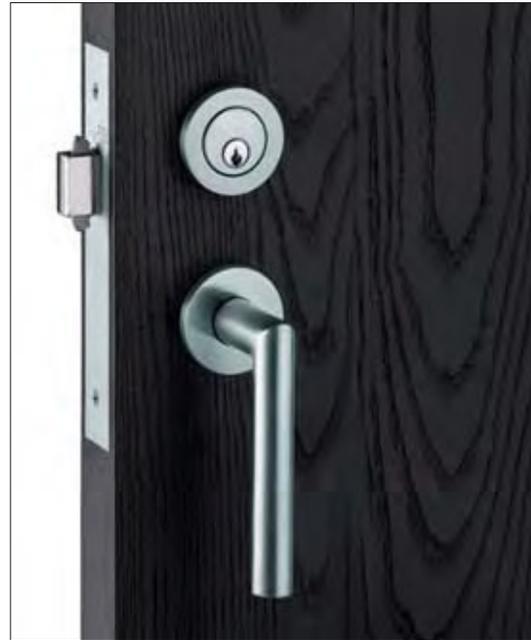
Note: In order to ensure ADA compliance, the opening must be large enough to accommodate exposed trim with the door open and leave a 32" opening.

Sets with Standard Trim

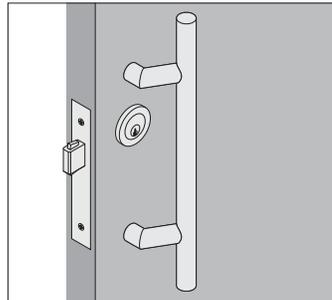
Exterior vertical lever always rigid with keyed cylinder (entry), emergency release (privacy) or blank (patio).

Interior (not shown) is a vertical lever with operable thumbturn to engage latch, lever or thumbturn retract latch.

The ESS 7005 ADA lock case can be ordered "prepared as strike" for pairs of doors. When ordered this way, the front of the lock used in the strike side of the door has an integrated dust box, and the handles are rigid.



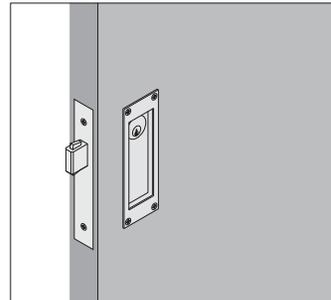
Optional Exterior Trim



Exterior Pull

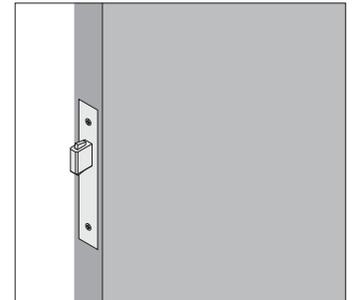
Interior (not shown) is a vertical lever with operable thumbturn to engage latch, lever or thumbturn retract latch.

Exterior vertical pull handle (see "FSB Door Pulls & Glass Door Hardware Section") with keyed cylinder (entry), emergency release (privacy) or blank (patio).



Exterior Flush Pull

Exterior flush pull (see "FSB Sliding Door Hardware Section") with keyed cylinder (entry), emergency release (privacy) or blank (patio).



No Exterior Trim

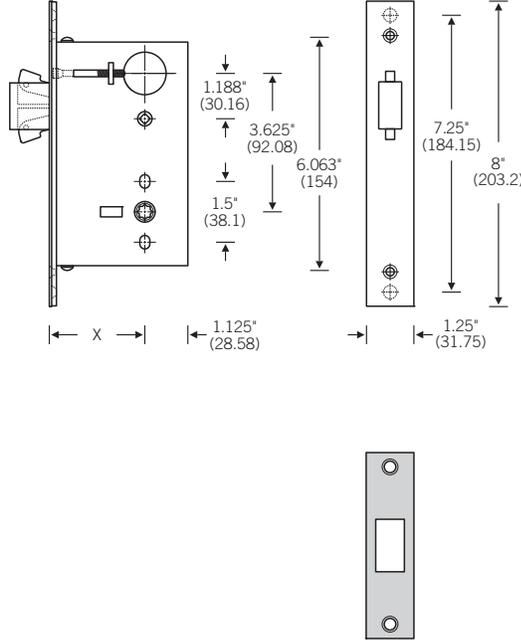
Exterior blank.

Example Specification Codes:

- Standard Trimset:** 1147 - RA - 6204 - ESS - B - 2 3/4" - RH - 1 3/4"
- Exterior Pull:** 1147 - RB (6630) - 6204 - ESS - B - 2 3/4" - RH - 1 3/4"
- Exterior Flush Pull:** 1147 - RC (4210 9001) - 6204 - ESS - E - 2 3/4" - RH - 1 3/4"
- No Exterior Trim:** 1147 - RA (less outside trim) - 6204 - ESS - T - 2 3/4" - RH - 1 3/4"

Standard Entry/ADA Sliding Door Lockset Series ESS Functions

● Stock Items



Series ESS

Standard Backset
Mortise Sliding Door Lock

Federal Specifications

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

Backsets (x)

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

Strike

Deadbolt strike with dustbox.

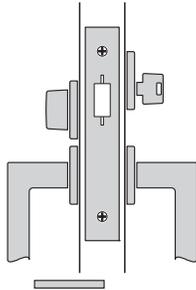
Lock body only: ESS 7005

As standard, the deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

Function B

Entry

ANSI Code F13

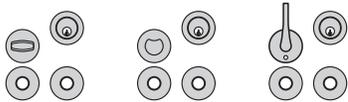


Dead bolt by handle inside only.
Dead bolt by key outside and thumbturn inside.
Outside handle is always rigid.

Includes Lock ESS 7005 and required trim.

Compatible Trim Sets

RA RB RC



Supplied with straight spindle turnably fixed to interior lever

Technical Specifications are described on Page 42.

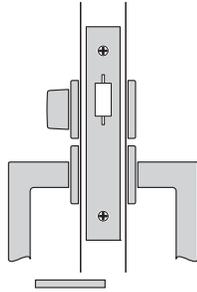
Trim Sets are shown on Page 26 to 28.

