

FSB North America

Catalog / Price Book

2025 - Version 001







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Lever 1023 pictured

Franz Schneider Brakel

A gripping story that's none too short.



Getting a grip on architecture: It's in your hands.

FSB has grown from a manufacturer focused on designing handles that are comfortable to the hand into a company that has taken our “hand culture” and extended the concept of linking architecture to people with all our products. Today we combine our levers with high quality locksets for swinging and sliding doors, door pulls for glass, wood and metal doors, hinges, bathroom accessories, and a host of supporting hardware in matching styles and finishes.

A capacity for technological innovation, for reflecting critically upon what we do, and also for delivering at the cultural level is part and parcel of the way we see ourselves. Taking our products made in Germany and integrating with high quality electrified and mechanical locking devices for the North American market is a natural extension of our European heritage. Thus it comes as no surprise that our design solutions set the standard for noted architects here and the world over when the emphasis is on style.

Design for doors, windows — museums

Architecture brands began to emerge during West Germany's “economic miracle” of the 1950's. Design and architecture, which had gone into retreat with the closure of the Bauhaus and the turmoil of the war, were now revived.

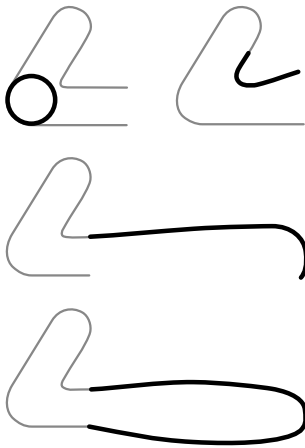
The spirit of Bauhaus was now evident in design from furniture to architecture. Dieter Rams started pulling the (design) strings at Braun and authored products whose styling has now become the blueprint for a Californian company with an apple as its logo.

The debate about “good form” was joined by FSB too, decisively so in the decade between 1953 and 1963. Johannes Potente created his seminal molded-to-the-hand style that is still applicable today. Inspired by Potente, Otl Aicher created his “Four-Point Guide to Good Grip” which is still applicable today. Specialists and the general public caught on to Johannes Potente's unsung industrial design in a big way after his death, when his work joined important collections of models such as the permanent exhibition at the Museum of Modern Art in New York.

Publishers with a sideline in door handles

While steadily growing our design excellence, we have never ceased refining our manufacturing processes. An ongoing policy of modernizing and optimizing production has joined with our predilection for using materials such as stainless steel, bronze, and aluminum to insure our products offer lasting beauty and pleasure. Publishers with a sideline in door handles

We again took our future into our own hands in the 1980's. Under the intellectual guidance of designer Otl Aicher, we



subjected our activities to critical analysis and in the process came up with a series of guiding principles that are still valid today. A fundamentally new design culture was born that, as well as addressing itself to the company's origins and tradition, is also rooted in the cultural history of handles

in particular and the concept of holding things in general.

Mr. Aicher devised his "Four-Point Guide to Good Grip, for us, which states that any good handle will feature a thumb rest, a forefinger furrow, support for the palm, and sufficient gripping bulk. As an outcrop of the process of critical analysis and re-orientation was the edition of books that now are part of the standard repertoire of some college design programs.

Otl Aicher "rewarded" us for our analytic mindset by producing the stylized-handle logo so popular amongst handle culture enthusiasts today for FSB. It was inspired by a handle as simple as it was clever which the philosopher Ludwig Wittgenstein designed for the house built between 1926 and 1928 in Vienna for his sister.



"A rod only becomes a lever through the nature of its use", is how Wittgenstein summed up the simplicity underpinning his design. His handle was something of an ideal for Otl Aicher. He viewed it not as an optimum moulded-to-the-hand design but as a handle for all conceivable forms of

operation – including with one's little finger. It is the sum of all handles, their quintessence. A fitting logo for us as we see it.

Names wanted (but not for dropping)

Our legendary Door Handles Workshop held in 1986 at our facility in Brakel, Germany was attended by celebrities such as Mario Botta, Peter Eisenman, Hans Hollein, Alessandro Mendini, and Dieter Rams sent out quite a shock wave.

Even those who had previously managed to grasp the world without FSB were soon cognizant with the workshop findings. Overnight, a product that had long been considered of little interest was turned into a design theme by one of the first "name design" projects. Noted architects and designers now started to apply lock designs to support their creative visions.

It all started with cabinet fittings

FSB was originally located not in B for Brakel but in Iserlohn where Franz Schneider set up shop in 1881 as a maker of antique-style brass cabinet fittings. Exceedingly modern at the time - our founder was good at catering to prevailing trends: by the turn of the century his product offering already filled a handy catalogue. 1909 saw the company's home move from a provincial town in the Sauerland to one in eastern Westphalia. Franz Schneider promptly added B for Brakel to his initials and the proud FSB brand was born. Then as now, a key focus of its trade concerned classic hardware for doors and windows.



FSB Handmade

Custom Hardware That Brings Your Designs To Life

Invariably unique – whether one-off or serial. Whatever the type of premises involved – studio apartment, Wall Street office, or boutique hotel – you can put your product idea to effect with us and place yourself on an equal footing with luminaries such as Jasper Morrison, David Chipperfield or Christoph Ingenhoven. Virtually limitless diversity and design latitude!



Series design, material to order

We stock fittings in many designs, manufacturing them in materials that – as we see it – set them off rather well. We can produce each model in your preferred material and surface finish as you wish. You can choose between Aluminium, Stainless Steel, and Bronze.

(Right: Design in Bronze by Fawad Kazi)



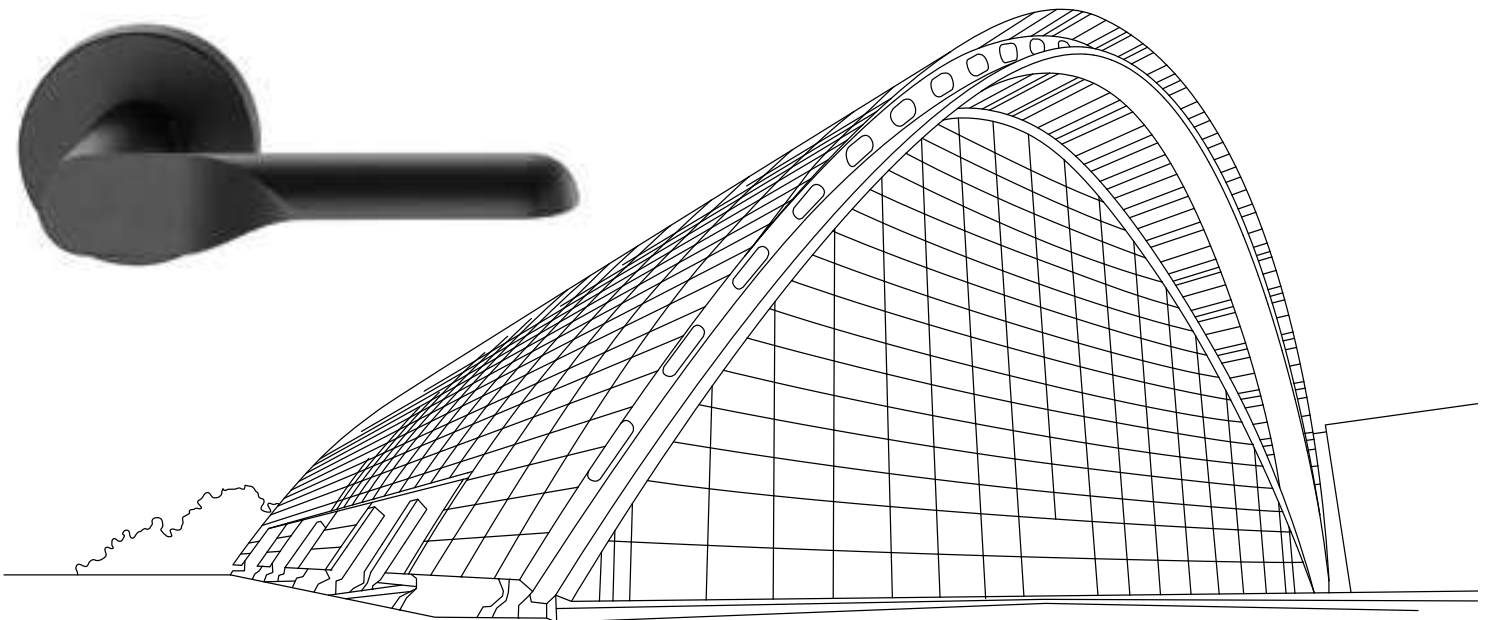
Help shape the FSB range

Taken together, our various hardware ranges are the perfect answer for all types of doors and windows in your building. Maybe you require a fitting for a special application that may not currently be found in our standard product range. That's no cause for compromise! We will manufacture the product to suit you, thus guaranteeing a consistent fit-out for all the host surfaces involved.



Design follows architecture

However you go about it, your ideas will come to fruition with FSB, assuming they are technically feasible. Making a reality of just the right design for a given building or setting is very much in your hands.



Terms and Conditions

Prices

Please note that all list prices given in this guide are in US dollars.

Freight

F.O.B. Connecticut

Terms

United States and Canada:
Payment in full required within 30 days.

All other International:
Payment in full required at time of order.

Acknowledgements

When FSB North America receives an order an "Order Acknowledgment" is issued to the customer which details the order and gives the expected shipment date. Please check the items and pricing on the acknowledgement thoroughly to ensure accuracy.

Failure to review the order acknowledgement may cause extensive delays in your order.

Returns

Custom special order products are not returnable.

All other products, provided goods are in saleable condition, FSB North America accepts returns of stock items for a restocking charge of 45% with a \$75.00 minimum.

Please contact FSB North America in writing for a "Return Goods Authorization" (RGA). Goods are only credited if a customer has been issued a RGA and the goods are received in saleable condition. Once the goods are received, inspected, and approved for return, FSB North America will issue a credit memo, which can be applied to your next payment. If the items are not returned within 45 days, the RGA is voided.

Order Cancellations

FSB will do our best to accommodate order changes and or cancellations prior to production. Orders in production cannot be modified or cancelled.

Minimum Order Size

There is a \$75.00 minimum order requirement. Orders for parts will be allowed below the minimum order size but will be invoiced at full list price. No discount will apply.

Standard Discount

Standard discount is 50% off current published list price. All parts are sold at standard discount regardless of customer buying program.



Mechanical Product Warranties and Liability

1. All goods sold are warranted to be free from defects in material and workmanship, the foregoing comprise seller's sole and entire warranty provided:

a) The Company has been notified within the time frame from the purchase date from FSB as listed under "Term" in the chart below, and been given the opportunity of inspection by return of any alleged defective Product to the Company, free and clear of all liens and encumbrances, transportation prepaid, accompanied by the statement of defects and proof of purchase: and

b) The Product has not been modified, abused, misused, or improperly installed, maintained and/or repaired during such period. All other warranties, written or oral, expressed or implied, and including but not limited to warranties of merchantability or fitness for intended purpose, are expressly excluded.

2. Seller's sole obligation under these warranties, during the period after date of manufacture as listed below, shall be to issue credit, repair or replace any item or part thereof, which is proved to be other than as warranted. Seller shall have the sole right to determine whether such parts shall be repaired or replaced or whether credit shall be issued. No allowances shall be made for any labor charges for replacement of parts, adjustments or repairs, or any other work. In no event shall seller be liable for collateral or consequential damages.

3. We do not warrant against defects caused by improper installation nor against the consequences of uses for which our products were not designed, especially if an FSB lever handle is used with a non-FSB component part such as a mortise lock

or tubular latch other than recommended. Our warranty shall only apply if, and to the extent that the purchaser can show that the FSB Product itself was defective and the defect was not related to alteration or to adverse effects of such use with a non-FSB Product or components. All doors and frames to be prepared in accordance with the appropriate FSB template.

4. If goods are claimed to be other than as warranted, seller, upon notice promptly given, will either examine the goods at the buyer's site or issue shipping instructions for return to seller (transportation costs prepaid by buyer). These warranties shall not extend to any goods or parts thereof which have been subjected to misuse or neglect, damage by accident, rendered defective by reason of improper installation or by the performance of repairs, modifications or attachment to other products outside of seller's plant.

Care/Cleaning

Stainless steel needs to be cleaned for aesthetic considerations and to preserve corrosion resistance. Stainless steel is protected from corrosion by a thin layer of chromium oxide. Oxygen from the atmosphere combines with the chromium in the stainless steel to form this passive chromium oxide film that protects from further corrosion. Any contamination of the surface by dirt, or other material, hinders this passivation process and traps corrosive agents, reducing corrosion protection. Thus, some form of routine cleaning is necessary to preserve the appearance and integrity of the surface. Stainless steel surfaces thrive with frequent cleaning because there is no surface coating to wear off. A soft cloth and clean warm water should always be the first choice for mild stains, loose dirt and soil. For more aggressive cleaning, a small amount of vinegar can be added to

warm water. A final rinse with clean water and a dry wipe will complete the process and eliminate the possibility of water spots. Cleaning with solutions containing chlorine, such as acetone, methyl alcohol, and mineral spirits must be avoided.

Brass and Bronze are both copper alloys (Brass is copper and zinc, Bronze is copper and tin) and when exposed to air and moisture, they will develop a greenish layer of build-up on its surface called patina. While this darkened finish does add character to the brass and bronze, some consider it unsightly, and would prefer their bronze to look clean and shiny. To clean the patina, rinse the brass or bronze with warm water and dry thoroughly to remove dust and particles. Mix two tablespoons of baking soda and a teaspoon of lemon juice until a soft paste forms. Wearing rubber gloves apply the paste with a polishing cloth and rub in small circular motions and repeat until the desired effect is reached. Let sit for 20 to 30 minutes and then rinse with thoroughly with warm water to remove the paste. Buff dry with clean towel. If patina still remains repeat process. Cleaning with solutions containing chlorine, such as acetone, methyl alcohol, and mineral spirits must be avoided.

Aluminum is the earth's most abundant metal element and is used for a wide array of applications ranging from aircraft skins to baseball bats. Anodizing provides aluminum a very durable, corrosion resistant, and long lasting finish. To clean, squeeze one or two drops of mild dish washing detergent into a cup of water. Apply the soapy water to a sponge and scrub the aluminum surface vigorously. Rinse the anodized aluminum surface with clean water and then dry it with towels. Cleaning with solutions containing harsh acidic or alkaline cleaners as they may destroy your finish and should be avoided.

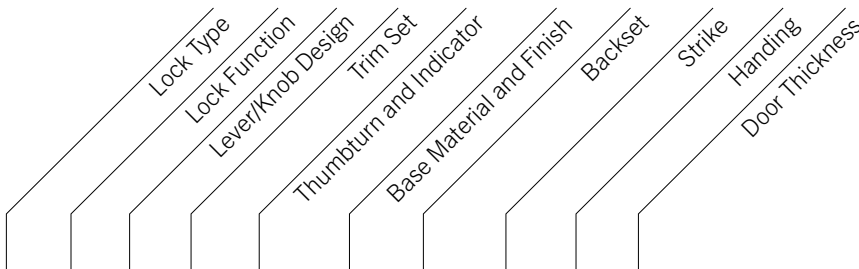
Mechanical Product	Description	Term
SML, NML Mechanical	Mortise Locks	10 years
EML Mechanical	Mortise Locks	5 years
HLL, HDD, KDD Mechanical	Tubular Latches and Dead Bolts	3 years
SDL, SPL, SLL Mechanical	Sliding Door Locks	5 years
ESL, EPL, ESN Mechanical	European Sliding Door Locks	3 years
EGS, EGR, EGC Mechanical	European Glass Door Locks	3 years
Electrified Locks	All Electrified Locks and Components	3 years
MDD Deadbolt	Mini Mortise Deadbolt	1 year
Hinges		2 years

Ordering Guidelines

To place an order direct with FSB North America please email orderdesk@fsbna.com
You can also watch a video on how to create an FSB Ordering String on our website.
Watch the video by clicking on this link or typing this into your web-browser: bit.ly/FSBvideos

When ordering locksets such as an SML you will use a numbering string as shown in our example below.

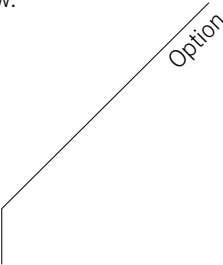
Example: Standard Mortise Lock –SML



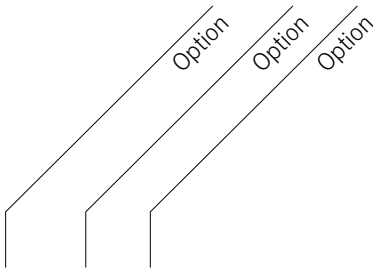
SML-E-1147-RA-SI-6204-234-M1-RH-134

When adding options, use the **bold** codes found in the options area at the end of each pricing section as a suffix.

Using the same example as above, we have added the “Less Cylinder” option designated as **LC** and listed as a suffix to our standard ordering string below.



SML-E-1147-RA-SI-6204-234-M1-RH-134-LC



A more complex example may be as follows:

SML-JEU-1147-RA-6204-234-M1-RH-134-12V-RX-LC

In this example we have ordered an Electrified Storeroom, Fail Secure function lock signified by adding three options, which are **12V** for the electrified voltage (12 or 24 volt are available and must be specified), **RX** for a Request to Exit switch, and **LC** for Less Cylinder. The order of your options is not important.

Materials & Finishes

FSB Hardware is available in 12 standard finishes from our two series of door furniture: Premium and Elements.

Premium Series offers natural stainless steel and bronze finishes. **Elements Series** utilizes aluminum and our state-of-the-art anodizing capability which allows us to offer an assortment of rich, yet rugged colors. We also offer black or

white powder coated colors standard.

We invite you to contact us if you have special color requirements.

Our finishes are listed below showing the base material and the color code for natural, anodized, and plated finishes. On the following pages the finish

illustrations are close approximations of the actual finish. FSB offers physical finish samples should you require this for your decision-making process.

	Base Material	FSB Finish (BHMA Code) [Former US Equivalent]
Premium Series	■ Stainless Steel	■ 6204 Satin (630) [US32D] ■ 6205 Polished (629) [US32]
	■ Bronze	■ 7615 Aged, Waxed (615) ■ 7625 Dark Oxidized, Waxed (613) [US10B]
Elements Series	■ Aluminum Non-Anodized	■ 0013 Aluminum Pure, Natural
	■ Aluminum Anodized	■ 0105 Natural Color (628)
	■ Aluminum Anodized Textured	■ 0510 Medium Bronze Color ■ 0710 Dark Bronze Color (710) ■ 0810 Black Color (711)
	■ Aluminum Powder Coated	■ 8120 Black (671) □ 8220 White (714)
		■ 8876 Light Bronze ■ 8877 Pale Bronze



Premium Series

Stainless Steel

Bronze



6204
Satin
(630) [US32D]



7615
Aged, Waxed
(615)



6205
Polished
(629) [US32]



7625
Dark Oxidized, Waxed
(613) [US10B]

Elements Series

Anodized Aluminum



■ **0105**
Natural Color
(628)

Textured Anodized Aluminum



■ **0510**
Medium Bronze Color



■ **0710**
Dark Bronze Color
(710)



■ **0810**
Black Color
(711)

Powder Coated Aluminum



■ **8120**
Black
(671)



□ **8220**
White
(714)



■ **8876**
Light Bronze



■ **8877**
Pale Bronze

Non-Anodized Aluminum



■ **0013**
Aluminum Pure, Natural



FSB Levers

In this manual, FSB presents its two series of door furniture. The Premium Series is our naturally finished stainless steel and bronze designs, and the Elements Series is comprised of our aluminum anodized finishes.

These lever designs, as well as all complementary trim can be used with our wide selection of American and European locking systems. Many designs also have complementary door pulls that are shown where available.

The material number for stainless steel – similar to ASTM 304 – is: 1.4301, based on DIN 17440.

The material numbers for aluminum – similar to ASTM B179-75 – are:
AlMg3: 3.3541.02
AlMg1: 3.3315
AlMgSi0,5: 3.3206,
all based on DIN 1725.

FSB would like to point out that aluminum is the most recyclable material currently being used to manufacture door hardware.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material the product is available in. For example, if a product is available in aluminum you will find a grey colored box to the right of the product number (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

■ **Stainless Steel**

■ **Bronze**

■ **Aluminum**

Symbol explanations

♿ ADA compliant products


All FSB lever handles are manufactured in compliance with the Americans with Disabilities Act (ADA).

Ⓡ Return Compliant products

Selected FSB lever handles as indicated are designed in compliance with local codes requiring the lever to return to within one-half inch of the door face (i.e. California Title 24).

Lever Overview


Lever

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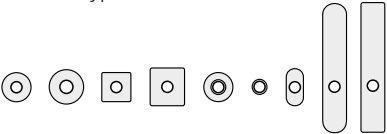
1242 
Page 43




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	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	 Stainless Steel  Bronze	 Aluminum	
Finishes	 6204 (630)  7615 (615)  6205 (629)  7625 (613)	 0013  0510  0105 (628)  0710 (710)  8120  0810 (711)  8220  8876  8877	




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


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


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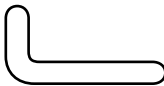
1292   
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XXXX    
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Overview Key

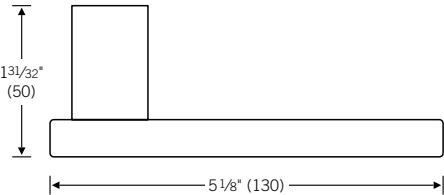
- XXXX - Lever Design Number
-  - Available in Stainless Steel
-  - Available in Bronze
-  - Available in Aluminum
-  - Fire Rated Return
- XX - Clickable link to Lever Page

Thumbnail of Lever Design

	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	 Stainless Steel	 Bronze	 Aluminum		
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0013  0105 (628)  8120  8220	 0510  0710 (710)  0810 (711)  8876  8877	

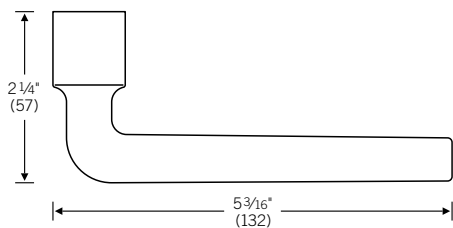


The FSB 1003 door handle, which takes the shape of a slim door, is a model for real aficionados. Johannes Potente took up the design concept and implemented it in aluminium and stainless steel.



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0510 ■ 0105 (628) ■ 0710 (710) ■ 8120 ■ 0810 (711) ■ 8220 ■ 8876 ■ 8877	

David Chipperfield’s design for the FSB 1004 bears the hallmark of the pioneers of modernism. It is based on a clear formal concept which meets all of the functional requirements while giving expression to his formal idea in both public and private spheres.

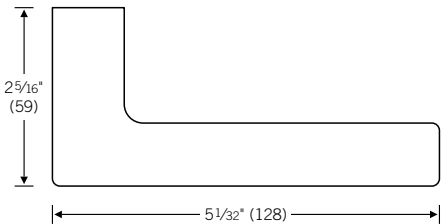


Design: David Chipperfield

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629) ■ 7615 (615) ■ 7625 (613)	■ 0013 ■ 0105 (628) ■ 8120 ■ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

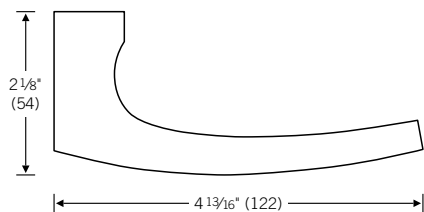


















There are a lot of wedge-shaped door handles. Almost every manufacturer offers its own version of this basic shape. The original design for this door handle was most probably produced by Professor Max Burchartz. The FSB 1005 version by Johannes Potente is characterized by its slender proportions.



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div><div></div>Stainless Steel</div>	<div><div></div>Aluminum</div>	
Finishes	<div><div></div>6204 (630)</div> <div><div></div>6205 (629)</div>	<div><div></div>0013</div> <div><div></div>0105 (628)</div> <div><div></div>8120</div> <div><div></div>8220</div> <div><div></div>0510</div> <div><div></div>0710 (710)</div> <div><div></div>0810 (711)</div> <div><div></div>8876</div> <div><div></div>8877</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

We presume that the basic shape of our FSB 1015 model was conceived in the 1930s by a company called Wehag. This version by Johannes Potente has a very clear handle shape which creates a lot of interest, especially in the Netherlands.



	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	 Stainless Steel	 Bronze	 Aluminum		
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0013  0105 (628)  8120  8220	 0510  0710 (710)  0810 (711)  8876  8877	

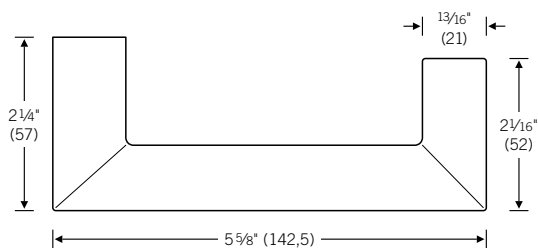
Lever Handle 1016



Fire-rated return with all trim

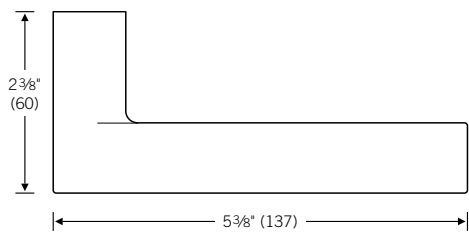
Lever

In 1990, FSB introduced a door handle to the market which originated in the 1920s. The FSB 1076 model has since become the most-copied door handle of the last century. The version shown here, FSB 1016, is a more closed-off counterpart to it.



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	

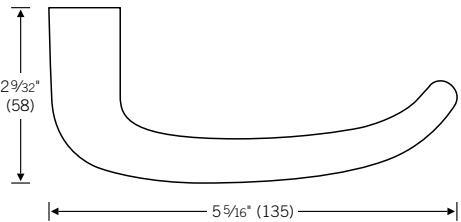
Catalogue No. 6 published by the S. A. Loevy bronzeware factory in the 1930s includes a variety of door fittings by Rachlis, Grenander, Behrens, Wagenfeld and Paul in which a round shank is combined with a flat grip section.



















	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0510 ■ 0105 (628) ■ 0710 (710) ■ 8120 ■ 0810 (711) ■ 8220 ■ 8876 ■ 8877	

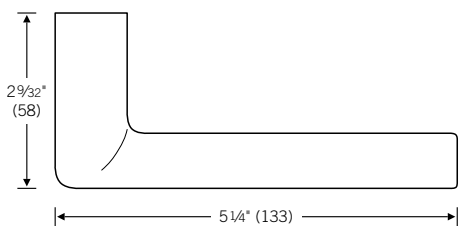


In the 1950s, the Swiss architect, sculptor and designer Max Bill got together with Ernst Moeckel to fashion a door handle that made design history as the “Ulm handle”. From this, Johannes Potente created the 1023 model, which has been an alternative to common U-shaped models ever since.



	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	 Stainless Steel	 Bronze	 Aluminum		
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0013  0105 (628)  8120  8220	 0510  0710 (710)  0810 (711)  8876  8877	

The design parameters of the FSB 1025 are plain to see. A straight grip is joined to the pivotal point on the shank. The handle has a droplet-shaped cross-section. With its no-frills looks, this is a design that offers up its services humbly. The FSB 1025 is brought to life by the way it seems to capture the light along its edges.



Design: Hartmut Weise

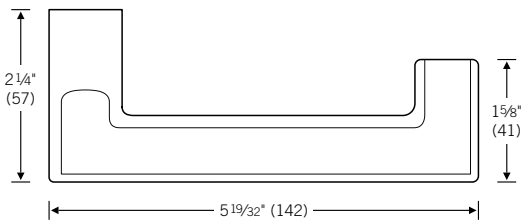
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel		
Finishes	■ 6204 (630) ■ 6205 (629)		

Lever Handle 1031



Lever

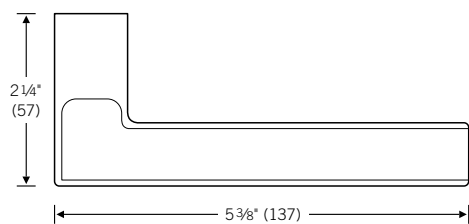
It is not only the return that makes this version of door handle 1035 by Heike Falkenberg different from the original model. Model 1031 also features an inner steel core, creating a larger cross section and a greater grip area.



Design: Heike Falkenberg

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

In the autumn of 1996, Düsseldorf-based interior designer Heike Falkenberg asked FSB to recreate an old handle design for a renovation job. Using the sketch she submitted, FSB’s developers milled a prototype from an FSB 1076 handle. This looked so good that we decided to market our gripping idea.



Design: Heike Falkenberg

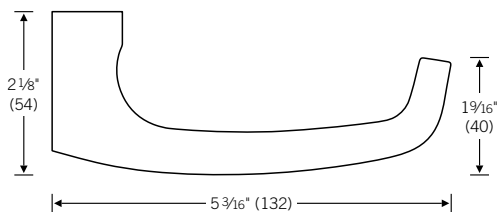
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

Lever Handle 1045



Levers

FSB 1045 is based on FSB model 1015, which was conceived in the 1930s by a company called Wehag. Given the unceasing use of the FSB 1015 model in commercial buildings, we have added a return variant of this design.

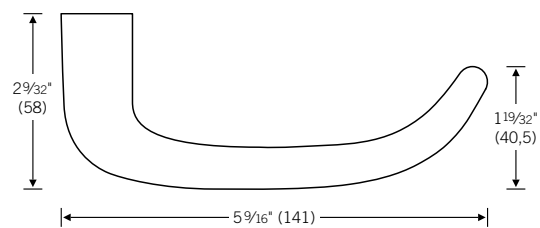


















	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div><div>Stainless Steel</div><div>Bronze</div></div>	<div>Aluminum</div>	
Finishes	<div><div>6204 (630)</div><div>6205 (629)</div><div>7615 (615)</div><div>7625 (613)</div></div>	<div><div>0013</div><div>0105 (628)</div><div>8120</div><div>8220</div><div>0510</div><div>0710 (710)</div><div>0810 (711)</div><div>8876</div><div>8877</div></div>	

Lever Handle 1053



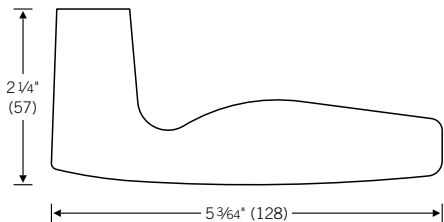
In the 1950s, Swiss architect, sculptor and designer Max Bill got together with Ernst Moeckel to fashion a door handle for the new Ulm Design College building that drew on the handles common on railway carriage doors in Switzerland and has made design history as the “Ulm handle”. 1053 is a slightly reworked version of the 1023.



	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	 Stainless Steel	 Bronze	 Aluminum		
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0013  0105 (628)  8120  8220	 0510  0710 (710)  0810 (711)  8876  8877	



FSB 1058 was Johannes Potente’s favorite model.
FSB 1058 is one of four models designed by Johannes Potente which have been added to MoMA’s permanent collection.



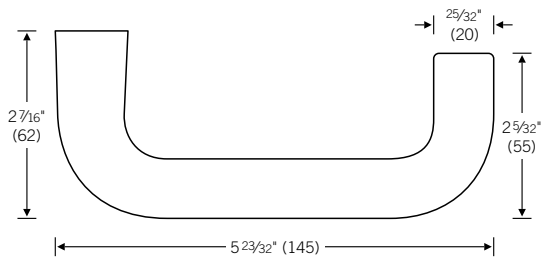
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

Lever Handle 1070

 
Fire-rated return with RP trim only

Levers

This is a handle design that became “really famous” during the period of bright colors in the 1970s. For many architects who were schoolchildren at the time this handle epitomizes the architecture of the age.



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	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 ■ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

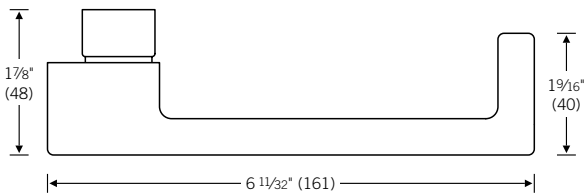
Lever Handle 1074



Fire-Rated return with RP trim only

Lever

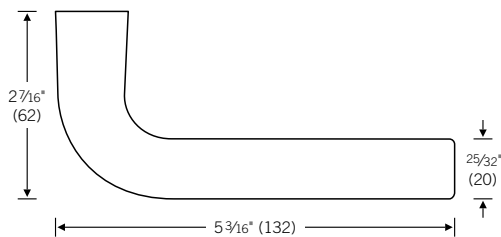
Hadi Teherani delivers the function of a cranked lever handle, while averting the danger of a users thumb hitting the frame, by shifting the handle’s point of rotation leftwards. The designer’s model 1074 sports a similarly radical return to the door: he simply takes a third of the grip section and attaches it to same at right angles.



Design: Hadi Teherani

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0510 ■ 0105 (628) ■ 0710 (710) ■ 8120 ■ 0810 (711) ■ 8220 ■ 8876 ■ 8877	

In the 1920s Mr. Mallet-Stevens mitred two sections of cylindrical tubing together: FSB 1076. Mr. Wittgenstein bent a cylindrical tube: FSB 1147. Messrs Gropius and Meyer married an angled piece of square section material to a handle bushing: FSB 1102. However, we still don't know today who it was that picked up a saw and "liberated" FSB 1147 from its hemispherical tip to create the 1075.



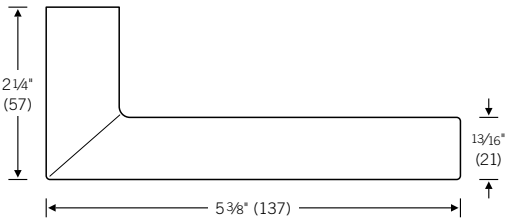
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	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	



The architect Robert Mallet-Stevens (1886 – 1945) was the one who hit upon the idea of cutting a round tube in two and mitring the ends together again at a right angle. His creation is today known as the “Frankfurt Model”. The handle was rediscovered when the Architecture Museum was rebuilt and proceeded to take the market by storm.

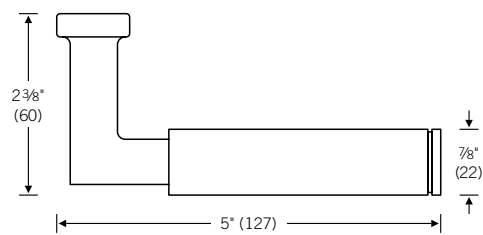


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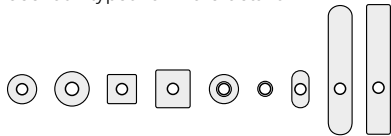
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Bronze	■ Aluminum	
Finishes	■ 7615 (615) ■ 7625 (613)	■ 0013 ■ 0105 (628) ■ 8120 ■ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

FSB 1102 is rooted in Alessandro Mendini's redesign of the celebrated Gropius handle by choosing a different material and adding a groove during one of our design workshops. Owing to the popularity of this design, we now supply FSB 1102 in three materials.



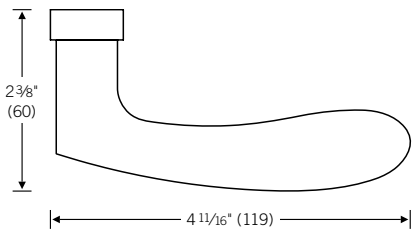
Design: Alessandro Mendini

	Premium Series		Elements Series	Available lever trim options See lock types for more details
Material	Stainless Steel	Bronze	Aluminum	
Finishes	6204 (630) 6205 (629)	7615 (615)	0105 (628)	





The FSB 1106 is characterized by its traditional style which is based on its little brother the 1135. Reworking the form and size of the lever handle gave it the look and feel wanted for rugged applications.

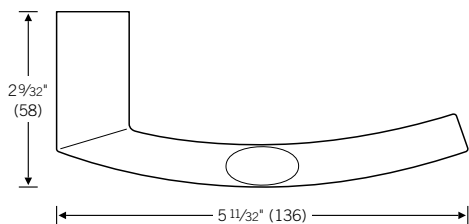


Design: Christoph Mäckler

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0013 ■ 0510 ■ 0105 (628) ■ 0710 (710) ■ 8120 ■ 0810 (711) ■ 8220 ■ 8876 ■ 8877	



FSB 1107 is related to FSB 1108. FSB’s in-house designer Hartmut Weise has imbued his “Brakel Lightweight” with the curve of a door in motion. Matching the door handles for framed doors, it was not a long wait for the return version of the FSB 1107 model.

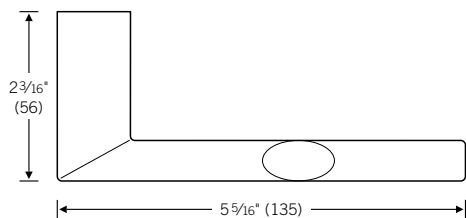


Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	



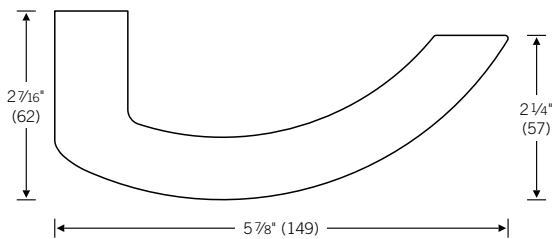
FSB’s in-house designer Hartmut Weise was wondering what gives the “Frankfurt Model” and “Wittgenstein’s Handle” their particular appeal. He jotted down the words “unpretentious presence”. He then produced a plain design that was at the very least on a par with them. The FSB 1108, a round tube combined with a mitred, oval section grip. The “Brakel Model”.



Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	Stainless Steel	Aluminum	
Finishes	6204 (630) 6205 (629)	0013 0510 0105 (628) 0710 (710) 8120 0810 (711) 8220 8876 8877	

FSB 1119 incorporates insights gained by FSB in cooperation with the Fraunhofer Institute. While when producing the FSB 7655 utmost importance was given to the rigorous implementation of ergonomic parameters, for the FSB 1119 formal aesthetic considerations took precedence.

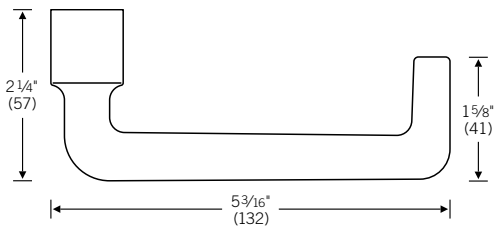


Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	



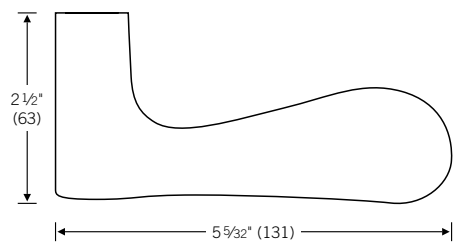
David Chipperfield’s design was influenced by the pioneers of the Modern movement. The simple formal concept was devised to work across all functional variants and to express an architectural philosophy which addresses domestic as well as public spaces.



Design: David Chipperfield

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	

The FSB 1144 door handle is as pleasing to the eye as to the hand. Designer Jasper Morrison lets our eyes know that this door handle is a manual tool. Your eyes relax and your hand takes over. Your thumb finds its place, your forefinger finds its hollow and your hand finds plenty to get hold of. This is precisely what the “Four-Point Guide to Good Grip” drawn up by FSB and Otl Aicher requires.



Design: Jasper Morrison

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0510 ■ 0105 (628) ■ 0710 (710) ■ 8120 ■ 0810 (711) ■ 8220 ■ 8876 ■ 8877	

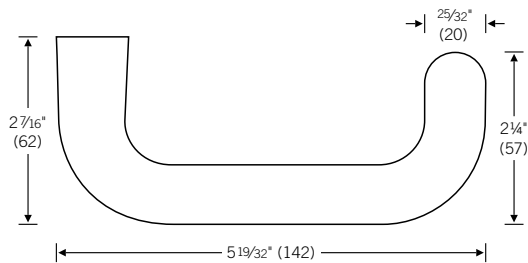
Lever Handle 1146



Fire-rated return with RP trim only

Lever

In the early 1990s we gave the plain round rod of the stable-door handle a going over. The shank was conically widened and a hemispherical tip was added to the bent end. Two small but important special features that have given the FSB 1146 model a character all of its own.

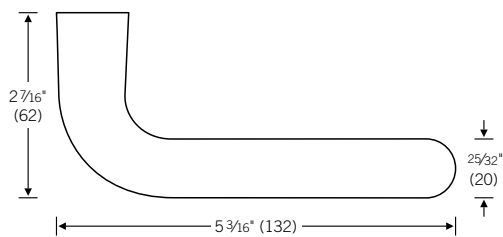


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	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	Stainless Steel	Aluminum	
Finishes	6204 (630) 6205 (629)	0013 0105 (628) 8120 8220 0510 0710 (710) 0810 (711) 8876 8877	

The FSB logo echoes a lever handle designed by the Austrian philosopher Ludwig Wittgenstein in the mid-1920s in Vienna. This is the original upon which all similar door handle shapes are based. By adding a conical shank and spherical tip we aimed to set ourselves apart from the many other variants of this handle on the market.



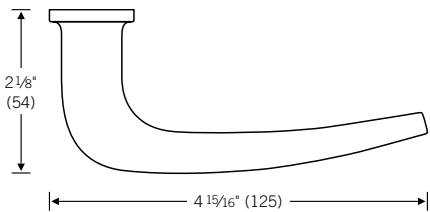
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	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	Stainless Steel	Aluminum	
Finishes	6204 (630) 6205 (629)	0013 0105 (628) 8120 8220 0510 0710 (710) 0810 (711) 8876 8877	



Berlin-based architect Hans Kollhoff devised a handle design for his projects that consciously accommodates design elements from the 1930s. His plain door handles, window handles and window fasteners were immediately adopted as authentic interpretations by the market.

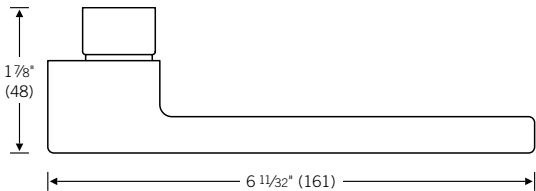


Design: Hans Kollhoff

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	



For framed doors we are familiar with offset handle shapes on the closing side of the door, and standard shapes on the other side, the so-called “Wittgenstein solution”. Hadi Teherani solved the function of the offset handle to avert the risk of skinning your thumb on the door frame, by simply shifting the handle’s axis of rotation to the left.

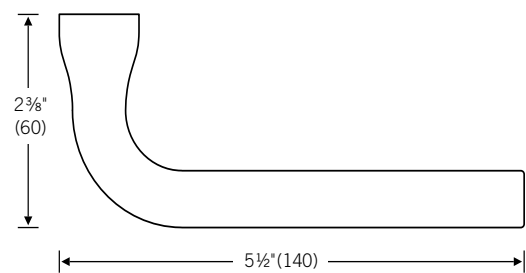


Design: Hardi Teherani

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	Stainless Steel	Aluminum	
Finishes	6204 (630) 6205 (629)	0013 0105 (628) 8120 8220 0510 0710 (710) 0810 (711) 8876 8877	



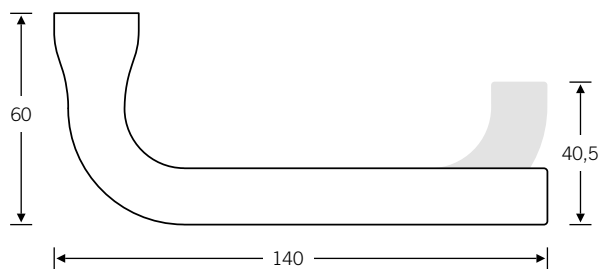
British architect John Pawson subtly varies the vocabulary of an iconic modernist handle – the “Reich Shape” handle by Hans Poelzig – quietly breathing new life into this familiar form. Pawson’s meticulously proportioned design reworks the oval cross-section to produce a handle that is comfortable in the hand and pleasing to the eye – the latest expression of an idea that has been repeatedly modified over the course of nearly a century.



Design: John Pawson

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	

Door handle model 1243 is the return version of design 1242, which was created by British architect John Pawson who subtly revises an iconic Modernist handle – the ‘Reich Shape’ by Hans Poelzig.

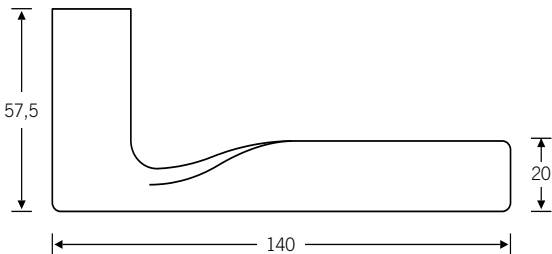


Design: John Pawson

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 □ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	



True to the adage that simple is (usually) best, architectural firm gmp have designed a door handle with particularly pared-down credentials. The FSB 1244 incorporates the simplest of geometric shapes. Its linear front face takes on the curvature of its neck on one end and closes it with a square finish on the other. The grip cross-section is made up of half a circle and half a square, a compound shape that gives the hand something pleasant and substantial to grasp.



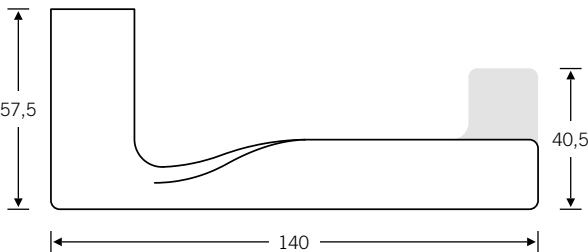
Design: von Gerkan, Marg and Partners (gmp)

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 ■ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	

Lever Handle 1245



Door handle model 1245 is the return version of design 1244 by architectural firm gmp.

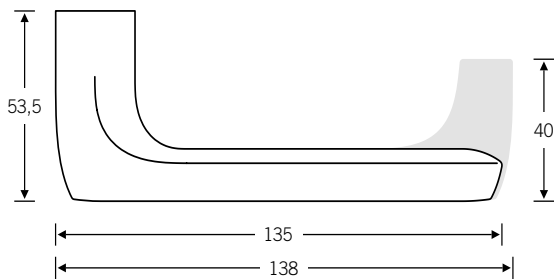


Design: von Gerkan, Marg and Partners (gmp)

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0013 ■ 0105 (628) ■ 8120 ■ 8220 ■ 0510 ■ 0710 (710) ■ 0810 (711) ■ 8876 ■ 8877	



Pared-down design coupled with gleaming ergonomic credentials: the FSB 1246 by GRAFT incorporates style parameters of a wholly new kind. Its narrow radii and generously dimensioned transition curves create points of sculptural momentum and contrast that render the FSB 1246 handle as aesthetically exciting as it is long lived. Its well-proportioned gripping volume is compellingly palpable, while its clean geometric lines make it ideal for any architectural context.



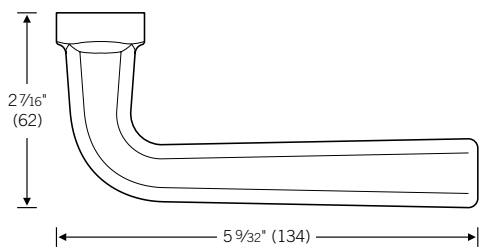
Design:GRAFT

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		Aluminum	
Finishes		<div><div>0013</div><div>0105 (628)</div><div>8120</div><div>8220</div><div>0510</div><div>0710 (710)</div><div>0810 (711)</div><div>8876</div><div>8877</div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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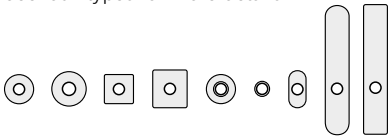
Lever Handle 1254



A study of historical handles led Fawad Kazi to come up with a universal lever handle through a process of rigorous reduction. The FSB 1254 combines the traditional emphasis on substantial grip with an unembellished stylistic approach. The handle's cross section sees circle meet square and embodies classical ideals of architecture.

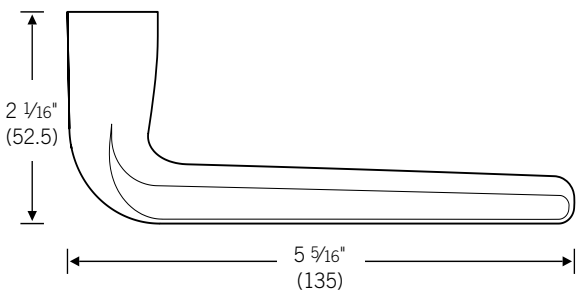


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div><div></div>Stainless Steel</div>		
Finishes	<div><div></div>6204 (630)</div> <div><div></div>6205 (629)</div>		





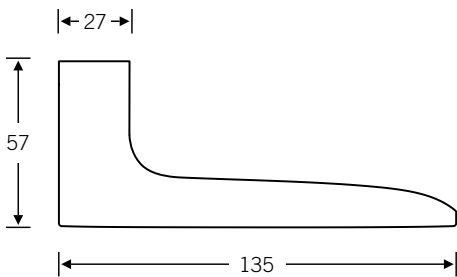
With the centenary of the founding of the Bauhaus, FSB is paying tribute to the revered Ludwig Mies van der Rohe . FSB 1267 is more than just a replica of an original Mies van der Rohe door lever, however. Whilst retaining the formal direction of its forebears, our interpretation also conforms to present-day standards and the requirements of modern architecture.



Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	

The FSB 1289 model by designers Markus Michalski and Michael Schmidt boasts clean lines and modern styling. Its elegant, finely nuanced flow of lines at the front exudes a lean, pared-down shape, while the user’s hand is caressed by well-proportioned curvature on the inside of the lever creating ergonomically pleasing operation.

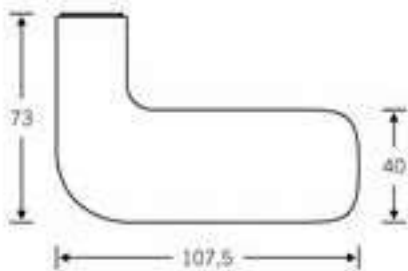


Design: Markus Michalski | Michael Schmidt

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		Aluminum	
Finishes		<div><div>0013</div><div>0105 (628)</div><div>8120</div><div>8220</div></div> <div><div>0510</div><div>0710 (710)</div><div>0810 (711)</div><div>8876</div><div>8877</div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>



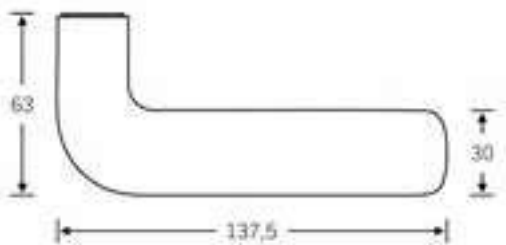
FSB 1291 was the foundation of the product collection by Foster + Partners. The short handle has an especially large surface area that is as appealing to the hand as it is to the eye. The “soft shape” common to all the items in the collection is especially well defined.



Design: Foster + Partners

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	

FSB 1292 is based on the formal principles of FSB 1291 by Foster + Partners, and modifies the proportions of classic door handles. Available in multiple finishes.

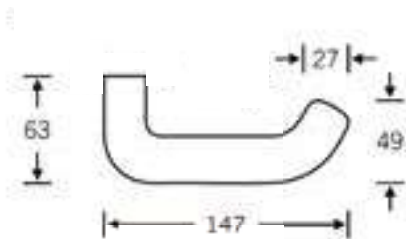


Design: Foster + Partners

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	



FSB 1293 is the return option based on the formal principles of FSB 1292 by Foster + Partners, and modifies the proportions of classic door handles. Available in multiple finishes.