Standard Entry/ADA Sliding Door Lockset Series ESS Functions

Function E

Privacy

ANSI Code F19

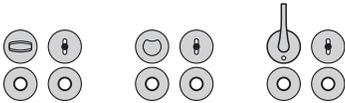


Dead bolt by handle inside only.
Dead bolt by thumbturn inside
and emergency key outside.
Outside handle is always rigid.

Includes Lock ESS 7005 and
required trim.

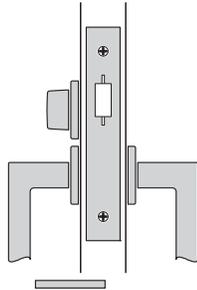
Compatible Trim Sets

RA RB RC



Function T

Patio

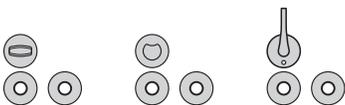


Dead bolt by handle inside only.
Dead bolt by thumbturn inside.
Outside handle is always rigid.

Includes Lock ESS 7005 and
required trim.

Compatible Trim Sets

RA RB RC



 Supplied with
straight spindle
turnably fixed to
interior lever

Technical Specifications are
described on Page 42.

Trim Sets are shown on
Page 26 to 28.

Standard Sliding Door Locks Information and Specifications

SS Series

A premium quality heavy duty commercial grade sliding pocket door lock/pull series compatible with an array of FSB Sliding Door Trim. Locks are available as a 2.50" and 2.75" backset.

The SS 7000 edge pull has a standard 0.875" wide faceplate. The LSS 7001 and PSS 7002/03 locks incorporate a standard 1" wide faceplate and are designed for doors 1.75" thick and greater. The ESS 7005 faceplate is 1.25" wide.

Locks are available in a variety of keyed and non-keyed functions. For double door applications, the pocket door strike/pull with integrated dustproof strike (PSS 7003) is available for opposing our pocket door lock/pull PSS 7002.

Backsets

2.50" (64 mm)
2.75" (70 mm)

The SS Series thumbturn hubs are fabricated of oil impregnated, copper infiltrated sintered steel, for additional strength. Heavy gauge cases are designed to accommodate FSB trim for positive alignment with the lock case. Deadbolts are fabricated from solid brass with stainless steel hooks.

Faceplates and strikes are fabricated standard in non-magnetic 304 alloy stainless steel. Brass substrate and most decorative finishes may be obtained on a special order basis.

As standard, the finger pull, the button and deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

All FSB sliding locks are compatible with most US cylinders. When using other brands of cylinders, they must be supplied with an FSB compatible clover cam.

Sliding Door Lock LSS 7001

Steel Case

Size varies according to backset. Heavy gauge 0.093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

0.188" × 1" × 5.50"
(4.8 × 25.4 × 140 mm).

Faceplate (Scalp only)

0.062" × 1" × 5.50"
(1.57 × 25.4 × 140 mm).
Wrought stainless steel, bronze or brass substrate. Finish as required.

Deadbolt

0.50" × 1.188" (12.7 × 31 mm) × 1" (25.4 mm) throw.
Machined solid brass with stainless steel hooks.

Thumbturn Hub

0.2" (5 mm) diamond. Oil impregnated, copper infiltrated sintered steel, 90 degree rotation.

Backsets

2.50" (64 mm) and
2.75" (70 mm).

Spacing

1.18" (30 mm) center cylinder to thumbturn hub.

Strike

3.50" × 1" × 0.093"
(89 × 25.4 × 2.36 mm) for a single door. Strike available for pair of doors. Wrought stainless steel, bronze and brass substrate finished to match.

Pocket Lock/Pull PSS 7002 Pocket Strike/Pull PSS 7003

Steel Case

Size varies according to backset. Heavy gauge 0.093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

0.188" × 1" × 8"
(4.8 × 25.4 × 203 mm)

Faceplate (Scalp only)

0.062" × 1" × 8"
(1.57 × 25.4 × 203 mm).
Wrought stainless steel, bronze or brass substrate. Finish as required.

Pull

0.50" × 2" (12.7 × 50.8 mm) × 1.25" (32 mm) throw.
Machined solid brass.

For PSS 7002 only:

Deadbolt
0.50" × 1.188" (12.7 × 31 mm) × 1" (25.4 mm) throw.
Machined solid brass with stainless steel hooks.

Thumbturn Hub

0.2" (5 mm) diamond. Oil impregnated, copper infiltrated sintered steel, 90 degree rotation.

Backsets

2.50" (64 mm) and
2.75" (70 mm).

Spacing

1.18" (30 mm) center cylinder to thumbturn hub.

Strike

3.50" × 1" × 0.093"
(89 × 25.4 × 2.36 mm)
Wrought stainless steel, bronze and brass substrate finished to match.

For PSS 7003 only:

Strike
Double doors: integrated dust-proof strike. Wrought stainless steel, bronze or brass substrate. Finish as required.

Entry Sliding Door Lock ESS 7005

Steel Case

Size varies according to backset. Heavy gauge 0.093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

0.218" × 1.25" × 8"
(5.5 × 32 × 203 mm)

Faceplate (Scalp only)

0.062" × 1.25" × 8"
(1.57 × 32 × 203 mm).
Wrought stainless steel, bronze or brass substrate. Finish as required.

Deadbolt

0.5625" × 1.25" (14 × 32 mm) × 1" (25.4 mm) throw.
Machined solid brass with stainless steel hooks.

Thumbturn Hub

0.2" (5 mm) diamond. Oil impregnated, copper infiltrated sintered steel, 90 degree rotation.

Backsets

2.50" (64 mm) and
2.75" (70 mm).
3.75", 5" and 6" backsets are available as special order.

Spacing

3.625" (92 mm) center lever hub to center cylinder, 2.4375" (62 mm) center lever hub to center thumbturn hub.