Design: Foster + Partners

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<div>Stainless Steel</div> <div>Bronze</div>	<div>Aluminum</div>	
Finishes	<div>6204 (630)</div> <div>6205 (629)</div> <div>7615 (615)</div> <div>7625 (613)</div>	<div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div>	



Lever 1291 in 0810 Finish



Entrance Sets

ENT Series

Quality

The FSB Entrance Set (ENT) is a Grade 1 mortise lock manufactured in the United States to meet the stringent demands of high-traffic commercial, institutional, and governmental applications. It brings added physical security to the home and is backed by a 10 year limited warranty.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 designer levers and trim that can also be suited with our mortise Entrance set, Standard, Narrow and European mortise locks, tubular locks, sliding door locks, sliding door hardware, and door pulls FSB will complement your design vision.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

■ Stainless Steel

FSB Entrance Sets are only available in Satin Stainless Steel (6204)

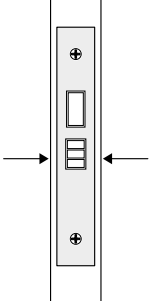
Specifying Entrance Locksets

Entrance Locksets (ENT)

ENT

Lock Type	Lock Function	Exterior Pull Design	Interior Lever Design	Thumbturn
<div>ENT</div> <div>Insert your choice of Lock Type.</div>	<div>B</div> <div>Insert your choice of function using one of the letter codes below.</div>	<div>1035</div> <div>Insert your choice of pull design using one of the four digit codes.</div>	<div>1035</div> <div>Insert your choice of lever design using one of the four digit codes.</div>	<div>S</div> <div>Insert your choice of thumbturn and indicator if necessary using the codes provided.</div>
<div>ENT</div>	<div> <div>B</div> <div>Dormitory</div> <div>H</div> <div>Entrance</div> <div>K</div> <div>Apartment</div> </div>	<div>Premium</div> <div> <div>1035</div> <div>1076</div> </div>	<div>Premium/Elements</div> <div> <div>1003</div> <div>1108</div> <div>1004</div> <div>1119</div> <div>1005</div> <div>1134</div> <div>1015</div> <div>1144</div> <div>1016</div> <div>1146</div> <div>1021</div> <div>1147</div> <div>1023</div> <div>1163</div> <div>1025</div> <div>1183</div> <div>1031</div> <div>1242</div> <div>1035</div> <div>1243</div> <div>1045</div> <div>1244</div> <div>1053</div> <div>1245</div> <div>1058</div> <div>1246</div> <div>1070</div> <div>1254</div> <div>1074</div> <div>1267</div> <div>1075</div> <div>1289*</div> <div>1076</div> <div>1291</div> <div>1102</div> <div>1292</div> <div>1106</div> <div>1293</div> <div>1107</div> </div> <div> <div>* Elements</div> <div>0810 Only</div> </div>	<div>Premium</div> <div> <div>  <div>Standard thumbturn available with roses and escutcheons</div> </div> <div>S</div> </div>

ENT - B - 1035 - 1035 - S - 6204 - 234 - M1 - RH - 134

Material and Finish	Backset	Strike	Handing	Door Thickness
<p>6204</p> <p>Insert your choice of material and finish using one of the codes below.</p> <p>Premium Series Stainless Steel ■ 6204 Satin (630) Both Exterior and Interior Trim</p> <p>Premium/Elements Series ■ ■ 6204/0810</p> <p>6204 Satin Stainless (630) Exterior Pull and Trim</p> <p>0810 Aluminum Black Color Anodized (711) Interior Lever and Trim</p> <p>Note: For Stainless Steel Exterior and Interior use only finish code 6204.</p> <p>For Stainless Steel Exterior and Matte-Black Aluminum Interior use finish code 6204/0810.</p>	<p>234</p> <p>Insert your choice of backset using one of the three digit codes below</p> <p>Standard 234 2¾" Backset</p> <p>Special Order 212 2½" Backset</p>	<p>M1</p> <p>Insert your choice of strike using one of the two letter codes below</p> <p>Spring Latch M1</p> <p>Special Order M2 M3 M4</p>	<p>RH</p> <p>Insert your choice of hand using one of the two letter codes below</p> <p>RH Right Hand RR Right Hand Reverse LH Left Hand LR Left Hand Reverse</p>	<p>134</p> <p>Insert your choice of door thickness using one of the three digit codes.</p> <p>Standard 134 1¾"</p> <p>Special Order 138 1⅝" 200 2" 214 2¼"</p> <p>All sizes over 2¼" thick please consult FSB.</p> 

Entrance Locksets

Series ENT Functions



ENT



Spring Latch

Series ENT

Entrance Mortise Lock

Federal Specifications

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

C-UL-US Listing

File No. R 16617 ENT-Spring Latch

Backsets

2 1/2" (64 mm)

2 3/4" (70 mm)

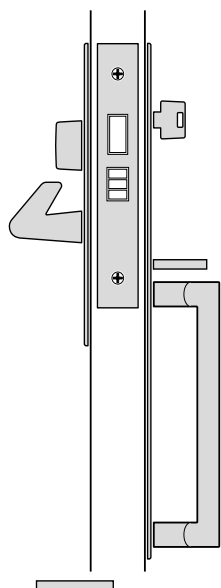
Strikes

See page 65 for standard strike lip to
center information.

Function B

Dormitory

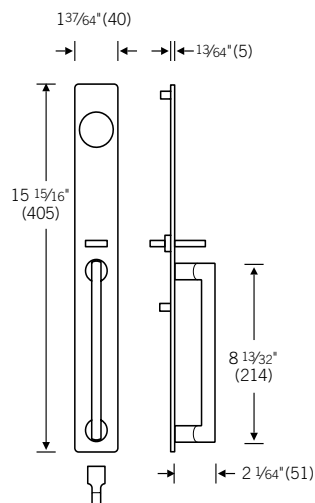
ANSI Code F13



Half Spindle

Set Includes:

- 1 Exterior Escutcheon w/ Paddle & Pull
- 1 Interior Escutcheon w/ Thumbturn
- 1 Interior Lever
- 1 Half Spindle
- 1 Mortise Lock
- 1 Mortise Cylinder
- 2 Screws

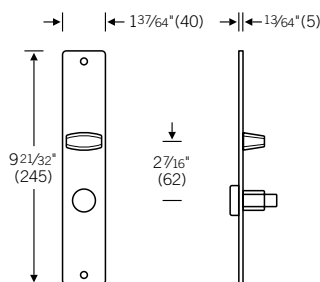


Description

Latch bolt by handle interior, thumb
paddle exterior. Deadbolt by key outside
and thumbturn inside.

Use of inside handle retracts latch and
deadbolt simultaneously, automatically
unlocking outside paddle.

Outside paddle is rigid when deadbolt is
thrown by key or thumbturn.



*Drawings depict 1035 pull for reference

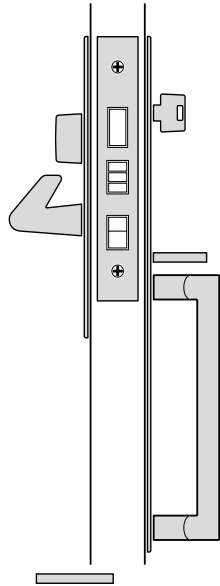
Entrance Locksets

Series ENT Functions

Function H

Entrance

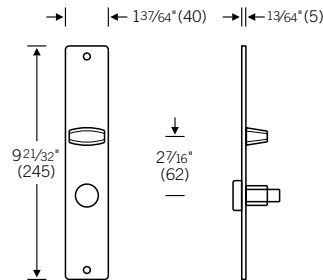
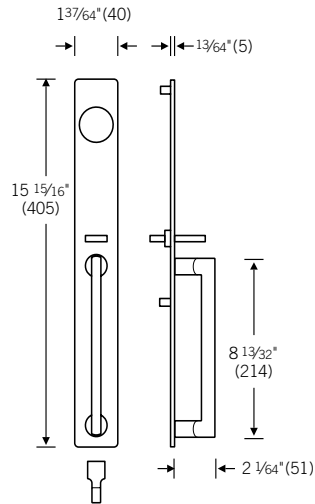
ANSI Code F12



Half Spindle

Set Includes:

- 1 Exterior Escutcheon w/ Paddle & Pull
- 1 Interior Escutcheon w/ Thumbturn
- 1 Interior Lever
- 1 Half Spindle
- 1 Mortise Lock
- 1 Mortise Cylinder
- 2 Screws



*Drawings depict 1035 pull for reference

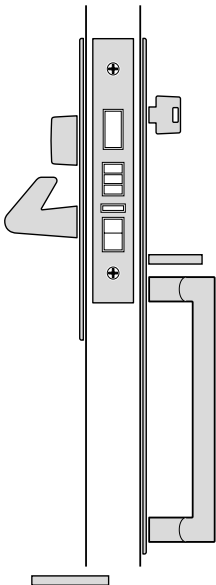
Description

Latch bolt by key outside and handle inside side unless outside paddle is unlocked by toggle. Deadbolt by key outside and thumbturn inside. Inside handle retracts latch and deadbolt simultaneously. Outside paddle is rigid when deadbolt is thrown by key or thumbturn or when toggle is in the lock position.

Function K

Apartment

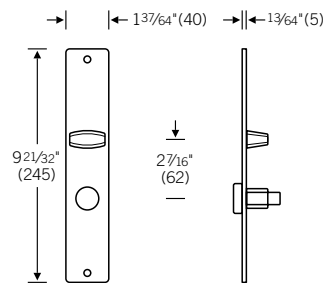
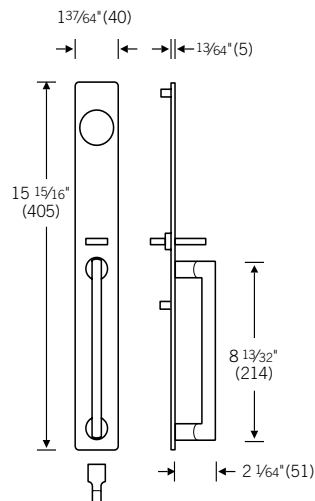
ANSI Code F20



Half Spindle

Set Includes:

- 1 Exterior Escutcheon w/ Paddle & Pull
- 1 Interior Escutcheon w/ Thumbturn
- 1 Interior Lever
- 1 Half Spindle
- 1 Mortise Lock
- 1 Mortise Cylinder
- 2 Screws



*Drawings depict 1035 pull for reference

Description

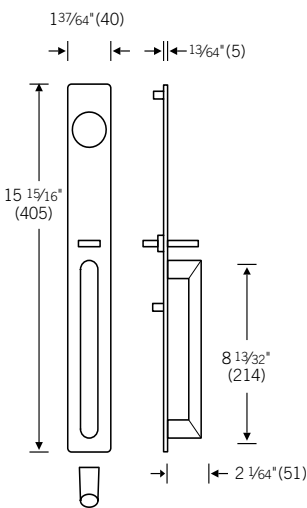
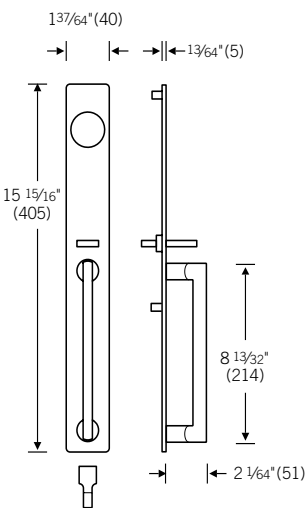
Latch bolt by handle interior, thumb paddle exterior. Deadbolt by key outside and thumbturn inside. Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside paddle. Outside paddle is rigid when deadbolt is thrown by key or thumbturn. Auxiliary latch dead locks latch bolt and prevents manipulation of locked toggle-action stop.

Entrance Exterior Pull Design Options

1035 ■

1076 ■

ENT



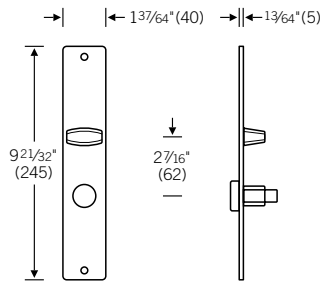
Entrance Interior Plate

ENT

Interior Plate  

9 5/8" (245 mm)

*Includes finish rose and sub-rose



Note: Sets include one of three Exterior Pull Styles (1035, 1076), choice of interior lever (see pricing pages), lock, cylinder, spindle and screws.

Interior trim is only available with standard thumbturn.

6204 Finish Code = Satin Stainless Steel Exterior and Interior

6204/0810 Finish Code = Satin Stainless Steel Exterior and Matte Black Aluminum Interior

Design continuity when paired with levers 1035, 1076



Entrance Locksets

Series ENT Functions



Standard Functions

		Stainless Steel	Stainless Steel
		6204	6204
B	Dormitory	1383	1313
H	Entrance	1433	1363
K	Apartment	1472	1402



Standard Functions

		Stainless Steel	Stainless Steel
		6204	6204
B	Dormitory	1415	1345
H	Entrance	1464	1394
K	Apartment	1503	1433

Note: Sets include one of two Exterior Pull Styles (1035, 1076), choice of interior lever (see pricing pages), lock, cylinder, spindle and screws. Interior trim is only available with standard thumbturn.
 6204 Finish Code = Satin Stainless Steel Exterior and Interior
 6204/0810 Finish Code = Satin Stainless Steel Exterior and Matte Black Aluminum Interior

Entrance Locksets

Series ENT Functions



Standard Functions

		Stainless Steel 6204	Stainless Steel 6204
B	Dormitory	1492	1422
H	Entrance	1542	1472
K	Apartment	1581	1511



Standard Functions

		Stainless Steel 6204	Stainless Steel 6204
B	Dormitory	1571	1501
H	Entrance	1620	1550
K	Apartment	1659	1590

Lock Type
 Function
 Ext. Pull
 Int. Lever
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

ENT-B-1035-1035-S-6204-234-M1-RH-134

Example for Specifying

Entrance Locksets

Series ENT Functions



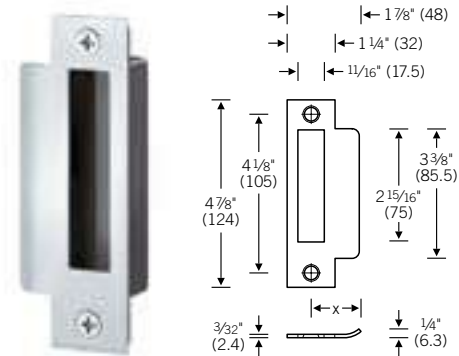
Standard Functions

		Stainless Steel	Stainless Steel
		6204	6204
B	Dormitory	1652	1582
H	Entrance	1702	1632
K	Apartment	1741	1671

SML 1001

SML Series Mortise Strike (ANSI/ASA Strike) with dustbox

Standard **M1** = 1 ¼" (32 mm)



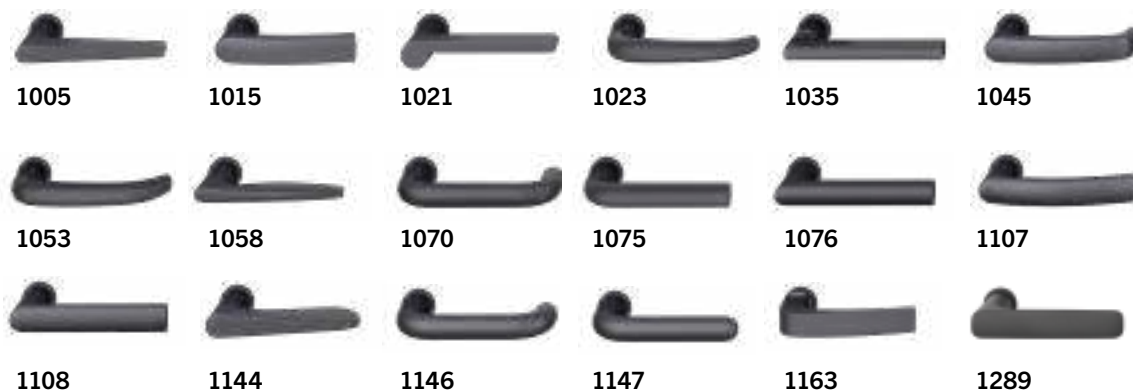
Mortise Strike Number	Lip To Center Dimension (x)	Typical Door Thickness*	ANSI Strike Type
M1	1 ¼"	1 ⅜" - 1 ¾"	Curved Lip (Std.)
M2	1 ⅛"	1 ½"	Curved Lip
M3	1 ⅜"	2"	Curved Lip
M4	1 ½"	2 ¼"	Curved Lip

Note: For custom strike, please call FSB

Lock Type
 Function
 Ext. Pull
 Int. Lever
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

ENT-B-1035-1035-S-6204-234-M1-RH-134

Example for Specifying

**1035****1076**

Standard Functions		Stainless Steel/Aluminum	Stainless Steel/Aluminum
		6204/0810	6204/0810
B	Dormitory	1383	1313
H	Entrance	1433	1363
K	Apartment	1472	1402

Note: Sets include one of three Exterior Pull Styles (1035, 1076), choice of interior lever (see pricing pages), lock, cylinder, spindle and screws. Interior trim is only available with standard thumbturn.

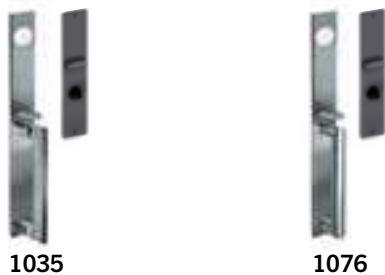
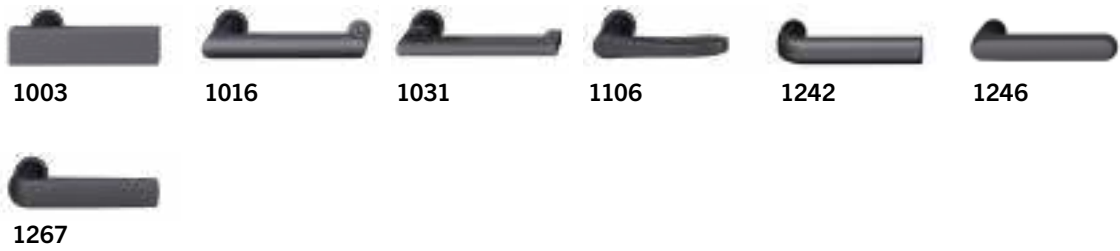
6204 Finish Code = Satin Stainless Steel Exterior and Interior

6204/0810 Finish Code = Satin Stainless Steel Exterior and Matte Black Aluminum Interior

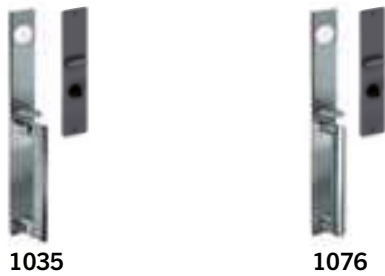
Entrance Locksets

Series ENT Functions

ENT



Standard Functions		Stainless Steel/Aluminum	Stainless Steel/Aluminum
		6204/0810	6204/0810
B	Dormitory	1415	1345
H	Entrance	1464	1394
K	Apartment	1503	1433



Standard Functions		Stainless Steel/Aluminum	Stainless Steel/Aluminum
		6204/0810	6204/0810
B	Dormitory	1492	1422
H	Entrance	1542	1472
K	Apartment	1581	1511

Note: Sets include your choice of interior lever, your choice of exterior pull style, lock, cylinder, spindle and screws.
Trim is only available with standard thumbturn.





Standard Mortise Lock

SML Series

Quality

The FSB Standard Mortise Lock (SML) is a Grade 1 mortise lock manufactured in the United States to meet the stringent demands of high-traffic commercial, institutional, and governmental applications. Built using a heavy-gauge steel case, the lock features a fast field reversible latchbolt and a stainless steel deadbolt. The lock is backed by a 10 year limited warranty.

Magnetic Option

The FSB Magnetic Standard Mortise Lock (SML) is a Grade 1 mortise lock manufactured in the United States to meet the stringent demands of high-traffic applications. Built using a heavy-gauge steel case, the lock features a magnetic latchbolt and a stainless steel deadbolt.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 designer levers and trim that can also be suited with our Entrance, Narrow and European mortise locks, tubular locks, sliding door locks, sliding door hardware, and door pulls FSB will complement your design vision.

FSB Material Identifier






Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

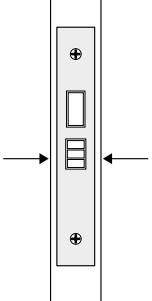
- **Stainless Steel**
- **Bronze**
- **Aluminum**

Specifying Mortise Locksets

Standard Mortise Lock (SML)

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator
SML	E	1147	RA	SN*
Insert your choice of Lock Type.	Insert your choice of function using one of the letter codes below.	Insert your choice of lever design using one of the four digit codes.	Insert your choice of rose or escutcheon using one of the letter codes.	Insert your choice of thumbturn and indicator if necessary using the codes provided.
SML	A Store Door B Dormitory C Passage D Hotel E Privacy G Classroom H Entrance I Office J Storeroom K Apartment N Key x Key Deadlock P Key x Thumbturn Deadlock T Patio Y Active Double Dummy YS Active Double Strike Z Active Single Dummy ZS Active Single Strike Electrified Functions JEU Storeroom Fail Secure JEL Storeroom Fail Safe Magnetic Latch Functions BM Dormitory CM Passage EM Privacy JM Storeroom TM Patio Electrified Locks are 2 3/4" backset standard; available in 2 1/2" backset by quote only.	Premium/Elements 1003 1108 1004 1119 1005 1134 1015 1144 1016 1146 1021 1147 1023 1163 1025 1183 1031 1242 1035 1243 1045 1244 1053 1245 1058 1246 1070 1254 1074 1267 1075 1289* 1076 1291 1102 1292 1106 1293 1107 * Elements Only	Premium/Elements RA Rose 2 3/16" (55 mm) RF Narrow Rose RM Square Rose (55 mm) RP Minimal Rose (30 mm) EC Long Rounded ED Long Rectangular Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.	Premium/Elements  Standard thumbturn available with roses and escutcheons S  ADA thumbturn available with RA, RD, and RM roses D  Crescent thumbturn available with RF Trim only C Premium/Elements Emergency Releases  N  I * Thumbturn and/or Indicator choices are only necessary with the B, D, E, H, K, P, R, S, and T lock functions

SML - E - 1147 - RA - SN - 6204 - 234 - M1 - RH - 134

Material and Finish	Backset	Strike	Handing	Door Thickness
<h2>6204</h2> <p>Insert your choice of material and finish using one of the codes below.</p> <p>Premium Series</p> <p>Stainless Steel</p> <p>■ 6204 Satin (630) ■ 6205 Polished (629)</p> <p>Bronze</p> <p>■ 7615 Aged, Waxed (615) ■ 7625 Dark Oxidized, Waxed (613)</p> <p>Elements Series</p> <p>Non-Anodized Aluminum</p> <p>■ 0013 Pure Aluminum, Natural</p> <p>Anodized Aluminum</p> <p>■ 0105 Natural Color (628)</p> <p>Textured Anodized Aluminum</p> <p>■ 0510 Medium Bronze Color ■ 0710 Dark Bronze Color (710) ■ 0810 Black Color (711)</p> <p>Powder Coated Aluminum</p> <p>■ 8120 Black (671) □ 8220 White (714) ■ 8876 Light Bronze ■ 8877 Pale Bronze</p>	<h2>234</h2> <p>Insert your choice of backset using one of the three digit codes below</p> <p>Standard</p> <p>234 2¾" Backset</p> <p>Special Order</p> <p>212 2½" Backset 334 3¾" Backset 500 5" Backset 600 6" Backset</p>	<h2>M1</h2> <p>Insert your choice of strike using one of the two letter codes below</p> <p>Spring Latch</p> <p>M1</p> <p>Special Order</p> <p>M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13</p> <p>Magnetic Latch</p> <p>M1M</p> <p>Note: All magnetic locks come with a standard no-lip strike, use "M1M" designator.</p>	<h2>RH</h2> <p>Insert your choice of hand using one of the two letter codes below</p> <p>RH Right Hand RR Right Hand Reverse</p> <p>LH Left Hand LR Left Hand Reverse</p>	<h2>134</h2> <p>Insert your choice of door thickness using one of the three digit codes.</p> <p>Standard</p> <p>134 1¾"</p> <p>Special Order</p> <p>138 1⅝" 200 2" 214 2¼"</p> <p>All sizes over 2¼" thick please consult FSB.</p> 

Standard Mortise Locks

Series SML Functions



SML



Spring Latch



Magnetic Latch

Series SML

Standard Mortise Lock

Federal Specifications

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

C-UL-US Listing

File No. R 16617 SML-Spring Latch
UL Listing Pending for SML-Magnetic Latch

Backsets

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

Strikes

See page 103 for SML standard strike lip
to center information.

All magnetic SML come with universal
no-lip strike and magnetic dustbox.

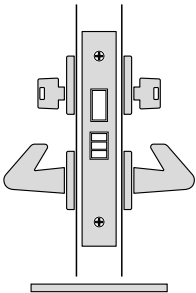
Function A

Store Door

ANSI Code F14

Description

Latch bolt by handle either side.
Deadbolt by key either side.
No emergency egress.



Straight Spindle

Premium and Elements Series Trim Sets

RA



RD



RF



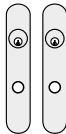
RM



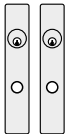
RP



EC



ED



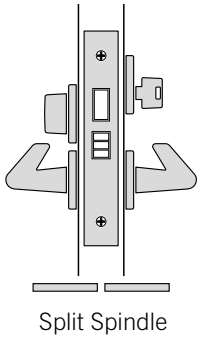
Standard Mortise Locks

Series SML Functions

Function B

Dormitory

ANSI Code F13



Description

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.

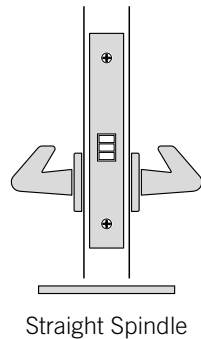
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C

Function C

Passage






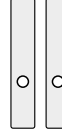

ANSI Code F01



Description

Latch bolt by handle either side.

Premium and Elements Series Trim Sets

RA	RD	RF	RM	EC	ED
					
RP					
					

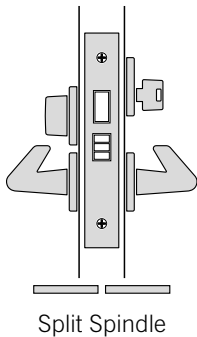
Standard Mortise Locks

Series SML Functions

Function D

Hotel

ANSI Code F15



Description

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.