Strike

4.875" × 1.25" (124 × 32 mm) rectangular strike. Wrought stainless steel, bronze, and brass substrate finished to match. Wrought dust boxes also available.

European Sliding Door Locks

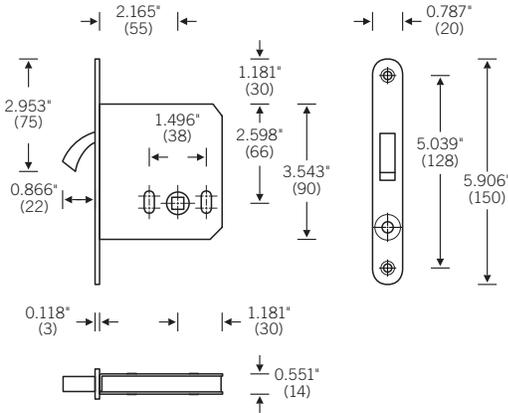
Residential applications frequently call for a different aesthetic and are not subject to all the codes and heavy usage found in commercial projects.

Given our European heritage, FSB offers all locking solutions in a US version, as well as more economical European versions.



European Sliding Door Lockset Series LES Function

● Stock Items



Series LES

Sliding Door Lock ●

Lock Body only: LES 7001

As standard, the deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

Function S

Thumbturn Deadlock with Emergency Release

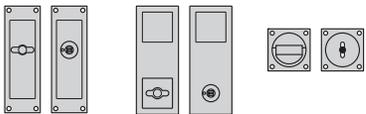


Thumbturn Deadlock with Emergency Release Set

Includes Lock LES 7001

Compatible Trim Sets

SA SB SC SD



Technical Specifications are described on Page 50.

Trim Sets are shown on Page 29 to 30.

European Pocket Sliding Door Lockset Series PES Function

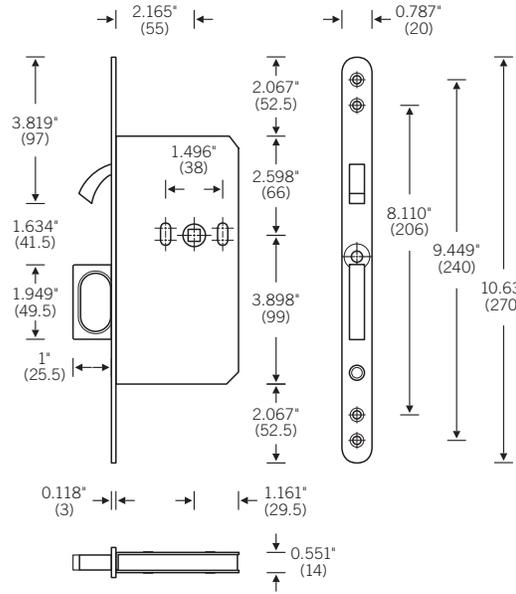
● Stock Items

Series PES

Spring Loaded Edge Pull ●

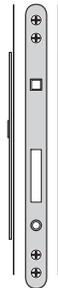
Lock Body only: PES 7002

As standard, the finger pull, button and deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.



Function S

Thumbturn Deadlock with Emergency Release

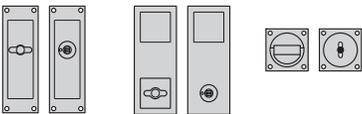


Thumbturn Deadlock with Emergency Release Set

Includes Lock PES 7002

Compatible Trim Sets

SA SB SC SD

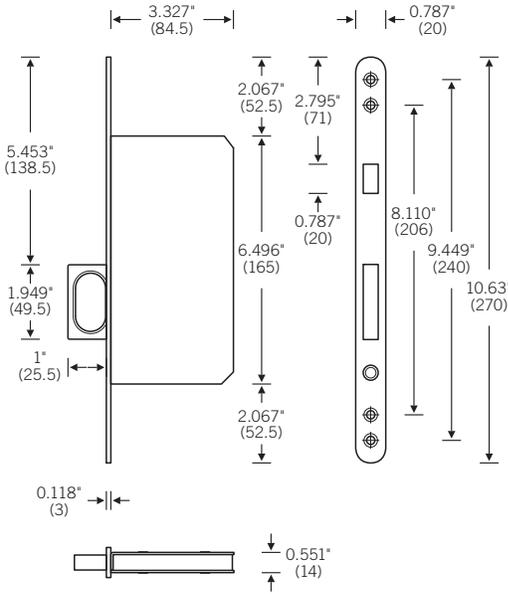


Technical Specifications are described on Page 50.

Trim Sets are shown on Page 29 to 30.

Sliding Door Lock as Strike

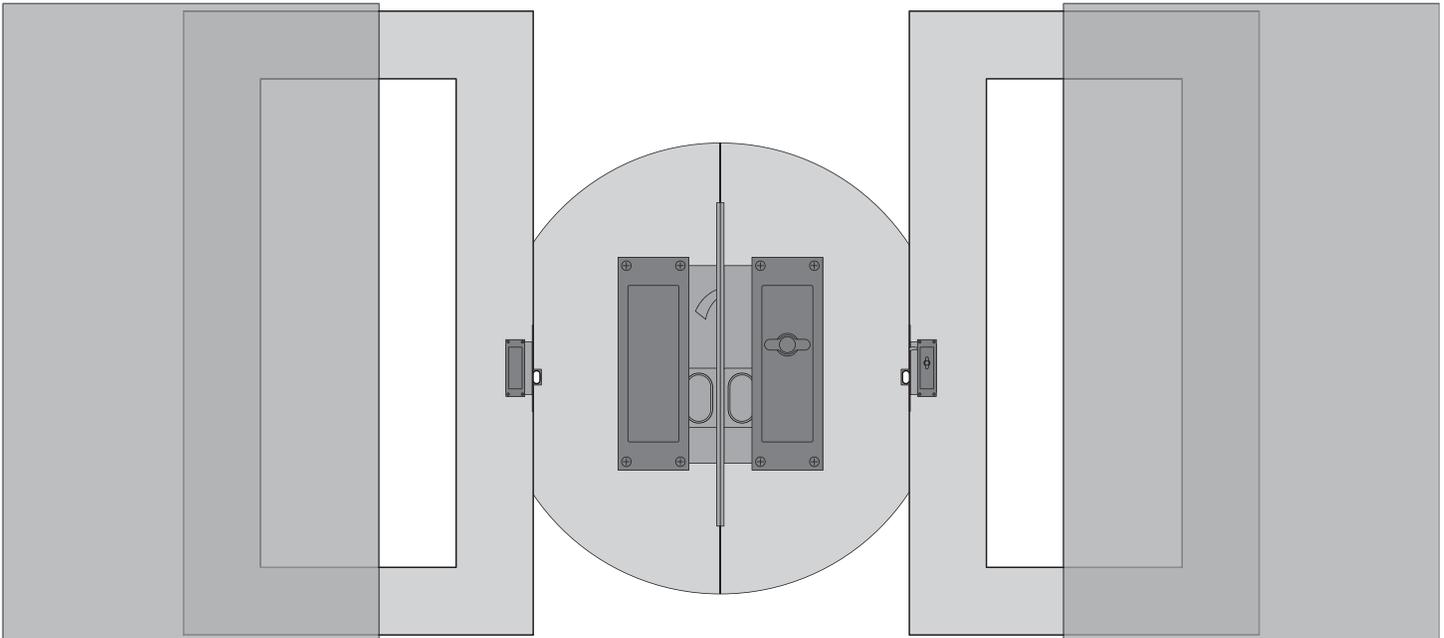
● Stock Items



PES 7003

Strike Box for LES and PES ●

As standard, the finger pull and button is always supplied in satin brass or satin chrome. Custom finishes are available on request.



Technical Specifications are described on Page 50.

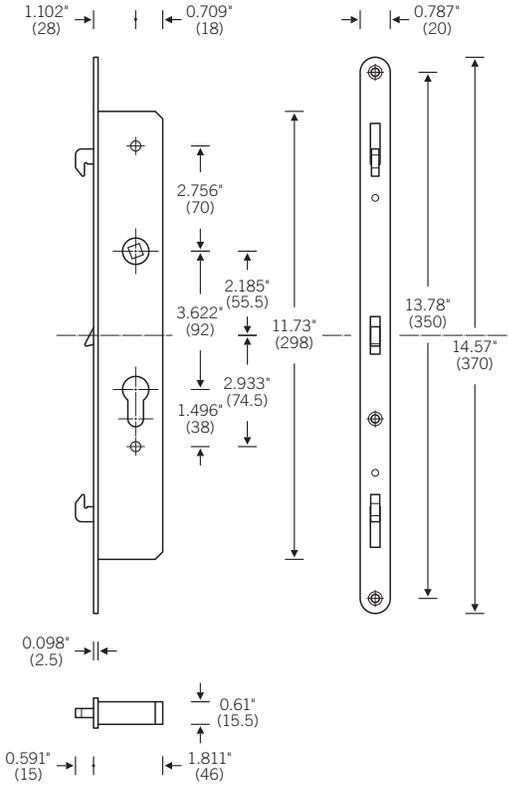
Narrow Stile European Entry Sliding Door Lockset

European locks are typically narrower than their US counterparts. Combining FSB trim with these locks enables one to lock doors with very narrow stiles.



European Entry Sliding Door Lockset Series EES Functions

● Stock Items



Series EES

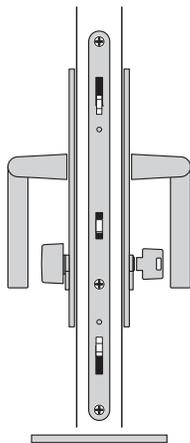
Narrow Stile Entry
Sliding Door Lock ●

Lock Body only: EES 7005

As standard, the deadbolt is always supplied in satin brass or satin chrome. Custom finishes are available on request.

Function B

Entry



Latch bolt operated by lever either side, thumbturn inside and key outside.
Deadbolt operated by thumbturn inside and key outside.
Cranked handle with profile cylinder backplates both sides.

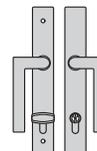
Exposed screws only on inside.

Includes Lock EES 7005.

Compatible Trim Sets

SA SB SC

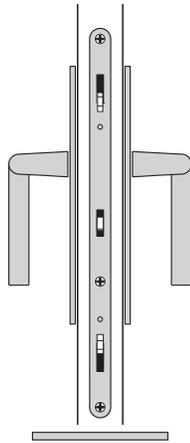
SD



European Entry Sliding Door Lockset Series EES Functions

Function C

Passage



Latch bolt operated by lever either side.
Cranked handle with blank backplates both sides.

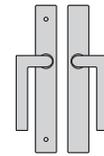
Exposed screws only on inside.

Includes Lock EES 7005.

Compatible Trim Sets

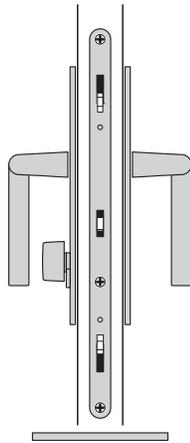
SA SB SC

SD



Function T

Patio



Latch bolt operated by lever either side and thumbturn inside.
Deadbolt operated by thumbturn inside.
Cranked handle with profile cylinder backplate inside and blank backplate outside.

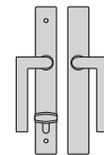
Exposed screws only on inside.

Includes Lock EES 7005.

Compatible Trim Sets

SA SB SC

SD



Example for Specifying:

Series EES: SD - 6204 - EES - B - 28 mm - RH - 1 3/4"

Technical Specifications are described on Page 50.

Trim Sets are shown on Page 31.

European Sliding Door Locks Information and Specifications

ES Series

A sliding pocket door privacy lock/pull series compatible with an array of FSB sliding door trim. The sliding privacy door locks (LES 7001 and PES 7002) are available as a 55 mm (2.17") backset. The entry sliding door lock is available as a 28 mm (1.102") backset.