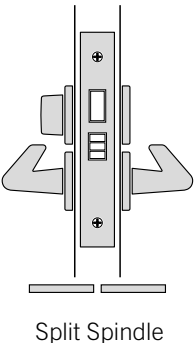
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C

Function E

Privacy

ANSI Code F19



Description

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

Premium and Elements Series Trim Sets

RA-SN/SI	RD-SN/SI	RM-SN/SI	EC-SN/SI	ED-SN/SI
RA-DN/DI	RD-DN/DI	RM-DN/DI	RF-CI*	RP-CI*

*Aluminum finishes only. Stainless available in non-indicator version only

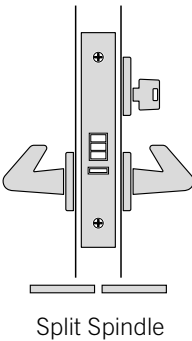
Standard Mortise Locks

Series SML Functions

Function G

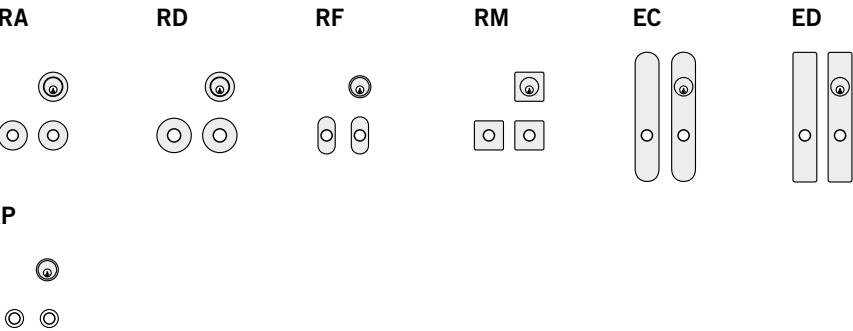
Classroom

ANSI Code F05



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

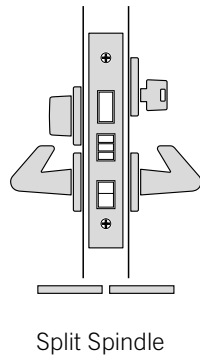
Premium and Elements Series Trim Sets



Function H

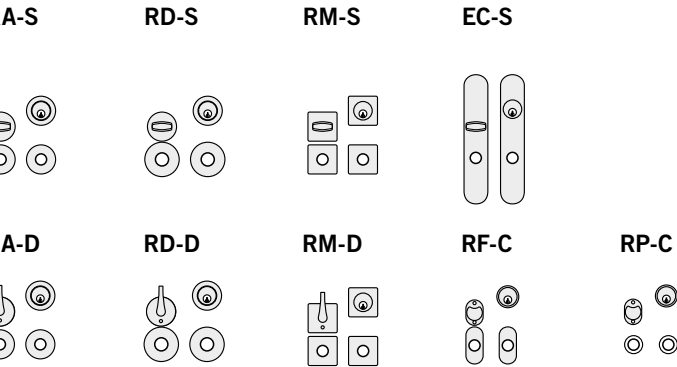
Entrance

ANSI Code F12



Description
 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 simultaneously. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

Premium and Elements Series Trim Sets



Standard Mortise Locks

Series SML Functions

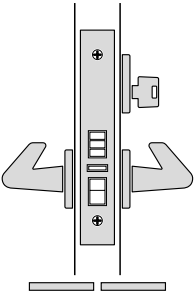
Function I

Office

ANSI Code F04

Description

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



Split Spindle

Premium and Elements Series Trim Sets

RA



RD



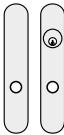
RM



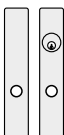
RF



EC



ED



RP



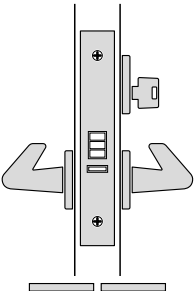
Function J

Storeroom

ANSI Code F07

Description

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



Split Spindle

Premium and Elements Series Trim Sets

RA



RD



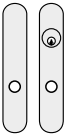
RM



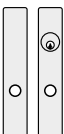
RF



EC



ED



RP



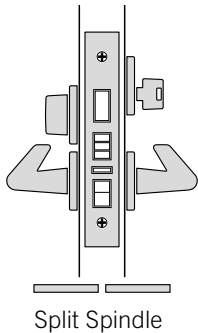
Standard Mortise Locks

Series SML Functions

Function K

Apartment

ANSI Code F20



Description

Latch bolt by key outside and lever either side, unless outside lever is locked by toggle-action stop. Deadbolt by key outside and turn piece inside. Turning inside lever retracts latch and dead bolt simultaneously. Outside lever remains locked until manually unlocked by toggle. Auxiliary latch dead locks latch bolt and prevents manipulation of locked toggle-action stop.

Premium and Elements Series Trim Sets

RA-S



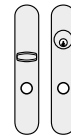
RD-S



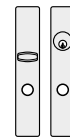
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



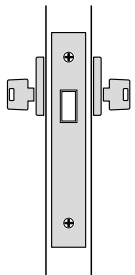
RP-C



Function N

Key x Key Deadlock

ANSI Code F16



Description

Deadbolt by key either side.

Premium and Elements Series Trim Sets

RA



RD



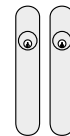
RF



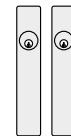
RM



EC



ED



RP



Standard Mortise Locks

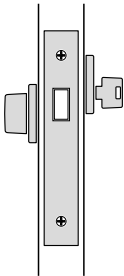
Series SML Functions

Function P

Key x Thumbturn
Deadlock

Description
Deadbolt by key outside and thumbturn inside.

ANSI Code F17



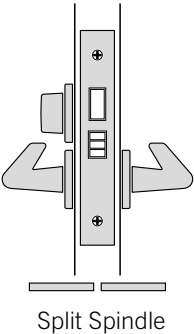
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RF-C	RP-C	

Function T

Patio

Description
Latch bolt by handle either side.
Deadbolt by thumbturn inside.
Outside handle is rigid when deadbolt is thrown by thumbturn.
Use of inside handle retracts latch and deadbolt simultaneously.



Premium and Elements Series Trim Sets

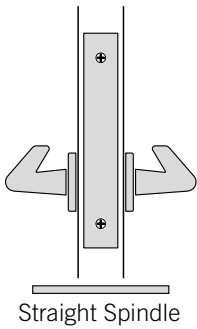
RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C

Standard Mortise Locks

Series SML Functions

Function Y

(Double Lever)
Active Dummy
Mortise Case



Description
Active dummy handle either side.



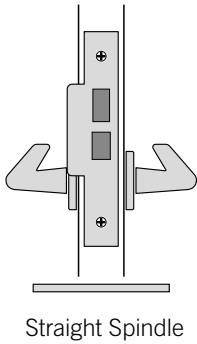
Premium and Elements Series Trim Sets

RA	RD	RM	EC	ED
RF	RP			

Function YS

(Double Lever)
Active Dummy
Mortise Case
Prepared as Strike

For Pairs of Doors



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

Strike regularly supplied with curved lip. (ANSI Standard A 115.1)



Premium and Elements Series Trim Sets

RA	RD	RM	EC	ED
RF	RP			

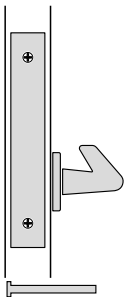
Standard Mortise Locks

Series SML Functions

Function Z

(Single Lever)
Active Dummy
Mortise Case

Description
Active dummy handle single side only with blind cover on opposing side where applicable as diagramed below.



Premium and Elements Series Trim Sets

RA

RD

RM

EC

ED

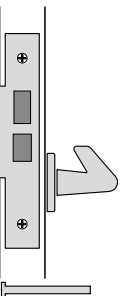
RF

Function ZS

(Single Lever)
Active Dummy
Mortise Case

Description
Active dummy handle single side. Case front includes integrated strike and dust box to be utilized on inactive leaf.

Strike regularly supplied with curved lip.
(ANSI Standard A 115.1)



Premium and Elements Series Trim Sets

RA

RD

RM

EC

ED

RF

Standard Mortise Locks

Series SML Functions

Function JEU

**Electrified Storeroom
Fail Secure**

Description

Solenoid activated mortise lock.

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

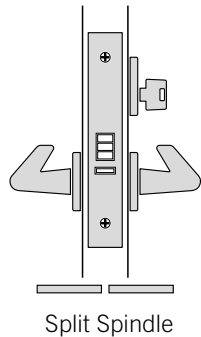
Key outside retracts latch bolt, when outside lever is locked.
Outside lever retracts latch bolt except when locked.

When ordering, indicate voltage: JEU, 12V or 24V, AC or DC

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

Monitoring Options

RX = Request to Exit Switch
LM = Latchbolt Monitor Switch
DP = Door Position Switch



Premium and Elements Series Trim Sets

RA



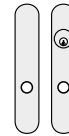
RD



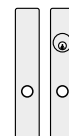
RM



EC



ED



RF



RP



– SML Electrified Locks are 2 3/4" backset standard; available in 2 1/2" backset by quote only.

Function JEL

**Electrified Storeroom
Fail Safe**

Description

Solenoid activated mortise lock.

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

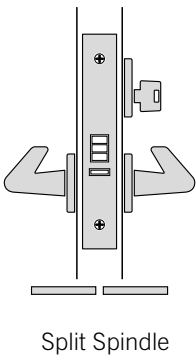
Key outside retracts latch bolt, when outside lever is locked.
Outside lever retracts latch bolt except when locked.

When ordering, indicate voltage: JEL, 12V or 24V, AC or DC

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

Monitoring Options

RX = Request to Exit Switch
LM = Latchbolt Monitor Switch
DP = Door Position Switch



Premium and Elements Series Trim Sets

RA



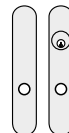
RD



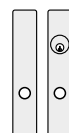
RM



EC



ED



RF



RP



– SML Electrified Locks are 2 3/4" backset standard; available in 2 1/2" backset by quote only.

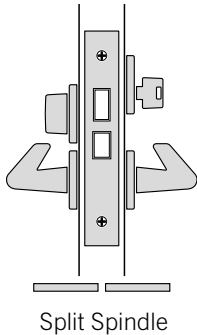
Standard Mortise Locks

Series SML Functions

Function BM

Magnetic Dormitory

ANSI Code F13



Description
 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.



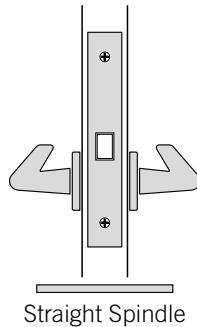
Premium and Elements Series Trim Sets

RA-S 	RD-S 	RM-S 	EC-S 	ED-S
RA-D 	RD-D 	RM-D 	RF-C 	RP-C

Function CM

Magnetic Passage

ANSI Code F01



Description
 Latch bolt by handle either side.



Premium and Elements Series Trim Sets

RA 	RD 	RF 	RM 	EC 	ED
RP 					

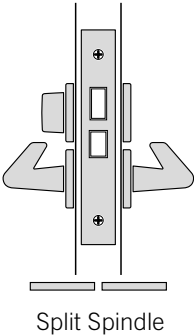
Standard Mortise Locks

Series SML Functions

Function EM

Magnetic Privacy

ANSI Code F19



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

Premium and Elements Series Trim Sets

RA-SN/SI	RD-SN/SI	RM-SN/SI	EC-SN/SI	ED-SN/SI
RA-DN/DI	RD-DN/DI	RM-DN/DI	RF-CI	RP-CI

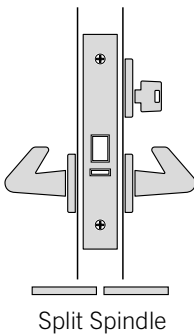


SML

Function JM

Magnetic Storeroom

ANSI Code F07



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

Premium and Elements Series Trim Sets

RA	RD	RM	EC	ED
RF	RP			



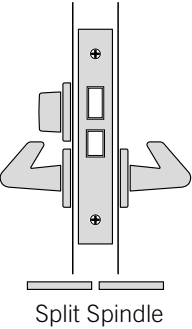
Standard Mortise Locks

Series SML Functions

Function TM

Magnetic Patio

Description
 Latch bolt by handle either side.
 Deadbolt by thumbturn inside.
 Outside handle is rigid when deadbolt
 is thrown by thumbturn.
 Use of inside handle retracts latch
 and deadbolt simultaneously.



Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C

Example for Specifying

SML - JEU* - 1147 - RA - 6204 - 234 - M1 - RH - 134

* Extra information required: J (EU) or (EL), 12 V or 24 V, AC or DC

Standard Mortise Locks Power Supplies

SW 3



2.4 A, 27 VDC regulated power supply with three (3) non-fused outputs for mortise locks.

PS5-8



5 A, 24 V regulated solid-state power supply for up to eight (8 I/O and fire alarm link) mortise locks.

Parts	Descriptions		Unit	Price
Power Supplies	SW 3	2.4A, 27VDC Regulated Power Supply	Each	299.90
Power Supplies	PS5-8	5A, 24V Regulated Power Supply	Each	960.38

Electrified Mortise Lock Series SML

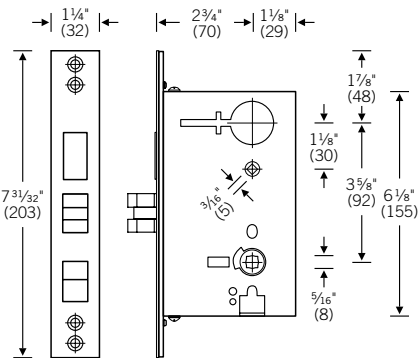
Mortise Case and Function

SML



Series SML EL or SML EU

Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.
1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.
All SML use the same lock bodies.



SML 7159 JEU/JEL

**Electrified Storeroom
Lock Body**

EU = fail secure
EL = fail safe



Solenoid activated mortise lock.

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

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

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

Monitoring Options
RX = Request to Exit Switch
LM = Latchbolt Monitor Switch
DP = Door Position Switch

Power Supplies	SW3 2.5 A, 27 VDC regulated power supply with three non-fused outputs for mortise locks.	PS5-8 5 A, 24 V regulated solid-state power supply for up to eight (8) mortise locks.
-----------------------	----------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------

– SML Electrified Locks are 2 3/4" backset standard; available in 2 1/2" backset by quote only.

Electrified Mortise Lock Series SML

Installation

Optional monitoring features

RX (Request to Exit Switch)

Monitors the use of the inside lever. This feature may be used to shunt an alarm, signal a control console, activate an alarm, or control an electromagnetic lock for egress.

LM (Latchbolt Monitor Switch)

Monitors the full extension of the main latch. This feature may be used to signal a control console, activate an alarm, or control an electromagnetic lock for entrance and egress.

DP (Door Position Switch)

Available on 2 3/4" backset only.

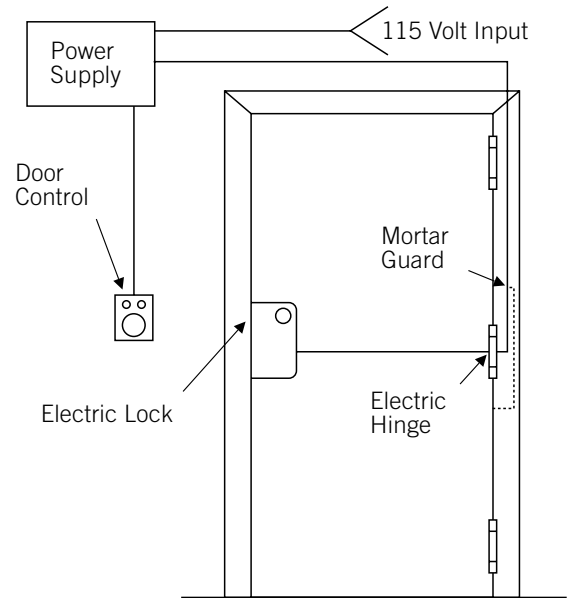
Monitors the status of both the solenoid (locked or unlocked) and the auxiliary latch (deadlatch position). This feature may be used to determine the security status (locked or unlocked), activate an alarm, or send notification to a control console.

Note: When monitoring features are required in a lockset, add RX, LM, or DP after the designation EU or EL (example: 1147 J EU/RX).

Locks are supplied with a bridge rectifier to convert AC to DC.

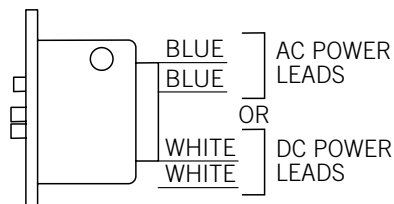
Specifications: Operating voltage is 12 or 24 VAC/DC plus or minus 10%. You must specify voltage when ordering.
Amperage is 12V = 700 mA or 24V = 350 mA.
Solenoid coil resistance is 12 = 18 Ω or 24V = 69 Ω .
Power consumption is 8 watts.

Typical installation

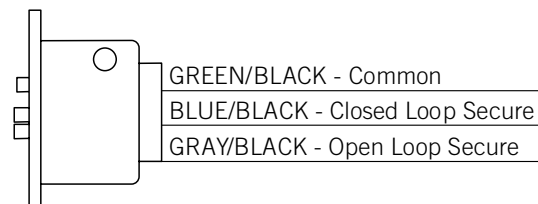


Wiring schematics by option

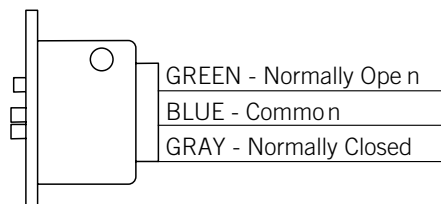
EL & EU – Fail Safe and Fail Secure



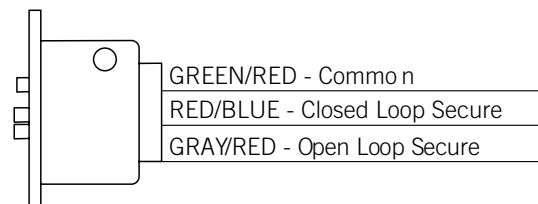
LM – Latchbolt Monitor Switch



RX – Request to Exit Switch



DP – Door Position Switch




Trim Set Overview

Series SML

SML


RA

55mm Round




RD

65mm Round




RF

Oval




RM

55mm Square




EC

Escutcheon




ED

Escutcheon



RP

30mm Round



	Premium Series	Elements Series	
Material	<div> <div></div> <div>Stainless Steel</div> </div> <div> <div></div> <div>Bronze</div> </div>	<div> <div></div> <div>Aluminum</div> </div>	
Finishes	<div> <div></div> <div>6204 (630)</div> </div> <div> <div></div> <div>6205 (629)</div> </div> <div> <div></div> <div>7615 (615)</div> </div> <div> <div></div> <div>7625 (613)</div> </div>	<div> <div></div> <div>0013</div> </div> <div> <div></div> <div>0105 (628)</div> </div> <div> <div></div> <div>8120</div> </div> <div> <div></div> <div>8220</div> </div> <div> <div></div> <div>0510</div> </div> <div> <div></div> <div>0710 (710)</div> </div> <div> <div></div> <div>0810 (711)</div> </div> <div> <div></div> <div>8876</div> </div> <div> <div></div> <div>8877</div> </div>	

Round Lever Roses

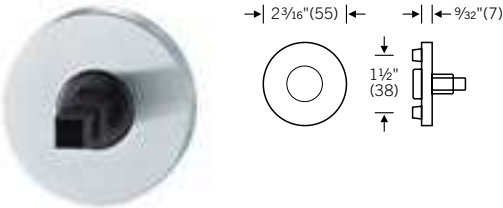
Series SML

RA

17 1731 01401 ■■■

Rose 2⅜" (55 mm)

*Includes finish rose and sub-rose

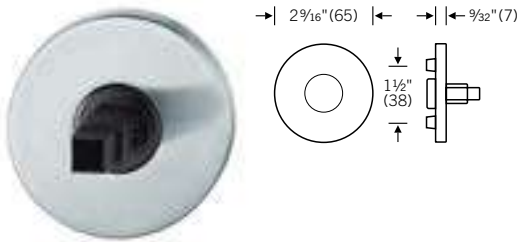


RD

17 1798 02401 ■■■

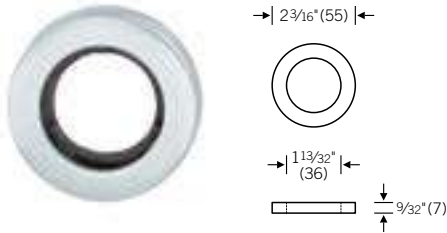
Rose 2⅞" (65 mm)

*Includes finish rose and sub-rose



Cylinder Ring

17 1735 12601 ■■■




Cylinder must be ordered separately

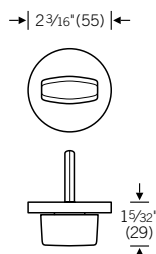
SML

Thumbturns for RA 55mm Roses Series SML

S

17 1744 00169 
Standard Thumbturn

SML



RA - Configuration
55mm S Thumbturn
55mm Lever Rose

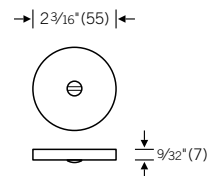
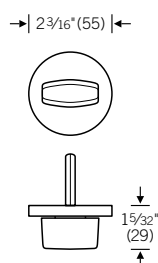


RD - Configuration
55mm S Thumbturn
65mm Lever Rose

Standard Turn with Emergency Release (SN)

17 1744 00160 

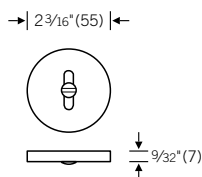
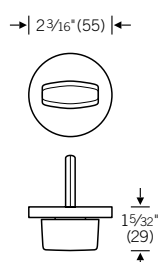
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159 

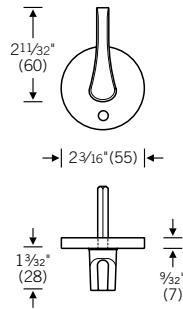
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RA 55mm Roses Series SML

D

17 1744 09169 ■ ■
ADA Thumbturn



RA - Configuration
55mm D Thumbturn
55mm Lever Rose



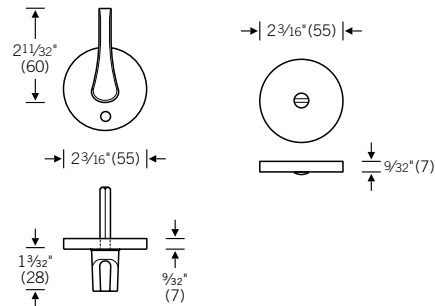
RD - Configuration
55mm D Thumbturn
65mm Lever Rose

SML

ADA Turn with Emergency Release (DN)

17 1744 09160 ■ ■

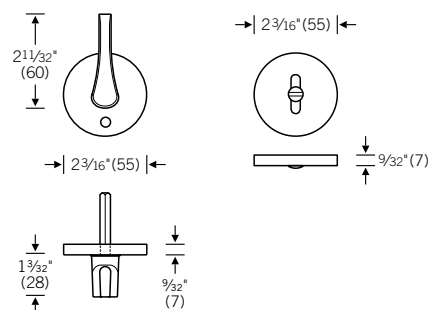
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1744 09159 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws

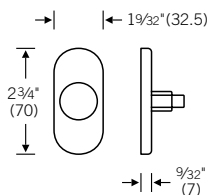


Oval Rose and Thumbturn RF Series SML

RF

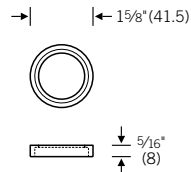
17 1758 10001 ■
Narrow Rose

SML



Cylinder Ring

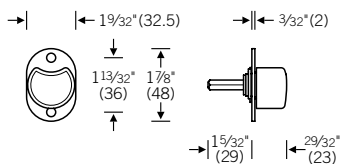
03 0450 19001 ■■



Cylinder must be ordered separately

C

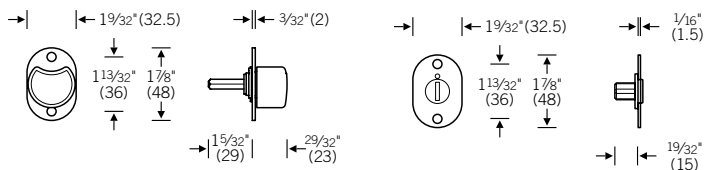
03 0418 09001 ■
Crescent Thumbturn



Crescent Turn with Emergency Release and Indicator (CI)

03 0418 09002 ■■

Trim Set - Includes two rose assemblies, spindle and screws



*Non Indicator only for Stainless Steel

**RF Crescent turn and privacy release in plated Stainless and only available without indicator

Square and Minimal Lever Roses

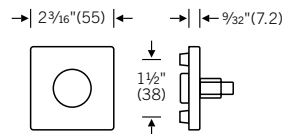
Series SML

RM

17 1703 01401 ■■■

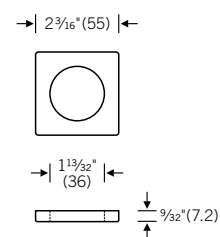
Square Rose

*Includes finish rose and sub-rose



Cylinder Ring

17 1704 12601 ■■■



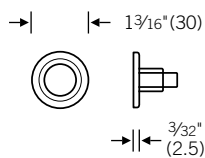
Cylinder must be ordered separately

SML

RP

03 0450 09290 ■■

Minimal Rose

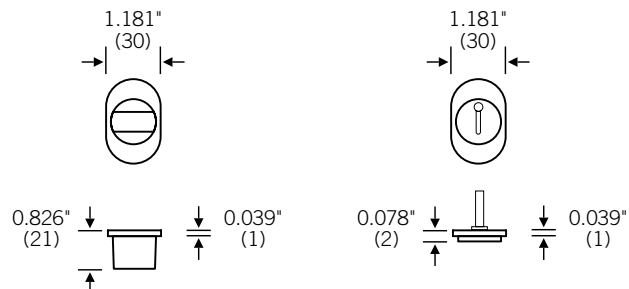


SI

15 1721 01054 ■■


Standard Thumbturn and Emergency Release with Indicator

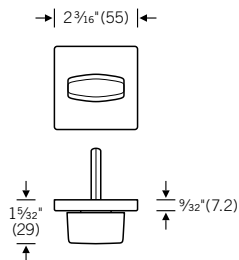
Trim only sold in Sets



Thumbturns for RM 55mm Series SML


S

17 1712 00169 
Standard Thumbturn

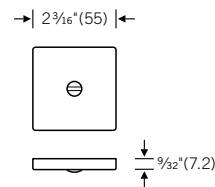
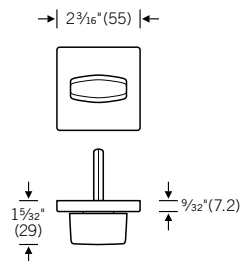


RM - Configuration
55mm S Thumbturn
55mm Lever Rose

Standard Turn with Emergency Release (SN)

17 1712 00160 

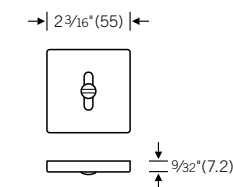
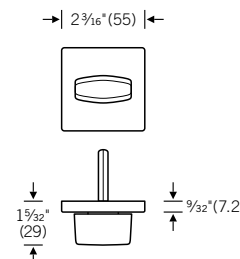
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1712 00159 

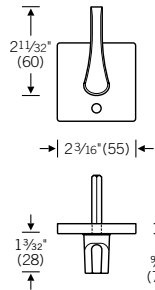
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Series SML

D

17 1712 09169 ■ ■
ADA Thumbturn



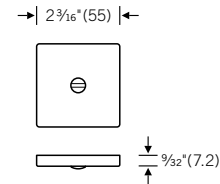
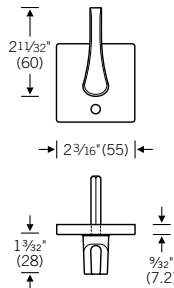
RM - Configuration
55mm D Thumbturn
55mm Lever Rose

SML

ADA Turn with Emergency Release (DN)

17 1712 09160 ■ ■

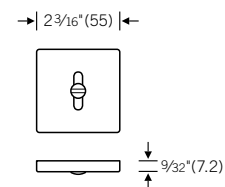
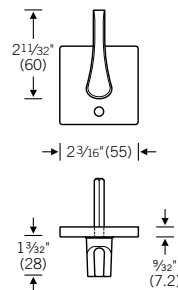
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 ■ ■


Trim Set - Includes two rose assemblies, spindle and screws



Trim Sets for EC Long Rounded Escutcheon Plate Series SML

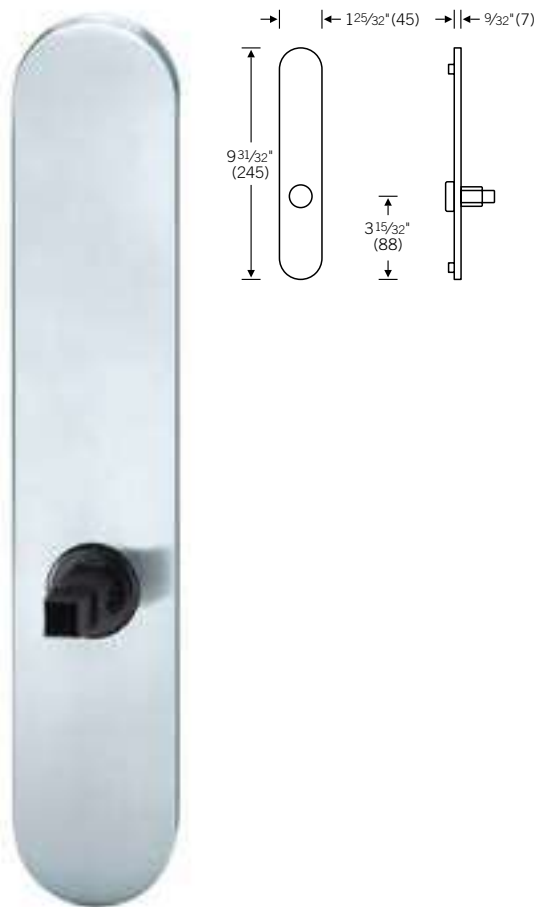
SML

EC


14 1418 09100 

9 5/8" (245 mm)

*Includes finish rose and sub-rose



Cylinder Hole

14 1418 09101 

*Includes finish rose and sub-rose



Cylinder must be ordered separately

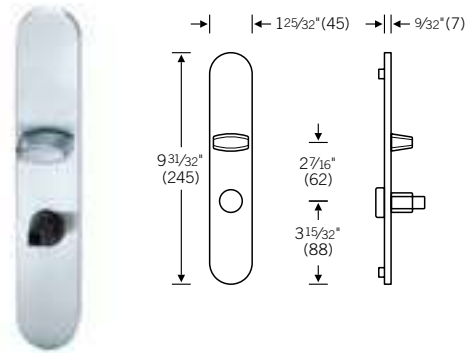
Trim Sets for EC Long Rounded Escutcheon Plate Series SML

S

14 1418 09102

Standard Thumbturn

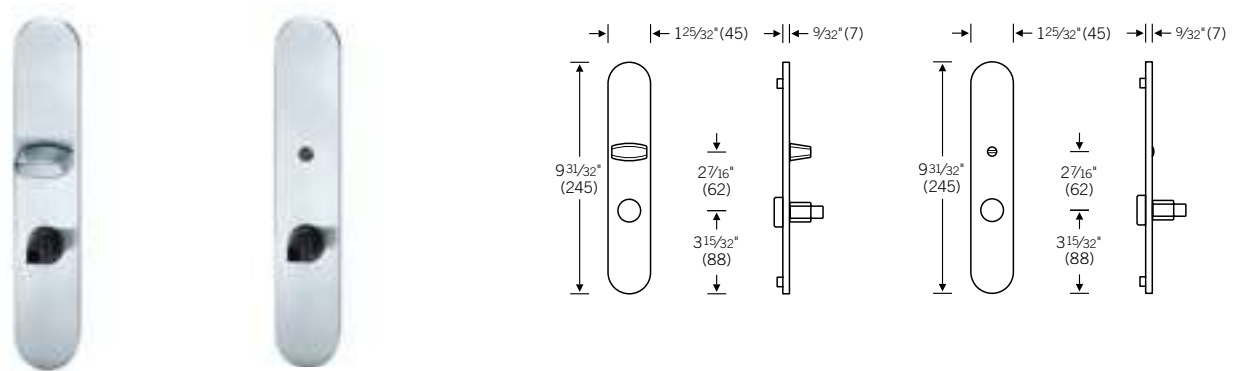
*Includes finish rose and sub-rose



Standard Turn with Emergency Release (SN)

14 1418 09103

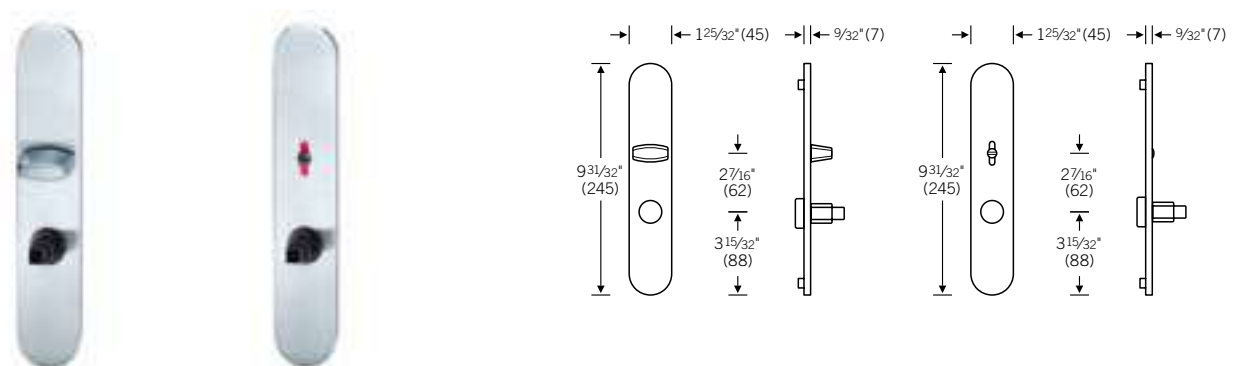
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1418 09113


Trim Set - Includes two rose assemblies, spindle and screws



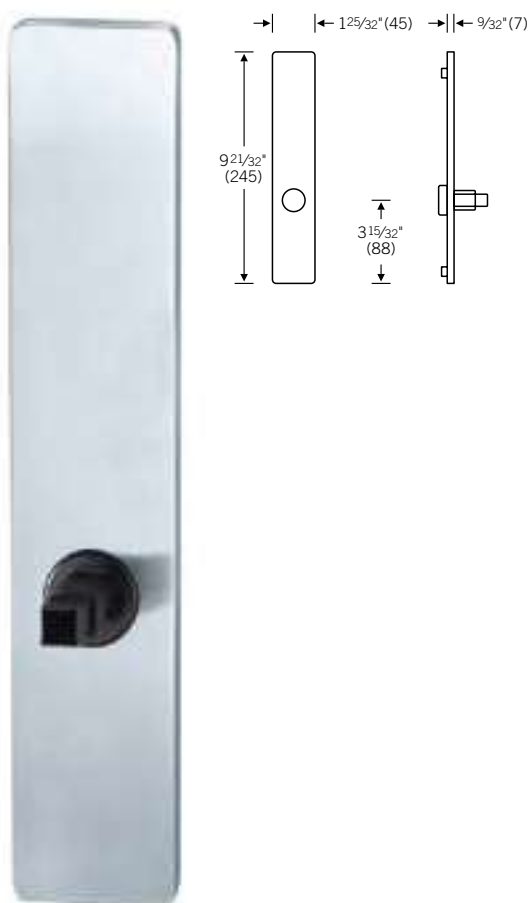
Trim Sets for ED Long Rectangular Escutcheon Plate Series SML

SML


ED

14 1410 09100 
9 5/8" (245 mm)

*Includes finish rose and sub-rose



Cylinder Hole

14 1410 09101 


*Includes finish rose and sub-rose



Cylinder must be
ordered separately

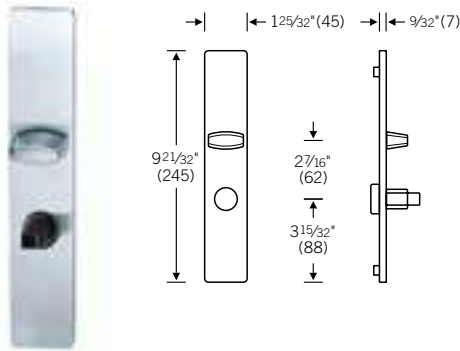
Trim Sets for ED Long Rectangular Escutcheon Plate Series SML

S


14 1410 09102 

Standard Thumbturn

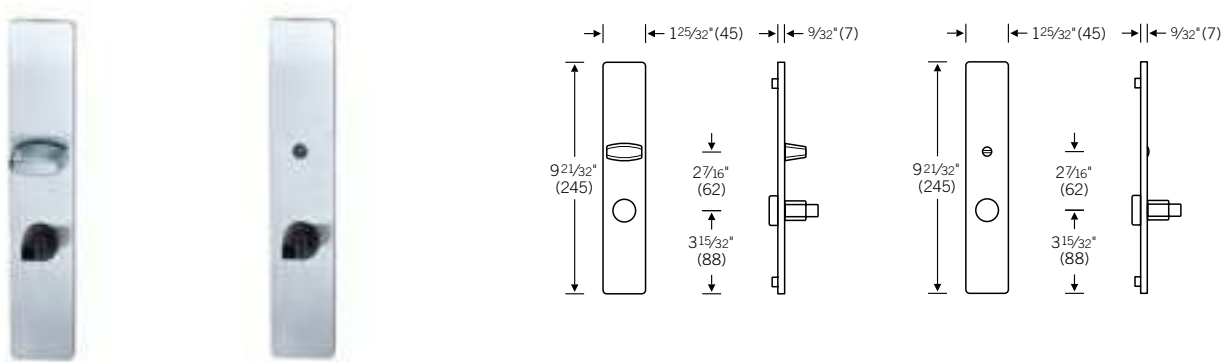
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1410 09103 

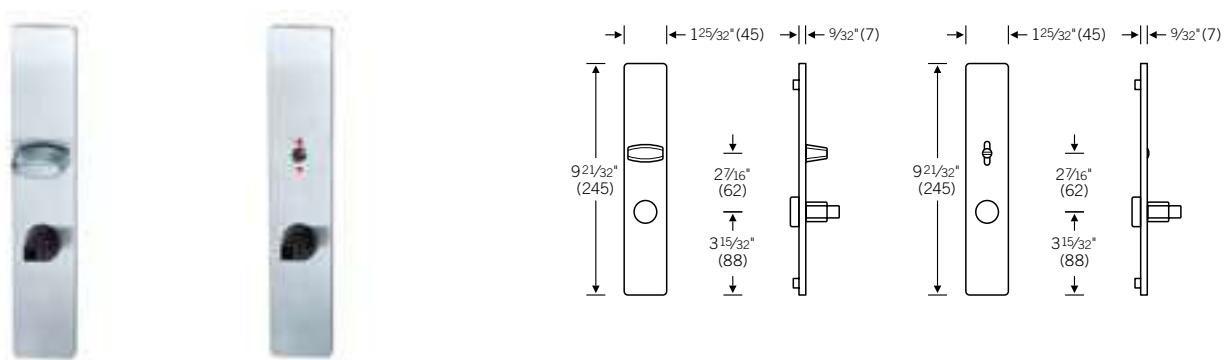
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1410 09113 

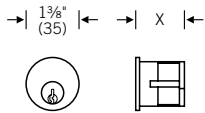
Trim Set - Includes two rose assemblies, spindle and screws



SML Lock Series

North American Cylinders

88 8806



88 8806 07165 Length X = 1"
 88 8806 07185 Length X = 1 1/8"
 88 8806 07205 Length X = 1 1/4"
 88 8806 07245 Length X = 1 1/2"
 88 8806 07285 Length X = 1 3/4"
 88 8806 07325 Length X = 2"

FSB mortise cylinders are supplied (keyed differently) and are available in the 6 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

- US28 (matches FSB 0105) Aluminum Natural Color Anodized
- US10B Oil Rubbed Bronze
- US19 Flat Black
- US32 Polished Stainless Steel
- US32D Satin Stainless Steel

Cam Types

- SC19 (clover cam);
used for all mortise locks

Trim	Door Thickness	Cylinder Length	Single Cylinder	Cylinder Length X2	Double Cylinder
All roses	1 3/8"	1"	88 8806 7165sc19	N/A	N/A
	1 3/4"	1 1/8"	88 8806 7185sc19	1"	88 8806 7165sc19
	2"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 1/4"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 3/8"	1 1/2"	88 8806 7245sc19	Call	
	3"	1 3/4"	88 8806 7285sc19	Call	
	3 1/4"	1 7/8"	88 8806 7305sc19	Call	
	3 1/2"	2"	88 8806 7325sc19	Call	
Escutcheons	1 3/8"	N/A	N/A	N/A	N/A
	1 3/4"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 1/4"	1 1/2"	88 8806 7245sc19	1 1/4"	88 8806 7205sc19
	2 3/8"	1 3/4"	88 8806 7285sc19	Call	
	3"	1 7/8"	88 8806 7305sc19	Call	
	3 1/4"	2"	88 8806 7325sc19	Call	

Note: For offset doors, all FSB trim is 7mm thick

SML Lock Series

Strikes

SML



SML 1001

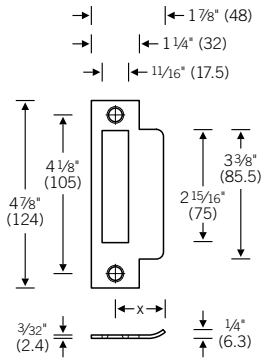
SML Series Mortise Strike (ANSI/ASA Strike) with dustbox

Standard **M1** = 1 ¼" (32 mm)

SML 1001 99

SML Series Extended Lip* Mortise Strike (ANSI/ASA Strike) with dustbox

* Identify lip to center (x dimension)



Mortise Strike Number	Lip To Center Dimension (x)	Typical Door Thickness*	ANSI Strike Type
M1	1 ¼"	1 ⅜" - 1 ¾"	Curved Lip (Std.)
M2	1 ⅛"	1 ½"	Curved Lip
M3	1 ⅜"	2"	Curved Lip
M4	1 ½"	2 ¼"	Curved Lip
M5	1 ¾"	2 ¾"	Curved Lip
M6	2"	3 ¼"	Curved Lip
M7	2 ¼"	3 ¼"	Curved Lip
M8	2 ½"	4 ¼"	Curved Lip
M9	2 ¾"	4 ¾"	Curved Lip
M10	3"	5 ¼"	Curved Lip
M11	1 ¾"	2 ¾"	Open Back
M12	2"	3 ¼"	Open Back
M13	2 ¼"	3 ¼"	Open Back

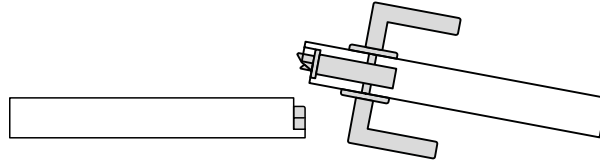
***Based on Lock centered in door**
Functions D, F, G, I, J, and K are handed.

For custom strikes, please call FSB.

All magnetic SML come with universal no-lip strike and magnetic dustbox.

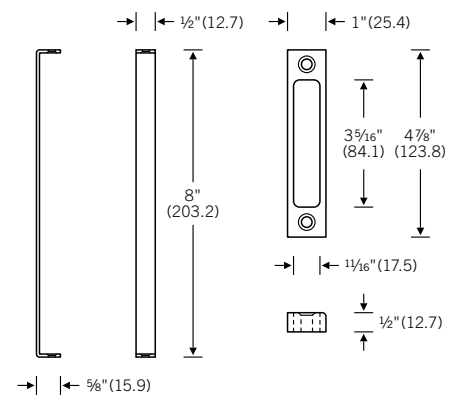
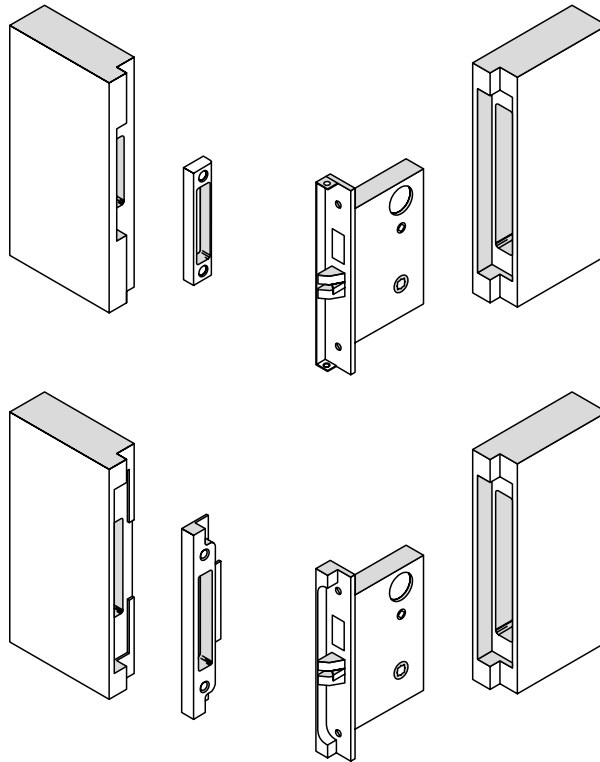
SML Lock Series

Rabbeted Strikes and Band



Standard - RFS1
Traditional - RFS2

Rabbet depth 1/2" deep centered within the door. Please specify lock number, door thickness, and finish.

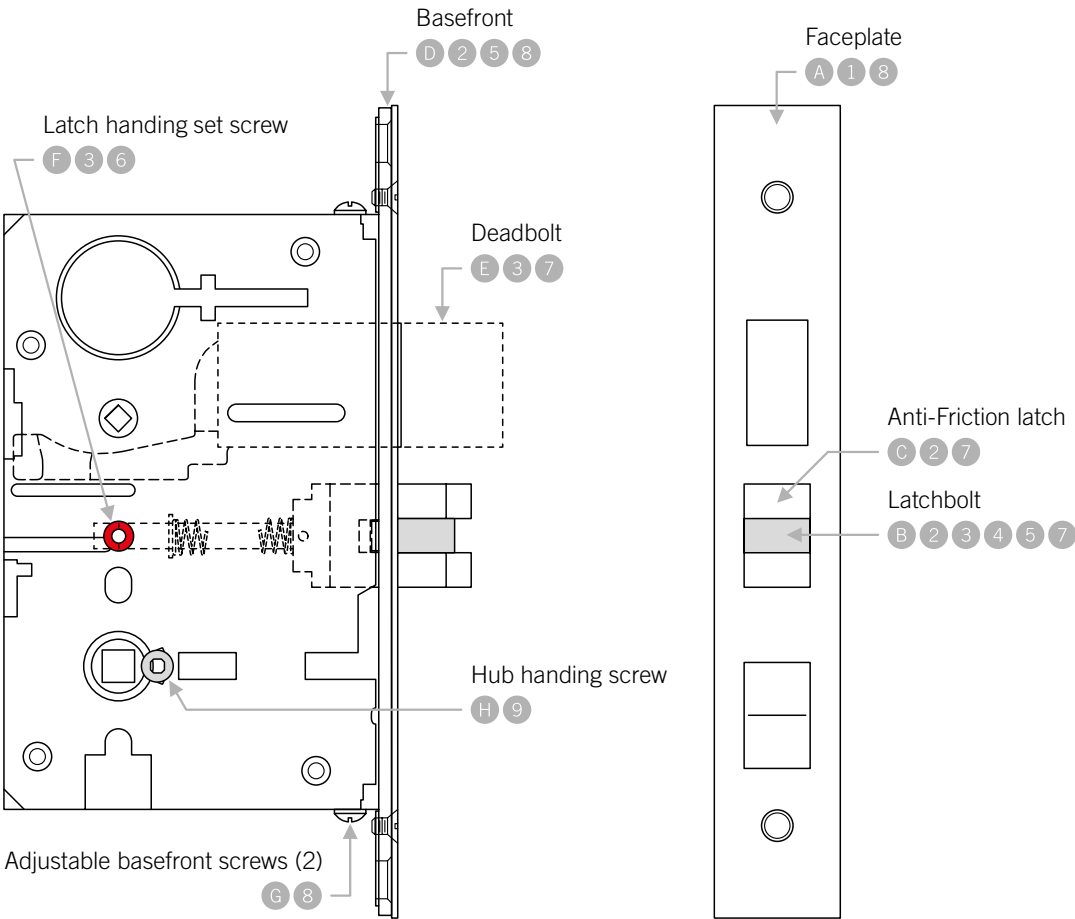


Technical drawing for RFS1 Standard Strike.

SML Lock Series Reverse Handing for Spring Latch

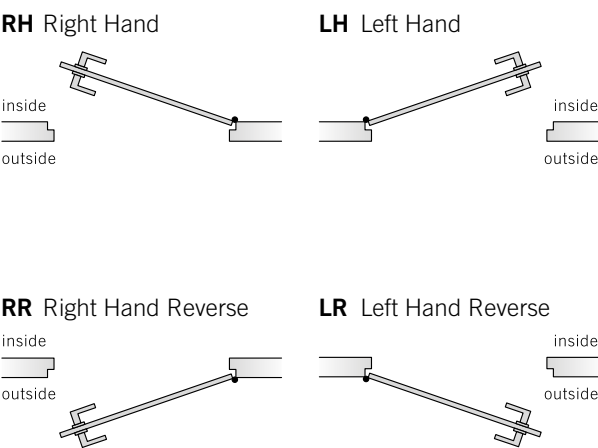
Technical Explanation

SML



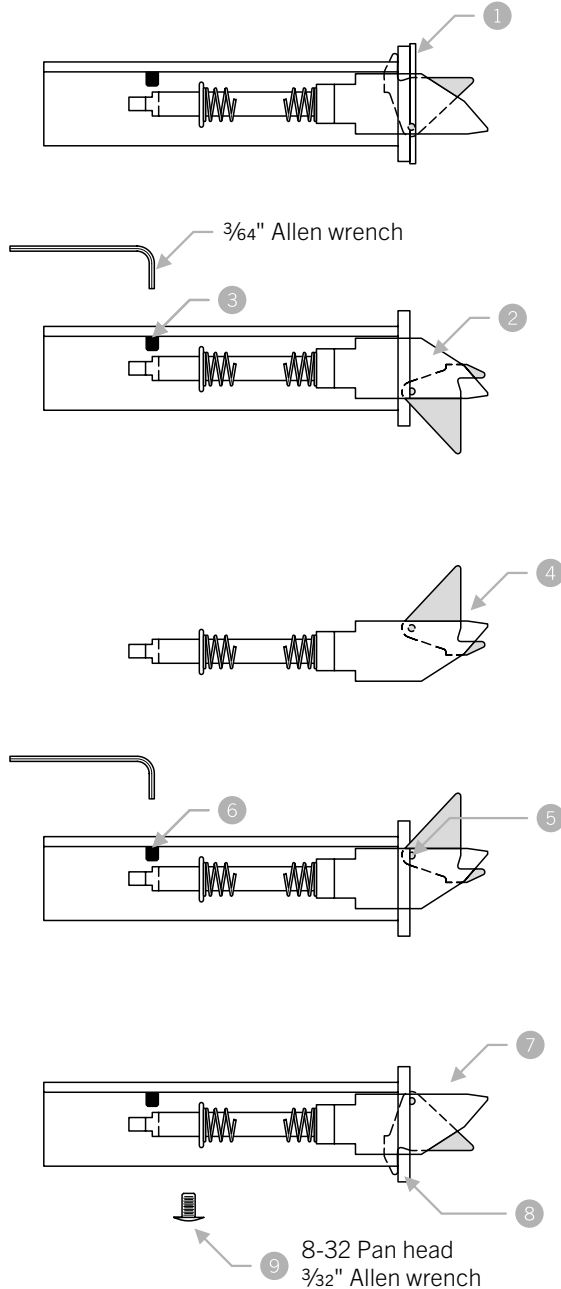
Current Hand	Required Hand	Task		Strike Needed*
		Flip Latch	Reverse Hubs	
LH	RH	•	•	RH
RH	LH	•	•	LH
LR	RR	•	•	LH
RR	LR	•	•	RH
LH	LR	•		RH
RH	RR	•		LH
LH	RR		•	LH
RH	LR		•	RH

* Handed strikes are required for functions with an auxiliary deadlatch. For all other functions a universal strike is furnished.
 All 2¾" backset locks with the exception of functions EU, EL, F and G are field reversible.