The ES Series locks/pulls incorporate a standard 0.79" (20 mm) wide faceplate and are designed for doors 1.75" (44.5 mm) thick and greater.

For entry doors and/or narrow stile doors, FSB offers the EES 7005 which is available in both keyed and non-keyed functions.

For double door applications, the pocket door strike/pull with integrated strike (PES 7003) is available for opposing our pocket door privacy lock/pull PES 7002.

Backsets
LES 7001 and PES 7002:
2.17" (55 mm)
EES 7005: 1.102" (28 mm)

Steel cases are designed to accommodate FSB trim for positive alignment with the lock case.

Hook Bolts and Edge Pulls are fabricated from nickel-plated steel.

Faceplates and strikes are fabricated standard in non-corroding, precision ground stainless steel.

Pocket Door Lock LES 7001

Steel Case
3.54" × 3.35" × 0.55"
(90 × 85 × 14 mm)
Case not enclosed.
0.057" (1.45 mm) thick, steel.

Faceplate (Forend)
0.157" × 0.79" × 5.91"
(3 × 20 × 150 mm)
Stainless steel, non-corroding, precision ground.
Satin stainless finish only.
Flat Forend Plate with rounded ends.

Hook Bolt
0.394" (10 mm) thick
× 0.87" (22 mm) throw.
Nickel-plated steel.

Thumbturn Hub
0.315" (8 mm) square.
90 degree rotation.

Backset
2.17" (55 mm)

Strike
0.08" × 0.79" × 4.06"
(2 × 20 × 103 mm)
Stainless steel, non-corroding.
Satin stainless finish.
Flat Strike with rounded ends.

Privacy Lock/Pull PES 7002 Strike Case/Pull PES 7003

Steel Case
6.50" × 3.33" × 0.55"
(165 × 84.5 × 14 mm)
Case not enclosed.
0.057" (1.45 mm) thick, steel.

Faceplate (Forend)
0.157" × 0.79" × 10.63"
(3 × 20 × 270 mm)
Stainless steel, non-corroding, precision ground.
Satin stainless finish only.
Flat Forend Plate with rounded ends.

Pull
0.394" × 1.95" (10 × 49.5 mm)
× 1" (25.5 mm) throw.
Nickel-plated steel.

For PES 7002 only:

Hook Bolt
0.394" (10 mm) thick
× 0.87" (22 mm) throw.
Nickel-plated steel.

Thumbturn Hub
0.315" (8 mm) square.
90 degree rotation.

Backset
2.17" (55 mm)

Strike
Single doors:
0.08" × 0.79" × 4.06"
(2 × 20 × 103 mm)
Stainless steel, non-corroding.
Satin stainless finish.
Flat strike with rounded ends.

Double doors:
refer to ES 7003

For PES 7003 only:
Strike Double Doors:
Integrated Strike on Faceplate (Forend).
Stainless steel, non-corroding.
Satin stainless finish.
Flat Forend/Strike Plate with rounded ends.

Entry Sliding Door Lock EES 7005

Steel Case
14.57" × 1.81" × 0.61"
(370 × 46 × 15.5 mm)

Faceplate (Forend)
0.10" × 0.79" × 14.57"
(2.50 × 20 × 370 mm)
Brushed 304 stainless steel only.
Flat Forend Plate with rounded ends.

Latch Hooks
0.24" (6 mm) thick, tri-laminate, 304 stainless steel.

Lever Hub
0.315" (8 mm) square.
20 degree offset.

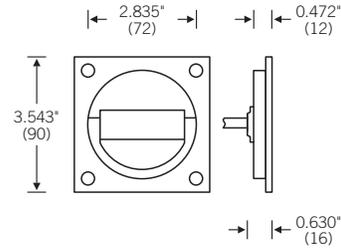
Backset
1.102" (28 mm)

Spacing
3.625" (92 mm)
center lever hub to
center key cylinder (thumbturn)

Strike
0.10" × 0.79" × 12.83"
(2.5 × 20 × 326 mm)
flat center strike with rounded ends.
304 stainless steel.
Brushed stainless finish.

Flush Ring Handles for Privacy Doors

● Stock Items
(in Natural Color Aluminum)

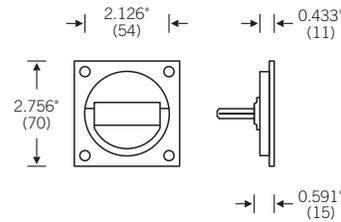


4203

■ Aluminum

European sliding door locks with 8 mm □ spindle as standard.

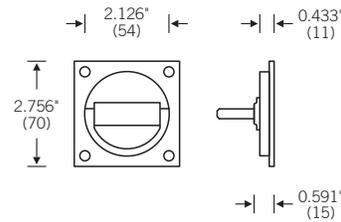
Minimum 2¼" doorthickness.



4204

■ Aluminum

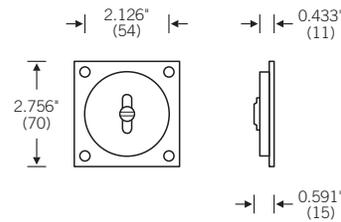
European sliding door locks with 8 mm □ spindle as standard.



4204 9000

■ Aluminum ●

Set with Indicator outside and Emergency Release with 8 mm □ Spindle.



4204 9001

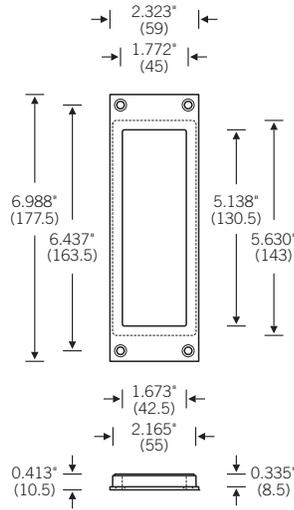
■ Aluminum ●

Set with Indicator outside and Emergency Release with 5 mm Diamond Spindle.

Boreholes for 3.5 mm
countersunk Screws

Flush Pulls for Locking Doors

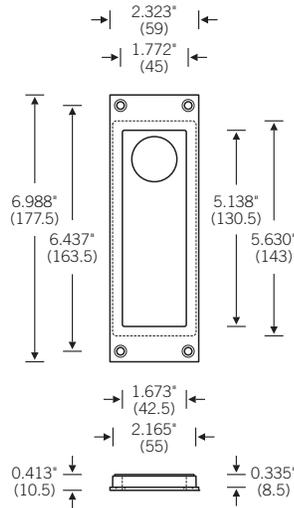
● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)



4210 9000

■ Aluminum ●
■ Stainless Steel ●

Passage



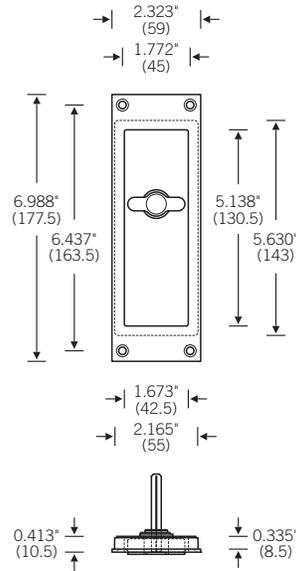
4210 9001

■ Aluminum ●
■ Stainless Steel ●

Cylinder Hole

Flush Pulls for Locking Doors

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)

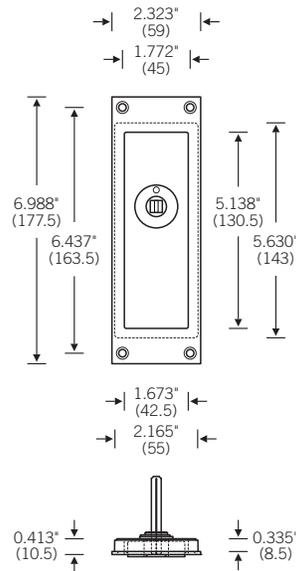


4210 9002

- Aluminum ●
- Stainless Steel ●

Thumbturn

With 5 mm Diamond Spindle



4210 9003

- Aluminum ●
- Stainless Steel ●

Privacy Set

Set with Indicator outside and
Emergency Release with 5 mm
Diamond Spindle.

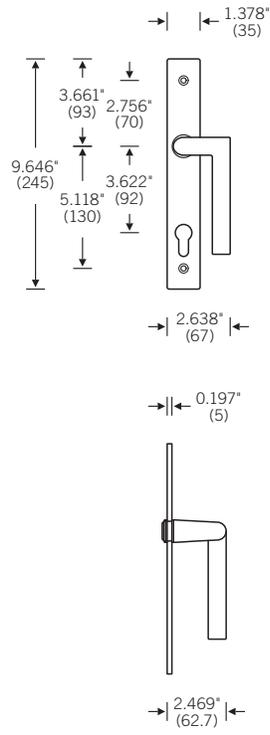
4210 9004

- Aluminum ●
- Stainless Steel ●

Privacy Set with
8 mm □ Spindle.

Lever/Plate for Entry Sliding Door Lockset

● Stock Items
(in Satin Stainless Steel)



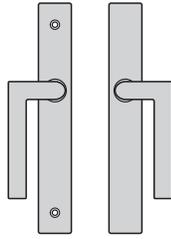
7000 037x

Lever and Escutcheon Plate for Entry Sliding Door Lockset ●

Lever/Plate Combinations

7000 0376

Left Hand
Visible Fixing



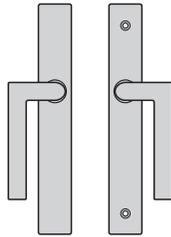
7000 0370

Right Hand
Concealed Fixing



7000 0374

Left Hand
Concealed Fixing



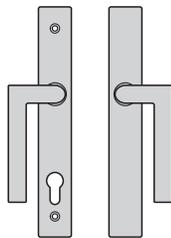
7000 0372

Right Hand
Visible Fixing



7000 0377

Left Hand
Visible Fixing
PZ-Keyhole



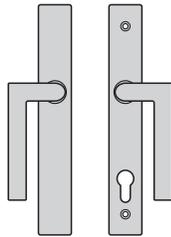
7000 0370

Right Hand
Concealed Fixing



7000 0374

Left Hand
Concealed Fixing



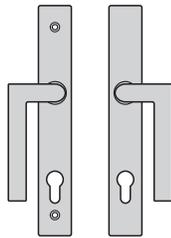
7000 0373

Right Hand
Visible Fixing
PZ-Keyhole



7000 0377

Left Hand
Visible Fixing
PZ-Keyhole



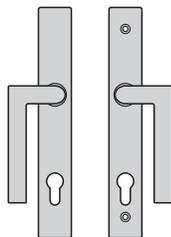
7000 0371

Right Hand
Concealed Fixing
PZ-Keyhole



7000 0375

Left Hand
Concealed Fixing
PZ-Keyhole



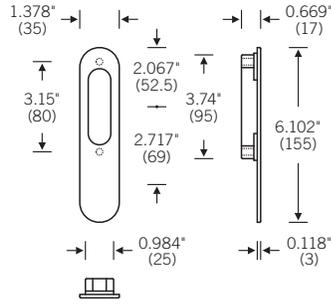
7000 0373

Right Hand
Visible Fixing
PZ-Keyhole



Flush Pulls for Lift Slide Handles

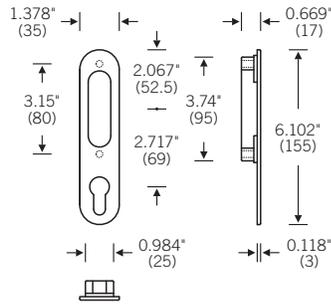
● Stock Items
(in Satin Stainless Steel)