SML Lock Series Reverse Handing

Technical Explanation



To flip the latch bolt

- 1 Remove the faceplate (A).
- 2 Push latchbolt (B) inside lock, push down anti-friction latch (C) and release latch so the anti-friction piece is beyond the basefront (D).
- 3 If the lock has a deadbolt (E), throw the deadbolt into projected position. Locate set screw hole (F) on the coverside. Insert $\frac{3}{64}$ " Allen wrench, fully loosen screw until it tops out against the underside of the cover. Tip: Hold latchbolt (B) in between fingers to apply outward pressure, while loosening the screw.
- 4 Pull out and FLIP latchbolt (B).
- 5 Re-Insert latch, push in latch assembly until hole in latchbolt (B) is in line with the basefront (D).
- 6 Fully tighten set screw (F), while applying moderate inward pressure.
- 7 If lock has deadbolt (E), retract deadbolt. Retract latchbolt (B) such that the anti-friction latch (C) is returned to the normal position. Test lock for proper functioning before installation.
- 8 Adjust the bevel (G) on the basefront (H) and re-install faceplate (A).

To reverse the hubs

- 9 Insert a $\frac{3}{32}$ " Allen wrench into the black pan head screw (H), loosen and remove screw, insert and tighten the screw in the opposite side of the lock.

Test lock for proper functioning before installation.

SML Lock Series

Suggested Specification

SML

All mortise locksets shall be provided from one manufacturer and shall be capable of providing backsets from 2½" to 6" backset using the same lever and trim designs from FSB North America.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and less class doors, 4' x 8' or 8' x 8' pair.

All levers and trim design shall be capable of being suited to operate tubular and sliding door locks to maintain the design through out the project. All locks and trim must be provided by the same manufacturer.

Certification:

UBC – 7-2 and UL10C – Positive Pressure.
ANSI A156.13 Series 1000, Grade 1
ANSI A117.1 Accessibility Code, (formerly Title 19, California State Fire Marshal Standard) Lever handle trim.

Note: Certifications pending for all magnetic lock functions.

All locks, levers, and trim shall be from one manufacturer.

All mechanical locksets shall carry a 10 year limited warranty.

All electrified locksets shall carry a 3 year limited warranty.

Federal Specification

Conforms to all performance and structural specifications of ANSI A 156.13, Series 1000, Grade 1 Mortise Locks and Latches.

UL Listing

3 Hour rated by Underwriters Laboratories, Inc. on all series of single-point locks or latches illustrated within this section.

UL File No. R16617

Note: UL listing pending for all magnetic lock functions.

Steel Case

Size varies according to backset. Heavy gauge .093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

.218" x 1.25" x 8"

(5.5 x 32 x 203 mm) or

.218" x 1" x 8"

(5.5 x 25.4 x 203 mm).

Adjustable for beveled conditions from flat to standard bevel

.125" on 2" (3 on 51 mm).

Faceplate (Scalp only)

.062" x 1.25" x 8"

(1.57 x 32 x 203 mm) or

.062" x 1" x 8"

(1.57 x 25.4 x 203 mm).

Wrought stainless steel, bronze or brass substrate.

Anti-Friction Spring Latch Bolt

.625" x 1" x .75" (12 x 25.4 x 19 mm) throw.

Two-piece mechanical oil impregnated sintered stainless steel.

Magnetic Latch Bolt

.625" x 1" x .75" (12 x 25.4 x 19 mm) throw.

One-piece magnetic latch bolt.

Deadbolt

.5625 x 1.25" x 1" (14 x 32 x 25.4 mm) throw.

Solid forged stainless steel throw with free-rotating hardened steel saw-proof inserts.

Hub (Split)

Providing emergency egress.

.315" (8 mm) square oil impregnated, copper infiltrated sintered steel with one way rotation for levers (LS) and two-way rotation for knobs (KS).

Thumbturn Hub

.2" (5 mm) diamond, oil impregnated, copper infiltrated sintered steel, 28 degree rotation.

Backsets

2.50" (64 mm), 2.75" (70 mm), 3.75 (95 mm), 5" (127 mm) and 6" (152 mm).

Spacing

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

Through-bolting

1.5" (38 mm) to 1.6875" (43 mm) center to center.

Strike for Spring Latch

4.875" x 1.25" (124 x 32 mm) lip to center. Wrought stainless steel, bronze, and brass substrate finished to match. Supplied to ANSI Standard A 115.1. Regularly furnished with curved lip strike with plastic dust box. Flat lip, full lip, special length strikes and wrought dust boxes may be had on a special order basis.

Strike for Magnetic Latch

All magnetic locks will be supplied with a standard no-lip strike.

Template

Doors and frames to be prepared in accordance with ANSI A 115.11.

Face cutouts and center to center dimensions are subject to variation. Always review trim requirements prior to door preparation.



FSB ASL® Subrose

Product variants

Roses RA, RD, RM, RS, and ED-EC escutcheons contain added spring assistance.

Adaptor

All FSB base roses are screwed to the door leaf first, without the cover or the lever. Additionally, it is no longer necessary to “screw past” the handle shank.

Fasteners

Fastening by through-fixed bolting with retention lugs and machine screws or surface mounted fasteners.

Spindles

The 8 mm straight spindle caters to standard door thicknesses from 1 3/8 to 2 1/4 inches but can extend to 3 3/4 inches for special applications.

Availability

The FSB ASL® will be supplied with all FSB North America locksets.



Premium Series - SML

Standard Mortise Locks



Trim Choices



		RA, RD, RM, RP, RF		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1009	1129	N/A	N/A	991	1106
B	Dormitory	1036	1170	1086	N/A	1038	1176
C	Passage	782	877	940	N/A	834	946
E	Privacy	990	1122	1011	N/A	1002	1139
G	Classroom	983	1090	1124	N/A	993	1107
H	Entrance	1081	1214	1130	N/A	1082	1220
I	Office	983	1090	1124	N/A	993	1107
J	Storeroom	971	1079	1113	N/A	982	1095
K	Apartment	1115	1249	1165	N/A	1117	1255
T	Patio	945	1066	1011	N/A	979	1115
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1326	1433	N/A	N/A	1337	1450
JEL	Institutional Elec, Fail Safe	1326	1433	N/A	N/A	1337	1450
Magnetic Functions							
BM	Dormitory	1800	1933	1850	N/A	1802	1939
CM	Passage	1546	1641	1704	N/A	1598	1709
EM	Privacy	1753	1885	1775	N/A	1759	1896
JM	Storeroom	1702	1809	1844	N/A	1713	1826
TM	Patio	1709	1830	1775	N/A	1743	1878
Dummy Functions							
Y	Active Double Dummy	675	770	N/A	N/A	727	839
YS	Active Double Strike	1290	1385	N/A	N/A	1342	1454
Z	Active Single Dummy	607	655	N/A	N/A	633	689
ZS	Active Single Strike	1222	1270	N/A	N/A	1245	1301
Deadlock Functions							
N	Key x Key	424	448	N/A	N/A	424	448
P	Key x TT	442	480	N/A	N/A	442	480

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



1075



1076



1107



1108

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-6204-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1003



1015



1016



1058

Trim Choices



		RA, RD, RM, RP, RF		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1071	1254	N/A	N/A	1054	1232
B	Dormitory	1099	1295	1149	N/A	1101	1301
C	Passage	845	1002	1003	N/A	897	1071
E	Privacy	1052	1247	1074	N/A	1064	1264
G	Classroom	1045	1215	1187	N/A	1056	1232
H	Entrance	1143	1339	1193	N/A	1145	1345
I	Office	1045	1215	1187	N/A	1056	1232
J	Storeroom	1034	1204	1176	N/A	1045	1221
K	Apartment	1178	1374	1228	N/A	1180	1380
T	Patio	1008	1191	1074	N/A	1042	1240
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1388	1558	N/A	N/A	1399	1575
JEL	Institutional Elec, Fail Safe	1388	1558	N/A	N/A	1399	1575
Magnetic Functions							
BM	Dormitory	1863	2058	1912	N/A	1864	2064
CM	Passage	1608	1766	1766	N/A	1660	1834
EM	Privacy	1816	2010	1837	N/A	1821	2021
JM	Storeroom	1765	1934	1906	N/A	1775	1951
TM	Patio	1771	1955	1837	N/A	1805	2003
Dummy Functions							
Y	Active Double Dummy	737	895	N/A	N/A	790	964
YS	Active Double Strike	1353	1510	N/A	N/A	1405	1579
Z	Active Single Dummy	638	717	N/A	N/A	665	752
ZS	Active Single Strike	1254	1333	N/A	N/A	1277	1364
Deadlock Functions							
N	Key x Key	424	448	N/A	N/A	424	448
P	Key x TT	442	480	N/A	N/A	442	480

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



1106



1144



1242



1267

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ½" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-6204-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1025



1031



1045



1053

Trim Choices



		RA, RD, RM, RP, RF		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1227	1405	N/A	N/A	1209	1383
B	Dormitory	1254	1446	1304	N/A	1256	1453
C	Passage	1000	1154	1158	N/A	1052	1223
E	Privacy	1208	1398	1229	N/A	1219	1416
G	Classroom	1200	1367	1342	N/A	1211	1383
H	Entrance	1298	1491	1348	N/A	1300	1497
I	Office	1200	1367	1342	N/A	1211	1383
J	Storeroom	1189	1356	1331	N/A	1200	1372
K	Apartment	1333	1525	1383	N/A	1335	1532
T	Patio	1163	1343	1229	N/A	1197	1392
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1544	1710	N/A	N/A	1554	1727
JEL	Institutional Elec, Fail Safe	1544	1710	N/A	N/A	1554	1727
Magnetic Functions							
BM	Dormitory	2018	2210	2067	N/A	2019	2216
CM	Passage	1763	1917	1921	N/A	1816	1986
EM	Privacy	1971	2162	1992	N/A	1976	2173
JM	Storeroom	1920	2086	2061	N/A	1930	2103
TM	Patio	1927	2106	1992	N/A	1960	2155
Dummy Functions							
Y	Active Double Dummy	893	1047	N/A	N/A	945	1115
YS	Active Double Strike	1508	1662	1254	N/A	1560	1731
Z	Active Single Dummy	716	793	492	N/A	742	827
ZS	Active Single Strike	1331	1408	929	N/A	1354	1440
Deadlock Functions							
N	Key x Key	424	448	N/A	N/A	424	448
P	Key x TT	442	480	N/A	N/A	442	480

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions,
please specify hand.



1183



1244



1254

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ½" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-6204-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1004



1021



1074



1119



1293

Trim Choices



		RA, RD, RM, RP, RF		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1384	1566	N/A	N/A	1209	1383
B	Dormitory	1412	1607	1304	N/A	1256	1453
C	Passage	1157	1315	1158	N/A	1052	1223
E	Privacy	1365	1559	1229	N/A	1219	1416
G	Classroom	1358	1528	1342	N/A	1211	1383
H	Entrance	1456	1651	1348	N/A	1300	1497
I	Office	1358	1528	1342	N/A	1211	1383
J	Storeroom	1347	1517	1331	N/A	1200	1372
K	Apartment	1491	1686	1383	N/A	1335	1532
T	Patio	1320	1504	1229	N/A	1197	1392
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1701	1871	N/A	N/A	1554	1727
JEL	Institutional Elec, Fail Safe	1701	1871	N/A	N/A	1554	1727
Magnetic Functions							
BM	Dormitory	2175	2371	2067	N/A	2019	2216
CM	Passage	1921	2078	1921	N/A	1816	1986
EM	Privacy	2129	2323	1992	N/A	1976	2173
JM	Storeroom	2077	2247	2061	N/A	1930	2103
TM	Patio	2084	2267	1992	N/A	1960	2155
Dummy Functions							
Y	Active Double Dummy	1050	1208	N/A	N/A	945	1115
YS	Active Double Strike	1665	1823	1254	N/A	1560	1731
Z	Active Single Dummy	795	874	492	N/A	742	827
ZS	Active Single Strike	1410	1489	929	N/A	1354	1440
Deadlock Functions							
N	Key x Key	424	448	N/A	N/A	424	448
P	Key x TT	442	480	N/A	N/A	442	480

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



1243



1245



1291



1292

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-6204-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1102



1134



1163

Trim Choices



		RA, RD, RM, RP, RF		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1547	1754	N/A	N/A	1529	1732
B	Dormitory	1574	1795	1624	N/A	1576	1801
C	Passage	1320	1502	1478	N/A	1372	1571
E	Privacy	1528	1747	1549	N/A	1539	1764
G	Classroom	1520	1715	1662	N/A	1531	1732
H	Entrance	1618	1839	1668	N/A	1620	1845
I	Office	1520	1715	1662	N/A	1531	1732
J	Storeroom	1509	1704	1651	N/A	1520	1721
K	Apartment	1653	1874	1703	N/A	1655	1880
T	Patio	1483	1691	1549	N/A	1517	1740
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1864	2059	N/A	N/A	1874	2075
JEL	Institutional Elec, Fail Safe	1864	2059	N/A	N/A	1874	2075
Magnetic Functions							
BM	Dormitory	2338	2558	2387	N/A	2339	2565
CM	Passage	2083	2266	2241	N/A	2136	2335
EM	Privacy	2291	2511	2312	N/A	2296	2521
JM	Storeroom	2240	2435	2381	N/A	2250	2451
TM	Patio	2247	2455	2312	N/A	2280	2504
Dummy Functions							
Y	Active Double Dummy	1213	1395	N/A	N/A	1265	1464
YS	Active Double Strike	1828	2011	N/A	N/A	1880	2079
Z	Active Single Dummy	876	967	N/A	N/A	902	1002
ZS	Active Single Strike	1491	1583	N/A	N/A	1514	1614
Deadlock Functions							
N	Key x Key	424	448	N/A	N/A	424	448
P	Key x TT	442	480	N/A	N/A	442	480

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ½" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-6204-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1015



1023



1106

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
A	Store Door	1408	1460	N/A	N/A	1388	1450
B	Dormitory	1484	1540	N/A	N/A	1441	1504
C	Passage	1158	1211	N/A	N/A	1220	1283
E	Privacy	1539	1596	N/A	N/A	1401	1463
G	Classroom	1370	1423	N/A	N/A	1384	1447
H	Entrance	1528	1585	N/A	N/A	1485	1548
I	Office	1370	1423	N/A	N/A	1384	1447
J	Storeroom	1359	1411	N/A	N/A	1373	1436
K	Apartment	1563	1619	N/A	N/A	1520	1583
T	Patio	1381	1438	N/A	N/A	1377	1439
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1713	1766	N/A	N/A	1728	1790
JEL	Institutional Elec, Fail Safe	1713	1766	N/A	N/A	1728	1790
Magnetic Functions							
BM	Dormitory	2247	2304	N/A	N/A	2205	2267
CM	Passage	1921	1974	N/A	N/A	1984	2046
EM	Privacy	2302	2359	N/A	N/A	2157	2220
JM	Storeroom	2089	2142	N/A	N/A	2104	2166
TM	Patio	2144	2201	N/A	N/A	2140	2203
Dummy Functions							
Y	Active Double Dummy	1051	1104	N/A	N/A	1113	1175
YS	Active Double Strike	1921	1974	N/A	N/A	1728	1791
Z	Active Single Dummy	2302	2359	N/A	N/A	826	857
ZS	Active Single Strike	2089	2142	N/A	N/A	1438	1470
Deadlock Functions							
N	Key x Key	447	447	N/A	N/A	447	447
P	Key x TT	513	517	N/A	N/A	513	517

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-7615-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1045



1053

Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1470	1523	N/A	N/A	1450	1513
B	Dormitory	1546	1603	N/A	N/A	1504	1566
C	Passage	1220	1273	N/A	N/A	1283	1345
E	Privacy	1601	1658	N/A	N/A	1463	1526
G	Classroom	1432	1485	N/A	N/A	1447	1509
H	Entrance	1590	1647	N/A	N/A	1548	1610
I	Office	1432	1485	N/A	N/A	1447	1509
J	Storeroom	1421	1474	N/A	N/A	1436	1498
K	Apartment	1625	1682	N/A	N/A	1583	1645
T	Patio	1443	1500	N/A	N/A	1439	1502
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1776	1829	N/A	N/A	1790	1853
JEL	Institutional Elec, Fail Safe	1776	1829	N/A	N/A	1790	1853
Magnetic Functions							
BM	Dormitory	2310	2367	N/A	N/A	2267	2330
CM	Passage	1984	2037	N/A	N/A	2046	2109
EM	Privacy	2365	2422	N/A	N/A	2220	2283
JM	Storeroom	2152	2205	N/A	N/A	2166	2229
TM	Patio	2207	2264	N/A	N/A	2203	2265
Dummy Functions							
Y	Active Double Dummy	1113	1166	N/A	N/A	1175	1238
YS	Active Double Strike	1729	1781	N/A	N/A	1791	1853
Z	Active Single Dummy	826	853	N/A	N/A	857	889
ZS	Active Single Strike	1442	1468	N/A	N/A	1470	1501
Deadlock Functions							
N	Key x Key	447	447	N/A	N/A	447	447
P	Key x TT	513	517	N/A	N/A	513	517

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-7615-234-M1-RH-134

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1004



1016



1076



1102

Available in 7615 only



1291



1292

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
A	Store Door	1470	1585	N/A	N/A	1450	1575
B	Dormitory	1546	1666	N/A	N/A	1504	1629
C	Passage	1220	1336	N/A	N/A	1283	1408
E	Privacy	1601	1721	N/A	N/A	1463	1588
G	Classroom	1432	1548	N/A	N/A	1447	1572
H	Entrance	1590	1710	N/A	N/A	1548	1673
I	Office	1432	1548	N/A	N/A	1447	1572
J	Storeroom	1421	1537	N/A	N/A	1436	1561
K	Apartment	1625	1745	N/A	N/A	1583	1708
T	Patio	1443	1563	N/A	N/A	1439	1564
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1776	1891	N/A	N/A	1790	1915
JEL	Institutional Elec, Fail Safe	1776	1891	N/A	N/A	1790	1915
Magnetic Functions							
BM	Dormitory	2310	2429	N/A	N/A	2267	2392
CM	Passage	1984	2099	N/A	N/A	2046	2171
EM	Privacy	2365	2484	N/A	N/A	2220	2345
JM	Storeroom	2152	2267	N/A	N/A	2166	2291
TM	Patio	2207	2326	N/A	N/A	2203	2328
Dummy Functions							
Y	Active Double Dummy	1113	1229	N/A	N/A	1175	1301
YS	Active Double Strike	1729	1844	N/A	N/A	1791	1916
Z	Active Single Dummy	826	884	N/A	N/A	857	920
ZS	Active Single Strike	1442	1499	N/A	N/A	1470	1532
Deadlock Functions							
N	Key x Key	447	447	N/A	N/A	447	447
P	Key x TT	513	517	N/A	N/A	513	517

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions,
please specify hand.



1134



1163



1242



1267

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-7615-234-M1-RH-134

Example for Specifying

Elements Series - SML

Standard Mortise Locks



Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	829	945	N/A	N/A	849	959
B	Dormitory	840	969	N/A	N/A	889	1019
C	Passage	637	738	N/A	N/A	693	800
E	Privacy	794	924	N/A	N/A	852	982
G	Classroom	820	929	N/A	N/A	852	960
H	Entrance	884	1013	N/A	N/A	933	1063
I	Office	820	929	N/A	N/A	852	960
J	Storeroom	809	918	N/A	N/A	840	949
K	Apartment	919	1048	N/A	N/A	968	1098
T	Patio	765	888	N/A	N/A	830	959
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1163	1272	N/A	N/A	1195	1304
JEL	Institutional Elec, Fail Safe	1163	1272	N/A	N/A	1195	1304
Magnetic Functions							
BM	Dormitory	1603	1733	N/A	N/A	1652	1782
CM	Passage	1400	1502	N/A	N/A	1457	1564
EM	Privacy	1557	1688	N/A	N/A	1609	1739
JM	Storeroom	1539	1648	N/A	N/A	1571	1680
TM	Patio	1529	1651	N/A	N/A	1594	1722
Dummy Functions							
Y	Active Double Dummy	529	631	N/A	N/A	647	586
YS	Active Double Strike	1145	1246	N/A	N/A	1262	1201
Z	Active Single Dummy	534	585	N/A	N/A	593	563
ZS	Active Single Strike	1150	1200	N/A	N/A	1208	1175
Deadlock Functions							
N	Key x Key	390	404	N/A	N/A	390	404
P	Key x TT	391	419	N/A	N/A	391	419

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-0105-234-M1-RH-134

Example for Specifying

Elements Series - SML

Standard Mortise Locks



1003



1016



1031



1106

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	892	1033	N/A	N/A	912	1047
B	Dormitory	902	1057	N/A	N/A	951	1106
C	Passage	699	826	N/A	N/A	756	888
E	Privacy	856	1012	N/A	N/A	915	1070
G	Classroom	883	1016	N/A	N/A	914	1048
H	Entrance	946	1101	N/A	N/A	995	1150
I	Office	883	1016	N/A	N/A	914	1048
J	Storeroom	871	1005	N/A	N/A	903	1037
K	Apartment	981	1136	N/A	N/A	1030	1185
T	Patio	828	975	N/A	N/A	893	1046
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1226	1360	N/A	N/A	1258	1391
JEL	Institutional Elec, Fail Safe	1226	1360	N/A	N/A	1258	1391
Magnetic Functions							
BM	Dormitory	1666	1820	N/A	N/A	1715	1870
CM	Passage	1463	1589	N/A	N/A	1519	1651
EM	Privacy	1620	1775	N/A	N/A	1672	1827
JM	Storeroom	1602	1736	N/A	N/A	1634	1767
TM	Patio	1591	1739	N/A	N/A	1656	1810
Dummy Functions							
Y	Active Double Dummy	592	718	N/A	N/A	734	649
YS	Active Double Strike	1207	1334	N/A	N/A	1350	1264
Z	Active Single Dummy	566	629	N/A	N/A	637	594
ZS	Active Single Strike	1181	1244	N/A	N/A	1252	1206
Deadlock Functions							
N	Key x Key	390	404	N/A	N/A	390	404
P	Key x TT	391	419	N/A	N/A	391	419

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



1242



1246



1267

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn

SML-E-1147-RA-SI-0105-234-M1-RH-134

Example for Specifying

Elements Series - SML

Standard Mortise Locks



1004



1074



1102

Available in 0105 finish only



1119



1245



1267



1291



1292

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	954	1070	N/A	N/A	974	1084
B	Dormitory	965	1094	N/A	N/A	1014	1144
C	Passage	762	863	N/A	N/A	818	925
E	Privacy	919	1049	N/A	N/A	977	1107
G	Classroom	945	1054	N/A	N/A	977	1085
H	Entrance	1009	1138	N/A	N/A	1058	1188
I	Office	945	1054	N/A	N/A	977	1085
J	Storeroom	934	1043	N/A	N/A	966	1074
K	Apartment	1044	1173	N/A	N/A	1093	1223
T	Patio	890	1013	N/A	N/A	955	1084
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1288	1397	N/A	N/A	1320	1429
JEL	Institutional Elec, Fail Safe	1288	1397	N/A	N/A	1320	1429
Magnetic Functions							
BM	Dormitory	1728	1858	N/A	N/A	1777	1907
CM	Passage	1525	1627	N/A	N/A	1582	1689
EM	Privacy	1682	1813	N/A	N/A	1734	1864
JM	Storeroom	1664	1773	N/A	N/A	1696	1805
TM	Patio	1654	1776	N/A	N/A	1719	1847
Dummy Functions							
Y	Active Double Dummy	654	756	N/A	N/A	772	711
YS	Active Double Strike	1270	1371	N/A	N/A	1387	1326
Z	Active Single Dummy	597	648	N/A	N/A	656	625
ZS	Active Single Strike	1212	1263	N/A	N/A	1271	1237
Deadlock Functions							
N	Key x Key	390	404	N/A	N/A	390	404
P	Key x TT	391	419	N/A	N/A	391	419

Options are found on page 131.

Keying Charges are found on page 546.

Note: When ordering Z and ZS functions, please specify hand.



Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Full options are found on page 131.

Lock Type
Function
Lever
Trim Set

SML-E-1147-RA-SI-0105-234-M1-RH-134
Example for Specifying

SML

Standard Mortise Locks

Special Notes

- All SML listed prices are for 2 ¾" backset only.
- When ordering YS and ZS functions please specify the opposing lock function.
- When ordering Z and ZS Functions please specify Hand.
- When ordering RF Trim only the crescent thumbturn is available (pictured).



RF

Electrified Notes

- Please specify 12 V or 24 V when ordering electrified locks as shown below.
Example: SML-JEU-1147-RA-6204-234-M1-RH-134-**12V**
- SML Electrified Locks are 2 ¾" backset standard; available in 2 ½" backset by quote only.

Standard Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Electrified Monitoring	RX - Request to Exit Switch	Add	334
	DP - Door Position Switch	Add	334
	LM - Latchbolt Monitoring Switch	Add	334
Backsets	2 ½" Backset	Add	N/C
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Parts	Descriptions		Unit	Stainless	Bronze
Strikes	M2-M4 Strikes	See strike chart in catalog for sizes	Each	41	50
	M5 -M10 Strikes	See strike chart in catalog for sizes	Each	51	62
	M1M	Strike for Magnetic Lock Body	Each	41	50
Faceplate	SML FP	Faceplate for SML Series	Each	41	50
Dust Box	SML 2002	Stainless Steel Dust Box	Each	25	N/A

SML Thumbturn and Release Options



ADA

Options	Descriptions			Price
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	148
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	70



Narrow Mortise Lock

NML Series

Quality

The FSB Narrow Mortise Lock (NML) is manufactured in the United States to meet the stringent demands of high-traffic commercial, institutional, and governmental applications. Built using a heavy-gauge steel case, the lock features the ability to fit very narrow style door conditions. Also an excellent choice for high end residential applications. The lock is backed by a 10 year warranty.