4215 00

■ Stainless Steel ●

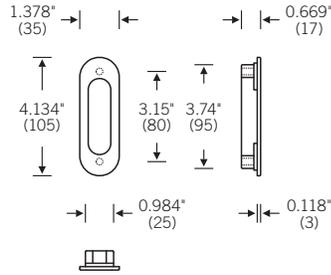
Flush pull without keyhole



4215 02

■ Stainless Steel

Flush pull with PZ-keyhole



4215 10

■ Stainless Steel ●

Flush pull without keyhole

Lift Slide Handles

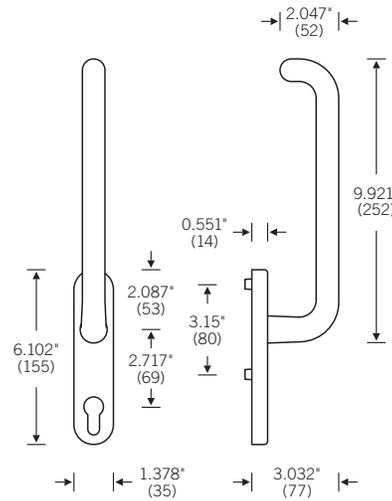
● Stock Items
(in Satin Stainless Steel)

3750 11xx

■ Stainless Steel

Sliding patio door handles
incl. mechanism
turnably fixed
concealed fixing
10 mm □-spindle
Fixing M6

Can be combined with general European "lift-slide" locks with 10 mm hub.
Ideal for large glass doors.

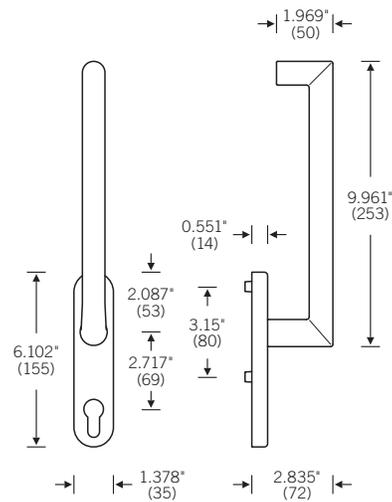


3750 12xx

■ Stainless Steel ●

Sliding patio door handles
incl. mechanism
turnably fixed
concealed fixing
10 mm □-spindle
Fixing M6

Can be combined with general European "lift-slide" locks with 10 mm hub.
Ideal for large glass doors.



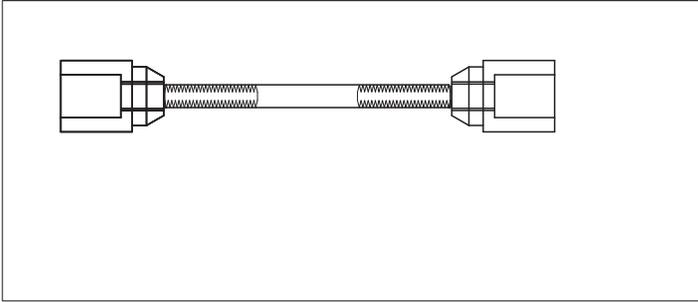
Lift slide handles are available:

- xx = 00 (without keyhole, concealed through-bolted fixing)
- xx = 01 (with PZ-keyhole, concealed through-bolted fixing)

- xx = 02 (without keyhole, concealed surface mounted fixing)
- xx = 03 (with PZ-keyhole, concealed surface mounted fixing)

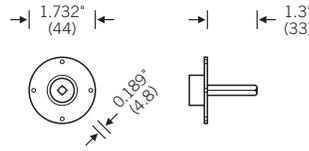
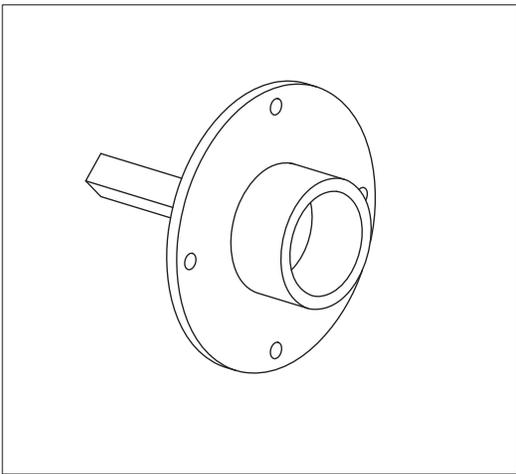
Alignment Tools North American Cylinders

● Stock Items



0423 9000

Alignment tool for proper installation of FSB Roses.

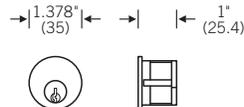


0423 9001

Alignment tool for proper installation of FSB Thumbturns.

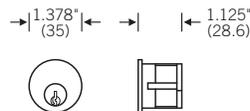
Proper alignment of the FSB thumbturn subrose over the hub of the mortise lock or tubular latch is critical. Mis-alignment of the subrose can result in deadbolt malfunction once the thumbturn is snapped in place.

Since the subroses for thumbturns and indicators are not through-bolted, it is critical to use the alignment tool to mark the locations of the screws before installing the subrose.



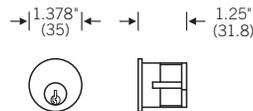
8806 7165

Length 1" (25.4 mm) ●



8806 7185

Length 1.125" (28.6 mm) ●



8806 7205

Length 1.25" (31.8 mm) ●

FSB mortise cylinders are supplied (keyed differently) and are available in the 4 finishes below.

FSB mortise cylinders may be master-keyed up to 4 levels upon special request.

FSB mortise cylinders are machined from solid brass bar stock. Thread size is 1.15" x 32 UNS.

Keyway

"C-type", 5 pin (6th hole provided in 7185 and 7205).