Magnetic Option

The FSB Magnetic Narrow Mortise Lock (NML) is manufactured in the United States to meet the stringent demands of high-traffic applications. Built using a heavy-gauge steel case, the lock features a magnetic latchbolt and a stainless steel deadbolt. Also an excellent choice for high end residential applications.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 designer levers and trim that can be suited with our Entrance, Standard and European mortise locks, tubular locks, sliding door locks, sliding door hardware, and door pulls FSB will complement your design vision.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.






- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

- **Stainless Steel**
- **Bronze**
- **Aluminum**

Specifying Narrow Mortise Locksets

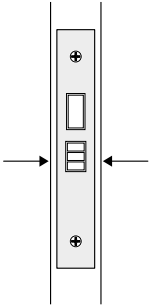
Narrow Mortise Locksets (NML)

NML

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator
NML	E	1147	RA	SN*
Insert your choice of Lock Type.	Insert your choice of function using one of the letter codes below	Insert your choice of lever or design using one of the four digit codes.	Insert your choice of rose or escutcheon using one of the two digit codes.	Insert your choice of thumbturn and indicator if necessary using the codes provided.
NML	A Store Door B Dormitory C Passage E Privacy G Classroom H Entrance I Office J Storeroom N Key x Key Deadlock P Key x Thumbturn Deadlock T Patio Y Active Double Dummy YS Active Double Strike Z Active Single Dummy ZS Active Single Strike Magnetic Latch Functions BM Dormitory CM Passage EM Privacy JM Storeroom TM Patio	Premium/Elements 1003 1108 1004 1119 1005 1134 1015 1144 1016 1146 1021 1147 1023 1163 1025 1183 1031 1243 1035 1244 1045 1245 1053 1246 1058 1254 1070 1267 1074 1289* 1075 1291 1076 1292 1102 1293 1106 1107 * Elements Only	Premium/Elements RA Rose 2 ³ / ₁₆ " (55 mm) RF Narrow Rose RM Square Rose (55 mm) RP Minimal Rose (30 mm) EC Long Rounded ED Long Rectangular Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.	Premium/Elements  Standard thumbturn available with roses and escutcheons S  ADA thumbturn available with RA, RD, and RM roses D  Crescent thumbturn available with RF Trim only C Premium/Elements Emergency Releases  N  I * Thumbturn and/or Indicator choices are only necessary with the B, E, H, P, R, S, and T lock functions.

Example for Specifying

NML - E - 1147 - RA - SN - 6204 - 200 - N1 - RH - 134

Material and Finish	Backset	Strike	Handing	Door Thickness
<p>6204</p> <p>Insert your choice of material and finish using one of the codes below.</p> <p>Premium Series</p> <p>Stainless Steel</p> <ul style="list-style-type: none"> 6204 Satin (630) 6205 Polished (629) <p>Bronze</p> <ul style="list-style-type: none"> 7615 Aged, Waxed (615) 7625 Dark Oxidized, Waxed (613) <p>Elements Series</p> <p>Non-Anodized Aluminum</p> <ul style="list-style-type: none"> 0013 Pure Aluminum, Natural <p>Anodized Aluminum</p> <ul style="list-style-type: none"> 0105 Natural Color (628) <p>Textured Anodized Aluminum</p> <ul style="list-style-type: none"> 0510 Medium Bronze Color 0710 Dark Bronze Color (710) 0810 Black Color (711) <p>Powder Coated Aluminum</p> <ul style="list-style-type: none"> 8120 Black (671) 8220 White (714) 8876 Light Bronze 8877 Pale Bronze 	<p>112</p> <p>Insert your choice of backset using one of the three digit codes below</p> <p>Standard</p> <p>200 2" Backset</p> <p>Special Order</p> <p>112 1½" Backset (Only available with RF, EC, ED Trim)</p> <p>134 1¾" Backset (Not available with RD Trim)</p> <p>214 2¼" Backset</p>	<p>N1</p> <p>Insert your choice of strike using one of the two letter codes below</p> <p>Spring Latch</p> <p>N1</p> <p>Special Order</p> <p>N2</p> <p>N3</p> <p>N4</p> <p>N5</p> <p>N6</p> <p>N7</p> <p>N8</p> <p>N9</p> <p>N10</p> <p>N11</p> <p>N12</p> <p>N13</p> <p>Magnetic Latch</p> <p>N1M</p> <p>Note: All magnetic locks come with a standard no-lip strike, use "N1M" designator.</p>	<p>RH</p> <p>Insert your choice of hand using one of the two letter codes below</p> <p>RH Right Hand</p> <p>RR Right Hand Reverse</p> <p>LH Left Hand</p> <p>LR Left Hand Reverse</p>	<p>134</p> <p>Insert your choice of door thickness using one of the three digit codes.</p> <p>Standard</p> <p>134 1¾"</p> <p>Special Order</p> <p>138 1⅜"</p> <p>200 2"</p> <p>214 2¼"</p> <p>All sizes over 2¼" thick please consult FSB.</p> 

Narrow Mortise Locks

Series NML Functions

NML



Spring Latch



Magnetic Latch

Series NML

Narrow Mortise Lock

Backsets

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

* Only available with RF, EC, ED Trim
 ** Not available with RD Trim

Strike

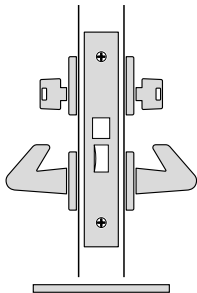
See page 162 for NML-Spring Latch strike lip to center information.

All NML-Magnetic Latches come with universal no-lip strike and magnetic dustbox.

Function A

Store Door

ANSI Code F14



Straight Spindle

Description

Latch bolt by handle either side.
 Deadbolt by key either side.
 No emergency egress.

Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

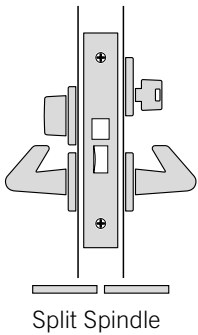
Narrow Mortise Locks

Series NML Functions

Function B

Dormitory

ANSI Code F13



Description

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.

Premium and Elements Series Trim Sets

RA-S



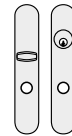
RD-S



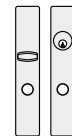
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



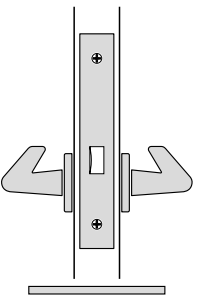
RP-C



Function C

Passage

ANSI Code F01



Description

Latch bolt by handle either side.

Premium and Elements Series Trim Sets

RA



RD



RF



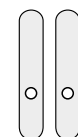
RM



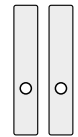
RP



EC



ED



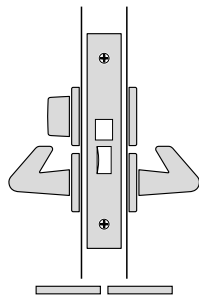
Narrow Mortise Locks

Series NML Functions

Function E

Privacy

ANSI Code F19



Split Spindle

Description

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

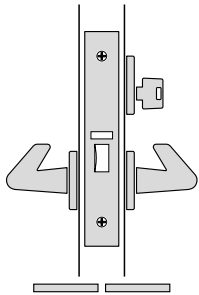
Premium and Elements Series Trim Sets

RA-SN/SI	RD-SN/SI	RM-SN/SI	EC-SN/SI	ED-SN/SI
RA-DN/DI	RD-DN/DI	RM-DN/DI	RF-CI	RP-CI

Function G

Classroom

ANSI Code F05



Split Spindle

Description

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

Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

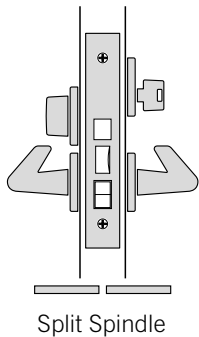
Narrow Mortise Locks

Series NML Functions

Function H

Entrance

ANSI Code F12



Description

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 simultaneously. Outside handle is rigid when deadbolt is thrown by key or thumbturn.

Premium and Elements Series Trim Sets

RA-S



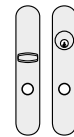
RD-S



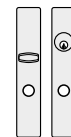
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



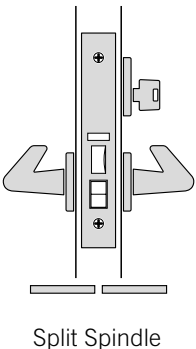
RP-C



Function I

Office

ANSI Code F04



Description

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

Premium and Elements Series Trim Sets

RA



RD



RM



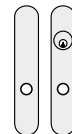
RF



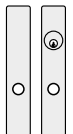
RP



EC



ED



Narrow Mortise Locks

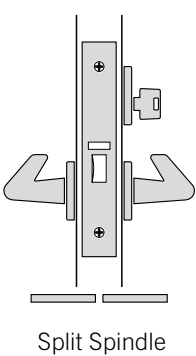
Series NML Functions

Function J

Storeroom

ANSI Code F07

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



Premium and Elements Series Trim Sets

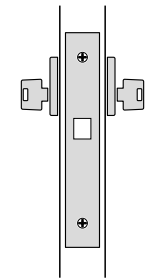
RA	RD	RM	RF	RP	EC	ED

Function N

Key x Key Deadlock

ANSI Code F16

Description
 Deadbolt by key either side.



Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

Narrow Mortise Locks

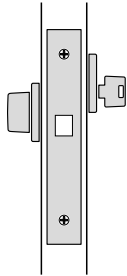
Series NML Functions

Function P

**Key x Thumbturn
Deadlock**

Description
Deadbolt by key outside and thumbturn inside.

ANSI Code F17



Premium and Elements Series Trim Sets

RA-S



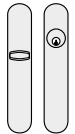
RD-S



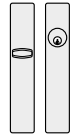
RM-S



EC-S



ED-S



RA-D



RD-D



RF-C



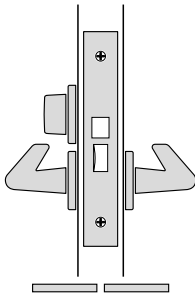
RP-C



Function T

Patio

Description
Latch bolt by handle either side.
Deadbolt by thumbturn inside.
Outside handle is rigid when deadbolt is thrown by thumbturn.
Use of inside handle retracts latch and deadbolt simultaneously.



Split Spindle

Premium and Elements Series Trim Sets

RA-S



RD-S



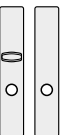
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



RP-C



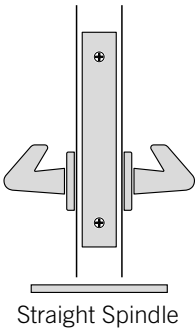
Narrow Mortise Locks

Series NML Functions

Function Y

(Double Lever)
Active Dummy
Mortise Case

Description
Active dummy handle either side.



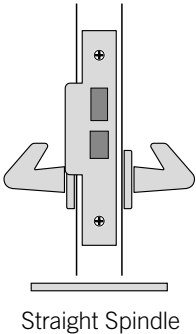
Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

Function YS

(Double Lever)
Active Dummy
Mortise Case
Prepared as Strike

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



Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

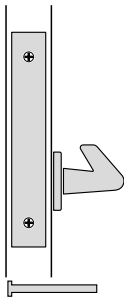
Narrow Mortise Locks

Series NML Functions

Function Z

(Single Lever)
Active Dummy
Mortise Case

Description
Active dummy handle single side only with blind cover on opposing side where applicable as diagramed below.



Premium and Elements Series Trim Sets

RA	RD	RF	RM	EC	ED



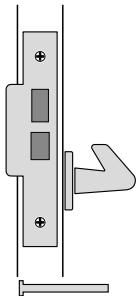
NML

Function ZS

(Single Lever)
Active Dummy
Mortise Case

Description
Active dummy handle single side. Case front includes integrated strike and dust box to be utilized on inactive leaf.

Strike regularly supplied with curved lip. (ANSI Standard A 115.1)



Premium and Elements Series Trim Sets

RA	RD	RF	RM	EC	ED



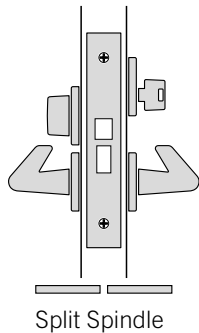
Narrow Mortise Locks

Series NML Functions

Function BM

Magnetic Dormitory

ANSI Code F13



Description
 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.



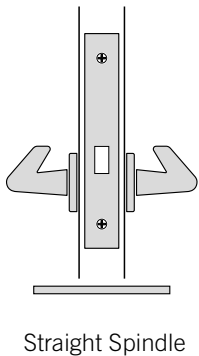
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C

Function CM

Magnetic Passage

ANSI Code F01



Description
 Latch bolt by handle either side.



Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

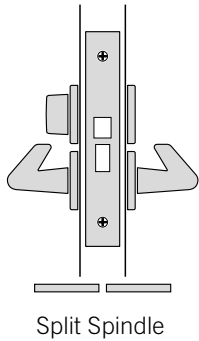
Narrow Mortise Locks

Series NML Functions

Function EM

Magnetic Privacy

ANSI Code F19

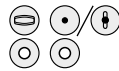


Description

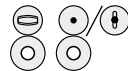
Latch bolt by handle either side.
Deadbolt by thumbturn inside and emergency release outside.
Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle.
Outside handle is rigid when deadbolt is thrown by thumbturn.

Premium and Elements Series Trim Sets

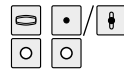
RA-SN/SI



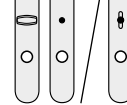
RD-SN/SI



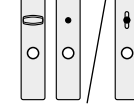
RM-SN/SI



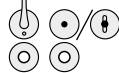
EC-SN/SI



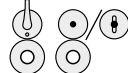
ED-SN/SI



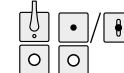
RA-DN/DI



RD-DN/DI



RM-DN/DI



RF-CI



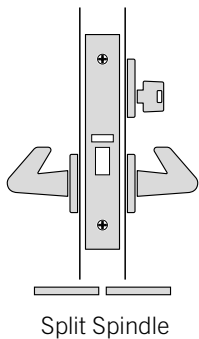
RP-CI



Function JM

Magnetic Storeroom

ANSI Code F07



Description

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

Premium and Elements Series Trim Sets

RA



RD



RM



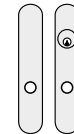
RF



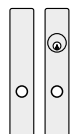
RP



EC



ED



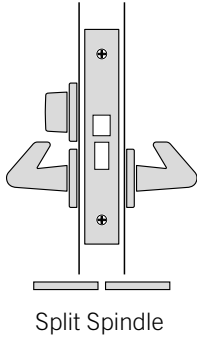
Narrow Mortise Locks

Series NML Functions

Function TM

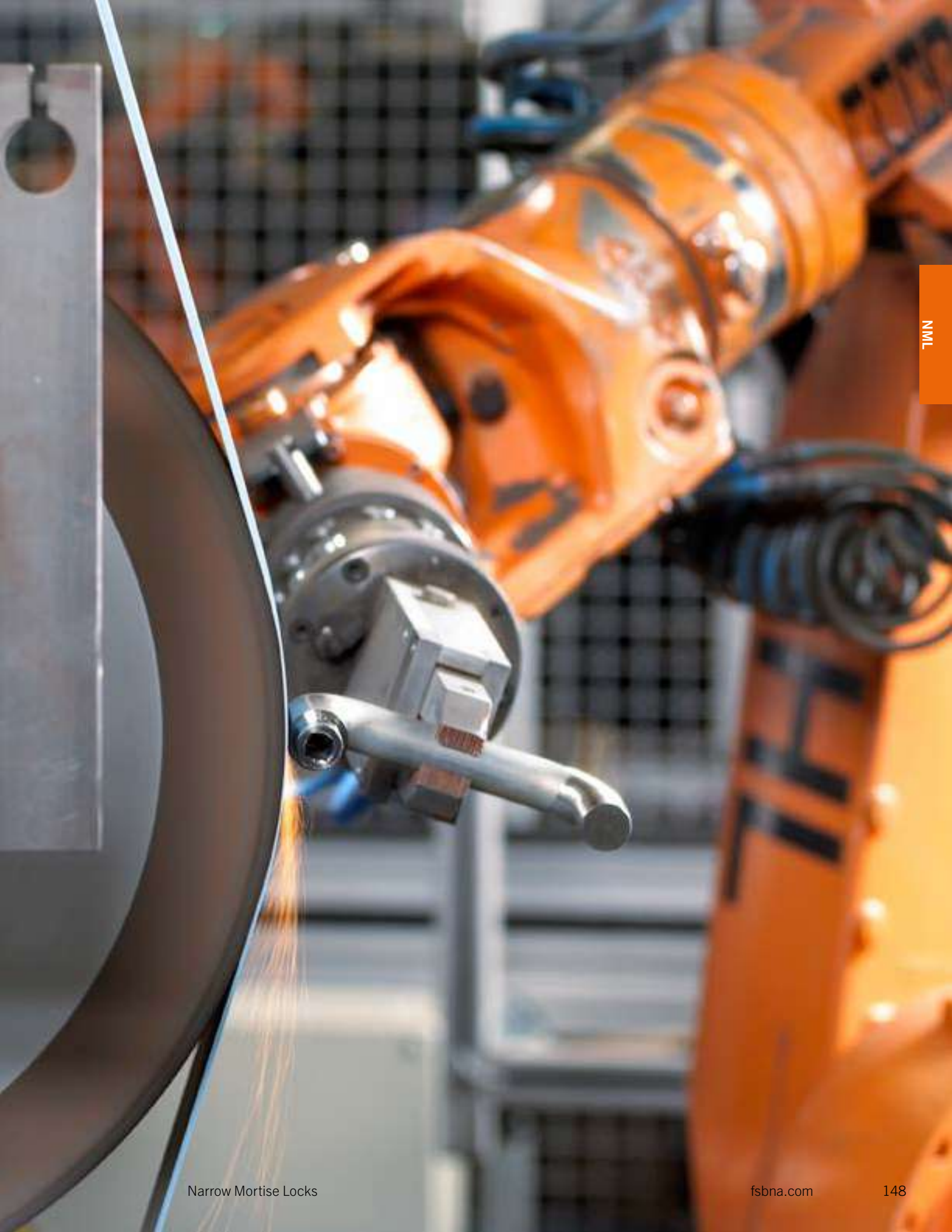
Magnetic Patio

Description
 Latch bolt by handle either side.
 Deadbolt by thumbturn inside.
 Outside handle is rigid when deadbolt
 is thrown by thumbturn.
 Use of inside handle retracts latch
 and deadbolt simultaneously.



Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	EC-S	ED-S
RA-D	RD-D	RM-D	RF-C	RP-C




Trim Set Overview

Series NML

NML

RA

55mm Round




RD

65mm Round




RF

Oval




RM

55mm Square




RP

30mm Round




EC

Escutcheon



ED

Escutcheon




	Premium Series	Elements Series	
Material	<div> <div></div> <div>Stainless Steel</div> </div> <div> <div></div> <div>Bronze</div> </div>	<div> <div></div> <div>Aluminum</div> </div>	
Finishes	<div> <div></div> <div>6204 (630)</div> </div> <div> <div></div> <div>6205 (629)</div> </div> <div> <div></div> <div>7615 (615)</div> </div> <div> <div></div> <div>7625 (613)</div> </div>	<div> <div></div> <div>0013</div> </div> <div> <div></div> <div>0105 (628)</div> </div> <div> <div></div> <div>8120</div> </div> <div> <div></div> <div>8220</div> </div> <div> <div></div> <div>0510</div> </div> <div> <div></div> <div>0710 (710)</div> </div> <div> <div></div> <div>0810 (711)</div> </div> <div> <div></div> <div>8876</div> </div> <div> <div></div> <div>8877</div> </div>	

Round Lever Roses

Series NML

RA


17 1731 01401 

Rose $2\frac{3}{16}$ " (55 mm)

*Includes finish rose and sub-rose



RD


17 1798 02401 

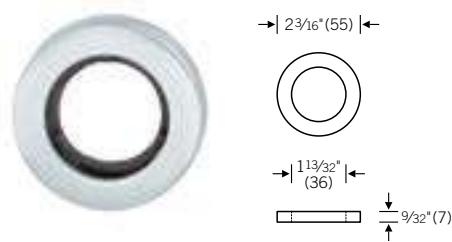
Rose $2\frac{9}{16}$ " (65 mm)

*Includes finish rose and sub-rose



Cylinder Ring

17 1735 12601 




Cylinder must be ordered separately

NML

Thumbturns for RA 55mm & RD 65mm Roses

Series NML

S

17 1744 00169 
Standard Thumbturn

NML




RA - Configuration
55mm S Thumbturn
55mm Lever Rose

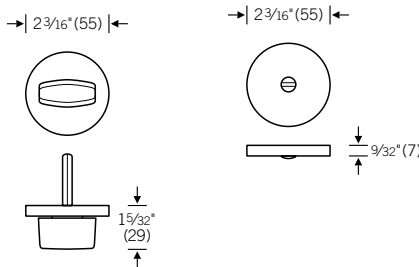


RD - Configuration
55mm S Thumbturn
65mm Lever Rose


Standard Turn with Emergency Release (SN)

17 1744 00160 

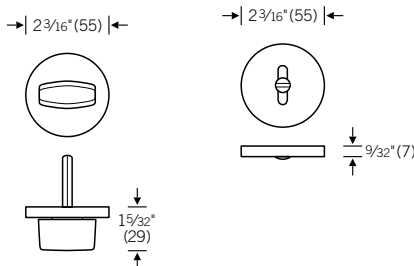
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159 

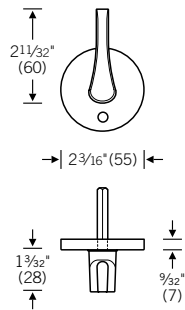
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RA 55mm & RD 65mm Roses Series NML

D

17 1744 09169 ■■■
ADA Thumbturn



RA - Configuration
55mm D Thumbturn
55mm Lever Rose



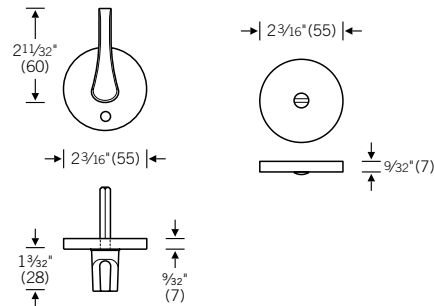
RD - Configuration
55mm D Thumbturn
65mm Lever Rose

NML

ADA Turn with Emergency Release (DN)

17 1744 09160 ■■■

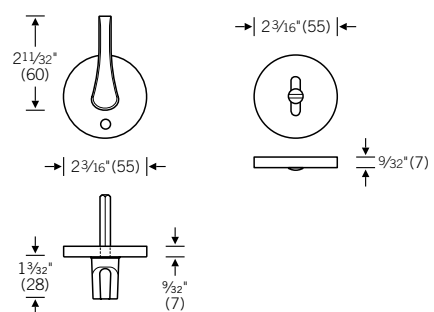
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1744 09159 ■■■

Trim Set - Includes two rose assemblies, spindle and screws

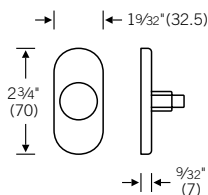


Trim Set RF Narrow Rose Series NML

RF

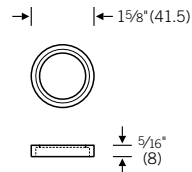
17 1758 10001 ■ ■
Narrow Rose

NML



Cylinder Ring

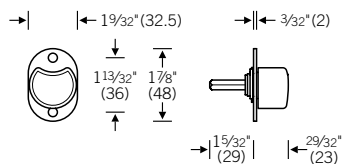
03 0450 19001 ■ ■



Cylinder must be
ordered separately

C

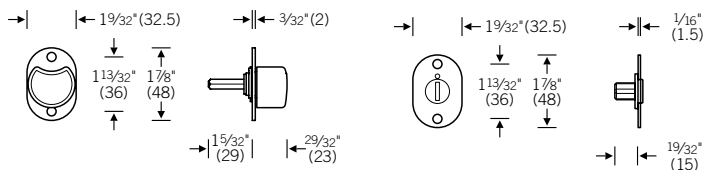
03 0418 09001 ■ ■
Crescent Thumbturn



Crescent Turn with Emergency Release and Indicator (CI)

03 0418 09002 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws






*Non Indicator only for Stainless Steel

**RF Crescent turn and privacy release in plated Stainless and
only available without indicator

Square and Minimal Lever Roses

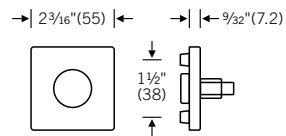
Series NML

RM




17 1703 01401   

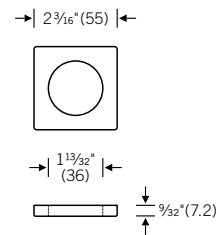
Square Rose

*Includes finish rose and sub-rose



Cylinder Ring



17 1704 12601   



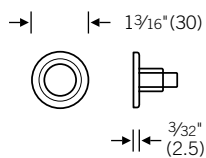
Cylinder must be ordered separately

NML

RP


03 0450 09290  

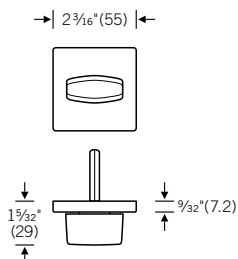
Minimal Rose



Thumbturns for RM 55mm Series NML

S

17 1712 00169 
Standard Thumbturn

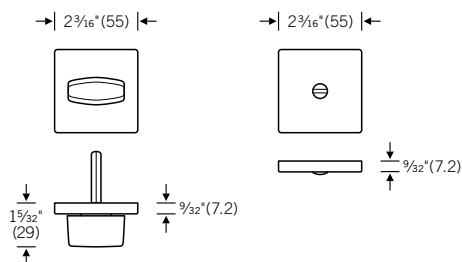


RM - Configuration
55mm S Thumbturn
55mm Lever Rose


Standard Turn with Emergency Release (SN)