Cap Finishes

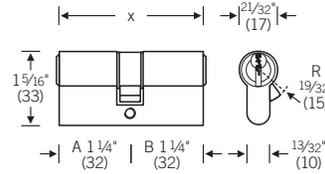
- US 28 (matches FSB 0105) Aluminum Natural Color Anodized
- US 32D Satin Stainless Steel
- US 10B Dark Bronze
- US 3 Bright Brass

Cam Types

- SC1 (straight cam); used for all standard backset mortise locks without a deadbolt and all narrow backset mortise locks
- SC19 (clover cam); used for all mortise locks with a deadbolt

European Profile Cylinders (PZ)

● Stock Items
(in Natural Color Aluminum
and Satin Stainless Steel)

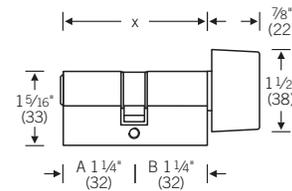


8812 00xx

xx = 64 (64 mm) for 1 3/8" – 1 3/4"
door thickness ●

xx = 70 (70 mm) for 2 – 2 1/4"
door thickness ●

Key × Key



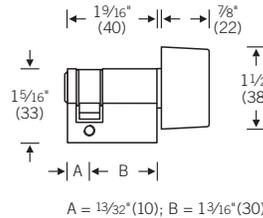
8812 01xx

xx = 64 (64 mm) for 1 3/8" – 1 3/4"
door thickness

xx = 70 (70 mm) for 2 – 2 1/4"
door thickness

Key × Thumbturn

Thumbturn: Aluminum ●
 Stainless Steel ●

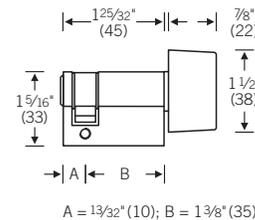


8812 0230

Cylinder length 1 9/16" (40 mm)

1/2 Cylinder Thumbturn only

Thumbturn: Aluminum ●
 Stainless Steel ●



8812 0235

Cylinder length 1 25/32" (45 mm)

1/2 Cylinder Thumbturn only

Thumbturn: Aluminum ●
 Stainless Steel ●

Keyway

"C-type" 5 pin on each side and are supplied keyed alike (up to 20) as standard. May be master keyed on special request.

Keys

Nickel plated brass, supplied with two keys per cylinder.

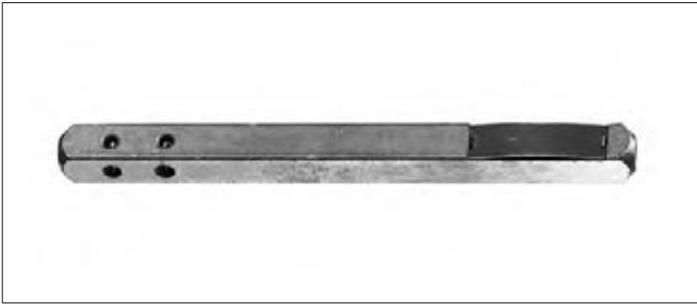
Cylinder Finish

Nickel plated brass only.

Thumbturn and Finishes

- 1744 turnpiece only
- US 28 (matches FSB 0105)
Aluminum Natural Color
Anodized
- US 32 D (matches FSB 6204)
Satin Stainless Steel

FSB Straight Spindle



0156 0822
 $\frac{5}{16}'' \times 3 \frac{17}{32}''$ (8 × 90 mm)

0156 0827
 $\frac{5}{16}'' \times 4 \frac{1}{16}''$ (8 × 103 mm)

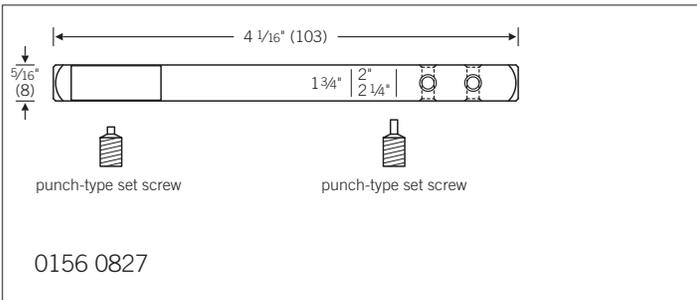
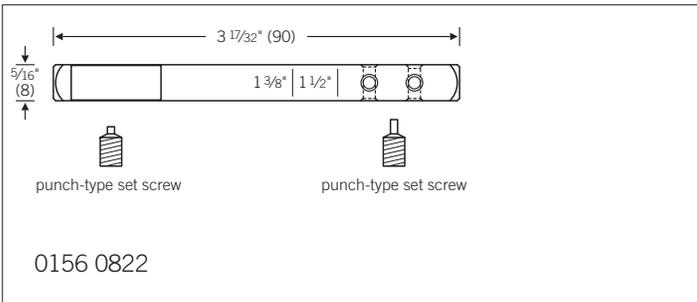
0156 0830
 $\frac{5}{16}'' \times 4 \frac{11}{32}''$ (8 × 110 mm)

0156 0833
 $\frac{5}{16}'' \times 4 \frac{19}{32}''$ (8 × 117 mm)

0156

FSB straight spindle

Straight spindles available for DT (Door Thickness) up to $3 \frac{3}{4}''$ (95 mm) on request.



Installation Instructions for FSB Straight Spindles (0156)

1. Once the lock or latch has been properly fitted, remove the punch-type set screw from an FSB lever handle, insert the pin end of the FSB straight spindle up to the marking for the appropriate door thickness (DT), replace the set screw with the pin-type set screw provided with the straight spindle and tighten until the head of the set screw is lying flush with the surface of the handle shank.

Note: Ensure that the spring plate is in the same orientation as the initial set screw, facing out toward the leading edge of the door, to receive the opposite lever and punch-type set screw.

2. Firmly insert the FSB lever handle with spindle attached through the hub of the lock. Thereafter fix the opposite handle over the inside end of the straight spindle while at the same time pressing the already fitted handle against that face of the door. Tighten punch-type set screw until the spring plate is pierced. This screw should now be lying flush with the surface of the handle as shown on the left page.

3. Once the lever handle set has been fitted, test the action several times by opening and closing the door. The lock spring is designed to return the handle to the horizontal position after operation. If the handle works stiffly, the fixing process should be repeated replacing or reversing the spindle's spring plate.

When ordering a standard FSB lockset or latchset, provide the appropriate door thickness to get the correct spindle length. To select the appropriate spindle separately please consult the spindle charts on the next page.



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