17 1712 00160 

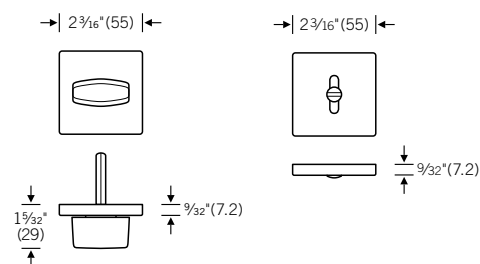
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)


17 1712 00159 

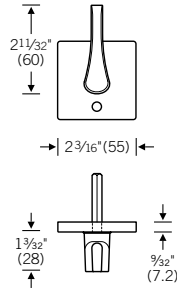
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Series NML


D

17 1712 09169 
ADA Thumbturn

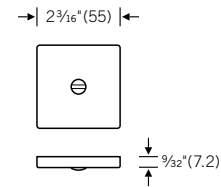
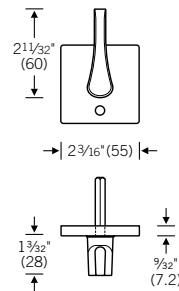


RM - Configuration
55mm D Thumbturn
55mm Lever Rose


ADA Turn with Emergency Release (DN)

17 1712 09160 

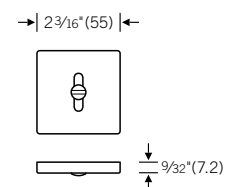
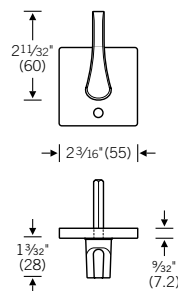
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 


Trim Set - Includes two rose assemblies, spindle and screws



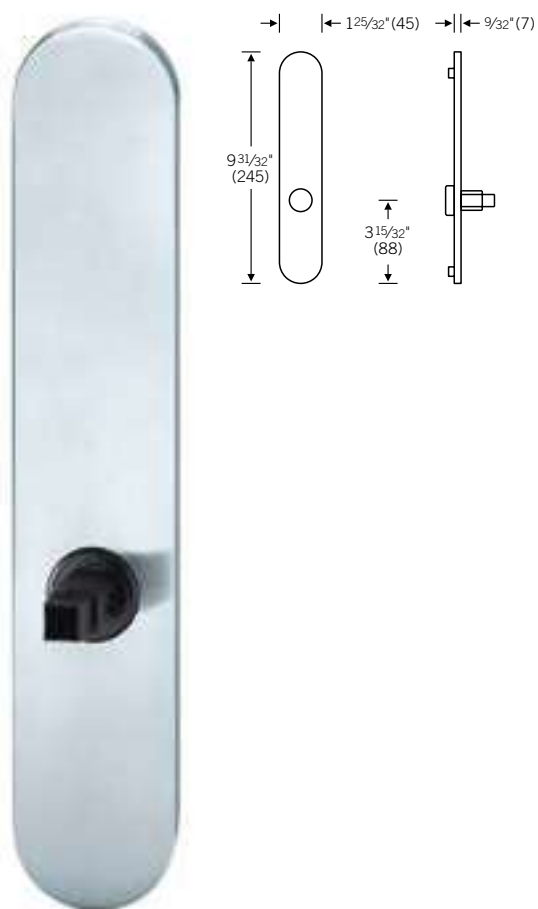
Trim Sets for EC Long Rounded Escutcheon Plate Series NML

NML


EC

14 1418 09100 
9 5/8" (245 mm)

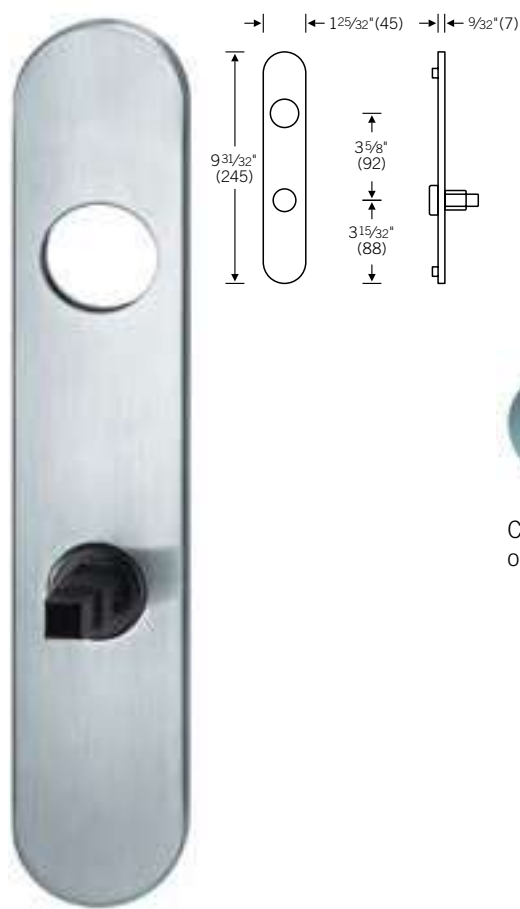
*Includes finish rose and sub-rose



Cylinder Hole

14 1418 09101 


*Includes finish rose and sub-rose



Cylinder must be
ordered separately

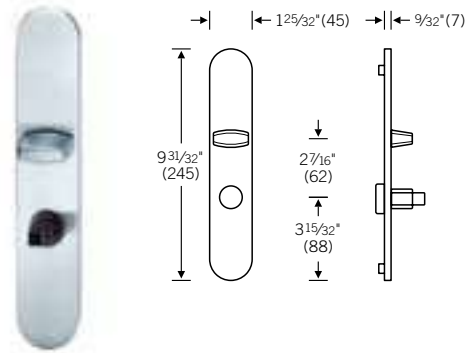
Trim Sets for EC Long Rounded Escutcheon Plate Series NML

S


14 1418 09102 

Standard Thumbturn

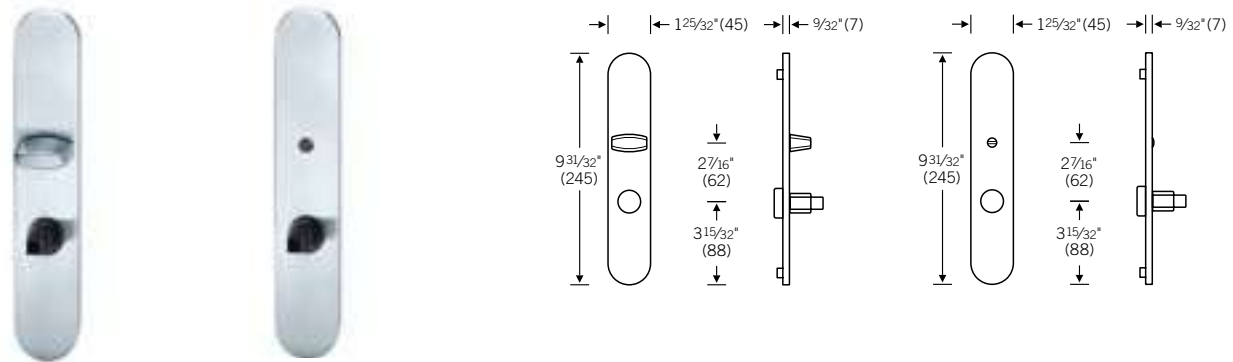
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1418 09103 

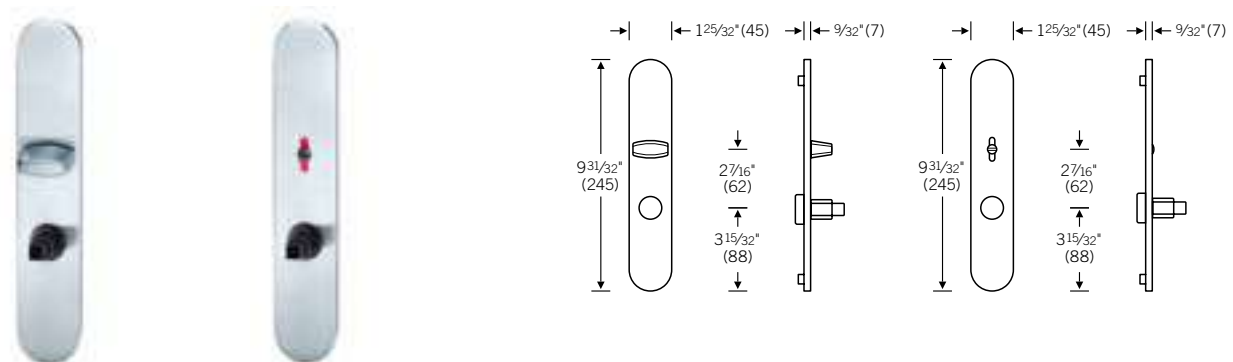
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1418 09113 


Trim Set - Includes two rose assemblies, spindle and screws



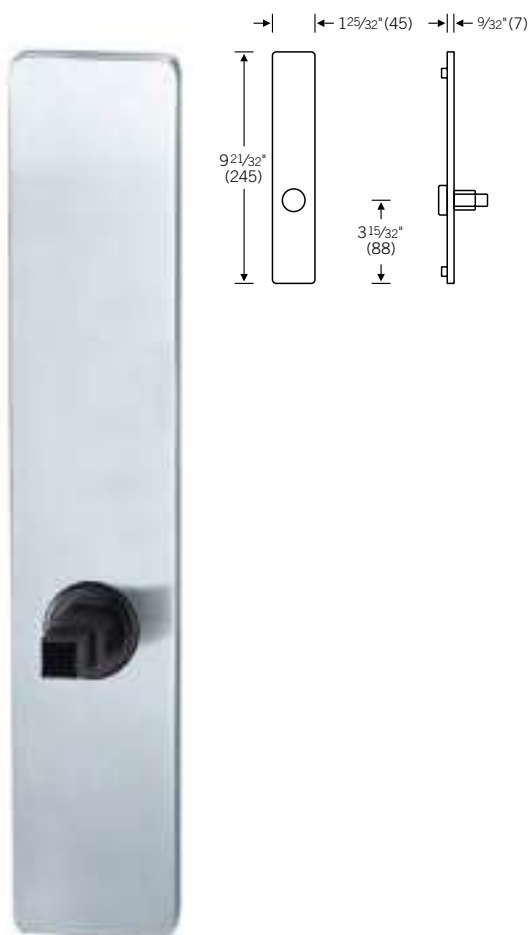
Trim Sets for ED Long Rectangular Escutcheon Plate Series NML

NML


ED

14 1410 09100 
9 5/8" (245 mm)

*Includes finish rose and sub-rose



Cylinder Hole

14 1410 09101 


*Includes finish rose and sub-rose



Cylinder must be
ordered separately

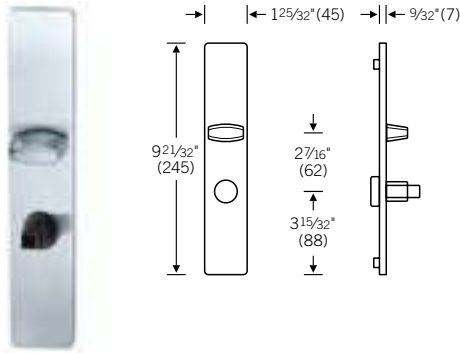
Trim Sets for ED Long Rectangular Escutcheon Plate Series NML

S


14 1410 09102 

Standard Thumbturn

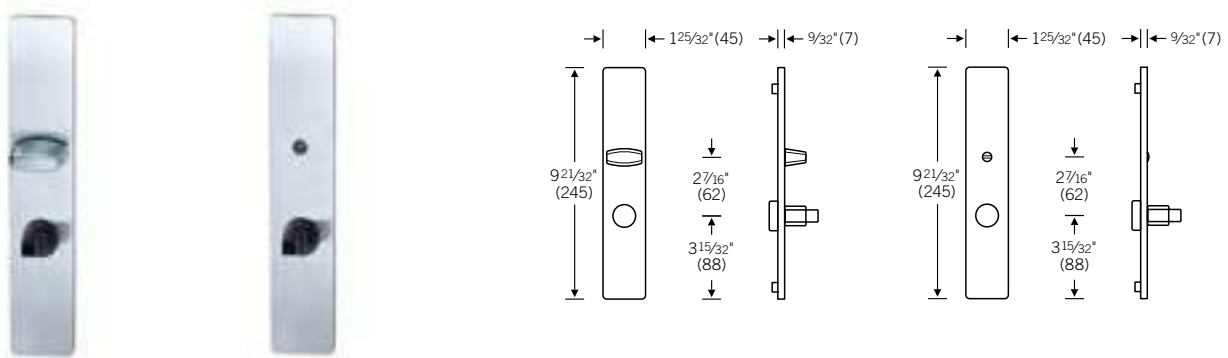
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1410 09103 

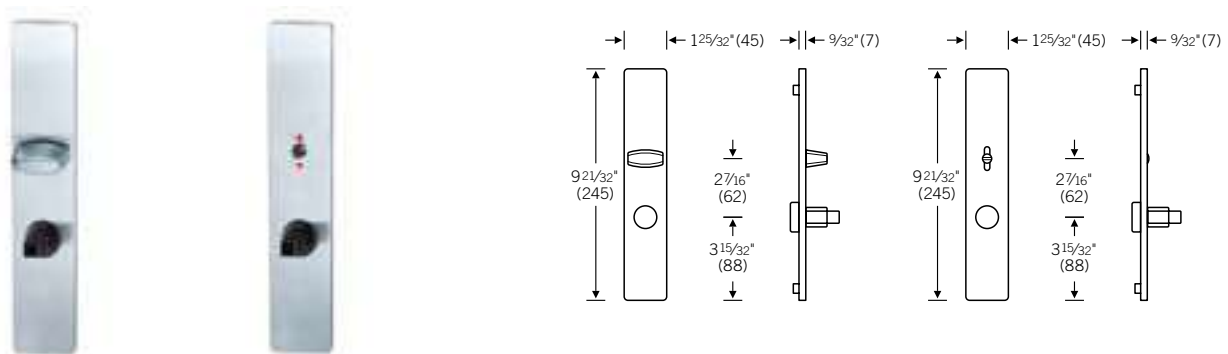
Trim Set - Includes two rose assemblies, spindle and screws



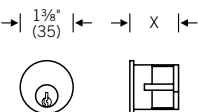
Standard Turn with Emergency Release and Indicator (SI)

14 1410 09113 

Trim Set - Includes two rose assemblies, spindle and screws



88 8806



- 88 8806 07165 Length X = 1"
- 88 8806 07185 Length X = 1 1/8"
- 88 8806 07205 Length X = 1 1/4"
- 88 8806 07245 Length X = 1 1/2"
- 88 8806 07285 Length X = 1 3/4"
- 88 8806 07325 Length X = 2"

FSB mortise cylinders are supplied (keyed differently) and are available in the 6 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).

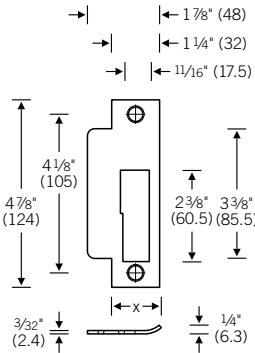
- Cap Finishes**
- US28 (matches FSB 0105) Aluminum Natural Color Anodized
 - US10B Oil Rubbed Bronze
 - US19 Flat Black
 - US32 Polished Stainless Steel
 - US32D Satin Stainless Steel

- Cam Types**
- SC19 (clover cam);
used for all mortise locks

Trim	Door Thickness	Cylinder Length	Single Cylinder	Cylinder Length X2	Double Cylinder
All roses	1 3/8"	1"	88 8806 7165sc19	N/A	N/A
	1 3/4"	1 1/8"	88 8806 7185sc19	1"	88 8806 7165sc19
	2"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 1/4"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 3/8"	1 1/2"	88 8806 7245sc19	Call	
	3"	1 1/4"	88 8806 7285sc19	Call	
	3 1/4"	1 7/8"	88 8806 7305sc19	Call	
	3 1/2"	2"	88 8806 7325sc19	Call	
Escutcheons	1 3/8"	N/A	N/A	N/A	N/A
	1 3/4"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2"	1 1/4"	88 8806 7205sc19	1 1/8"	88 8806 7185sc19
	2 1/4"	1 1/2"	88 8806 7245sc19	1 1/4"	88 8806 7205sc19
	2 3/8"	1 3/4"	88 8806 7285sc19	Call	
	3"	1 7/8"	88 8806 7305sc19	Call	
	3 1/4"	2"	88 8806 7325sc19	Call	

Note: For offset doors, all FSB trim is 7mm thick

Narrow Mortise Locks Strikes



NML 1001

NML Series Mortise Strike (ANSI/ASA Strike) with dustbox

Standard **N1** = 1 1/4" (32 mm)

NML 1001 99

NML Series Extended Lip* Mortise Strike (ANSI/ASA Strike) with dustbox

* identify lip to center (x dimension) and specify mortise strike number

Mortise Strike Number	Lip To Center Dimension (x)	Typical Door Thickness*	ANSI Strike Type
N1	1 1/4"	1 3/8" - 1 3/4"	Curved Lip (Std.)
N2	1 1/8"	1 1/2"	Curved Lip
N3	1 3/8"	2"	Curved Lip
N4	1 1/2"	2 1/4"	Curved Lip
N5	1 3/4"	2 3/4"	Curved Lip
N6	2"	3 1/4"	Curved Lip
N7	2 1/4"	3 1/4"	Curved Lip
N8	2 1/2"	4 1/4"	Curved Lip
N9	2 3/4"	4 3/4"	Curved Lip
N10	3"	5 1/4"	Curved Lip
N11	1 3/4"	2 3/4"	Open Back
N12	2"	3 1/4"	Open Back
N13	2 1/4"	3 1/4"	Open Back

***Based on Lock centered in door
Strikes are handed. Please specify hand.**

Rabbeted Strikes

Standard - NRFS1
Traditional - NRFS2

Rabbeted depth 1/2" deep centered within the door.
Please specify lock number and door thickness.

For custom strikes, please call FSB.

All magnetic NML come with universal no-lip strike and magnetic dustbox.

Narrow Mortise Locks

Suggested Specification

NML

All mortise locksets shall be provided from one manufacturer and shall be capable of providing backsets from 1 ½" to 2 ¼" backset using the same lever and trim designs from FSB North America.

All levers and trim design shall be capable of being suited to operate tubular and sliding door locks to maintain the design throughout the project. All locks and trim must be provided by the same manufacturer.

Certification:

ANSI A117.1 Accessibility Code, (formerly Title 19, California State Fire Marshal Standard) Lever handle trim.

Note: Certifications pending for all magnetic lock functions.

All locks, levers, and trim shall be from one manufacturer.

All mechanical locksets shall carry a 10 year limited warranty.

Steel Case

Size varies according to backset. Heavy gauge .093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Armor Front and Scalp

.218" x 1.25" x 8"
(5.5 x 32 x 203 mm) or
.218" x 1" x 8"
(5.5 x 25.4 x 203 mm).
Adjustable for beveled conditions from flat to standard bevel
.125" on 2" (3 mm on 51 mm).

Faceplate (Scalp only)

.062" x 1.25" x 8"
(1.57 x 32 x 203 mm) or
.062" x 1" x 8"
(1.57 x 25.4 x 203 mm). Wrought stainless steel, bronze or brass substrate.

Spring Latch Bolt

.5" x 1" (12.7 x 25.4 mm) x
.5" (12.7 mm) throw.
One-piece solid brass.

Magnetic Latch Bolt

.5" x 1" (12.7 x 25.4 mm) x
.5" (12.7 mm) throw.
One-piece magnetic latch bolt.

Deadbolt

.625" x .75" (16 x 19 mm) x
1" (25.4 mm) throw with hardened steel saw-proof inserts. Solid brass.

Hub (Solid)

.315 (8 mm) square solid brass with one way rotation for levers (LS) and two-way rotation for knobs (KS).

Thumbturn Hub

.2" (5 mm) diamond, solid brass, 90 degree rotation.

Backsets

1.50" (38 mm), 1.75" (45 mm), 2.00" (51 mm), 2.25" (57 mm).

Spacing

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

Through-bolting

1.5" (38 mm) to 1.6875" (43 mm) center to center.

Strike for Spring Latch

4.875" x 1.25" (124 x 32 mm) lip to center. Wrought stainless steel, bronze, and brass substrate finished to match. Supplied to ANSI Standard A 115.1. Regularly furnished with curved lip strike with plastic dust box. Flat lip, full lip, special length strikes and wrought dust boxes may be had on a special order basis.

Strike for Magnetic Latch

All magnetic locks will be supplied with a standard no-lip strike.

Template

Doors and frames to be prepared in accordance with ANSI A 115.11.

Face cutouts and center to center dimensions are subject to variation. Always review trim requirements prior to door preparation.



FSB ASL® Subrose

Product variants

Roses RA, RD, RM, RS, and ED-EC escutcheons contain added spring assistance.

Adaptor

All FSB base roses are screwed to the door leaf first, without the cover or the lever. Additionally, it is no longer necessary to “screw past” the handle shank.

Fasteners

Fastening by through-fixed bolting with retention lugs and machine screws or surface mounted fasteners.

Spindles

The 8 mm straight spindle caters to standard door thicknesses from 1 3/8 to 2 1/4 inches but can extend to 3 3/4 inches for special applications.

Availability

The FSB ASL® will be supplied with all FSB North America locksets.



Premium Series - NML

Narrow Mortise Locks



1005



1023



1035



1070



1146



1147

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1437	1554	N/A	N/A	1419	1532
B	Dormitory	1465	1595	N/A	N/A	1467	1601
C	Passage	1061	1154	N/A	N/A	1112	1222
E	Privacy	1419	1548	N/A	N/A	1425	1559
G	Classroom	1442	1544	N/A	N/A	1458	1567
H	Entrance	1535	1666	N/A	N/A	1537	1672
I	Office	1442	1544	N/A	N/A	1458	1561
J	Storeroom	1371	1474	N/A	N/A	1388	1491
T	Patio	1376	1494	N/A	N/A	1409	1542
Magnetic Functions							
BM	Dormitory	2561	2692	N/A	N/A	2563	1532
CM	Passage	2158	2251	N/A	N/A	2209	1601
EM	Privacy	2516	2645	N/A	N/A	2521	1222
JM	Storeroom	2468	2571	N/A	N/A	2651	1559
TM	Patio	2472	2590	N/A	N/A	2505	1567
Dummy Functions							
Y	Active Double Dummy	884	954	N/A	N/A	935	1021
YS	Active Double Strike	1877	1970	N/A	N/A	1928	2037
Z	Active Single Dummy	817	841	N/A	N/A	843	875
ZS	Active Single Strike	1810	420	N/A	N/A	1833	1887
Deadlock Functions							
N	Key x Key	786	764	N/A	N/A	786	764
P	Key x TT	803	795	N/A	N/A	803	795

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1075



1076



1107



1108

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1003



1015



1016



1058

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1498	1676	N/A	N/A	1481	1655
B	Dormitory	1526	1718	N/A	N/A	1528	1724
C	Passage	1123	1277	N/A	N/A	1174	1344
E	Privacy	1481	1671	N/A	N/A	1486	1681
G	Classroom	1503	1667	N/A	N/A	1513	1683
H	Entrance	1596	1788	N/A	N/A	1598	1794
I	Office	1503	1667	N/A	N/A	1513	1683
J	Storeroom	1433	1597	N/A	N/A	1443	1613
T	Patio	1437	1616	N/A	N/A	1470	1664
Magnetic Functions							
BM	Dormitory	2623	2814	N/A	N/A	2624	2820
CM	Passage	2219	2373	N/A	N/A	2270	2440
EM	Privacy	2577	2767	N/A	N/A	2582	2778
JM	Storeroom	2529	2693	N/A	N/A	2706	2926
TM	Patio	2533	2713	N/A	N/A	2566	2760
Dummy Functions							
Y	Active Double Dummy	945	1076	N/A	N/A	996	1143
YS	Active Double Strike	1938	2092	N/A	N/A	1989	2159
Z	Active Single Dummy	848	902	N/A	N/A	873	936
ZS	Active Single Strike	1841	481	N/A	N/A	1863	1948
Deadlock Functions							
N	Key x Key	786	764	N/A	N/A	786	764
P	Key x TT	803	795	N/A	N/A	803	795

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1106



1144



1242



1267

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1025



1031



1045



1053

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1650	1825	N/A	N/A	1419	1532
B	Dormitory	1678	1866	N/A	N/A	1467	1601
C	Passage	1275	1425	N/A	N/A	1112	1222
E	Privacy	1633	1819	N/A	N/A	1425	1559
G	Classroom	1655	1815	N/A	N/A	1458	1567
H	Entrance	1748	1936	N/A	N/A	1537	1672
I	Office	1655	1815	N/A	N/A	1458	1561
J	Storeroom	1584	1745	N/A	N/A	1388	1491
T	Patio	1589	1765	N/A	N/A	1409	1542
Magnetic Functions							
BM	Dormitory	2775	2963	N/A	N/A	2563	1532
CM	Passage	2371	2522	N/A	N/A	2209	1601
EM	Privacy	2729	2916	N/A	N/A	2521	1222
JM	Storeroom	2681	2841	N/A	N/A	2651	1559
TM	Patio	2685	2861	N/A	N/A	2505	1567
Dummy Functions							
Y	Active Double Dummy	1097	1225	N/A	N/A	935	1021
YS	Active Double Strike	2090	2240	N/A	N/A	1928	2037
Z	Active Single Dummy	924	977	N/A	N/A	843	875
ZS	Active Single Strike	1917	555	N/A	N/A	1833	1887
Deadlock Functions							
N	Key x Key	786	764	N/A	N/A	786	764
P	Key x TT	803	795	N/A	N/A	803	795

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1183



1244



1254

NML

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1004



1021



1074



1119



1293

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1804	1982	N/A	N/A	1787	1961
B	Dormitory	1832	2024	N/A	N/A	1834	2030
C	Passage	1429	1583	N/A	N/A	1480	1650
E	Privacy	1787	1977	N/A	N/A	1792	1987
G	Classroom	1809	1973	N/A	N/A	1819	1989
H	Entrance	1902	2094	N/A	N/A	1904	2100
I	Office	1809	1973	N/A	N/A	1819	1989
J	Storeroom	1738	1903	N/A	N/A	1749	1919
T	Patio	1743	1922	N/A	N/A	1776	1970
Magnetic Functions							
BM	Dormitory	2929	3120	N/A	N/A	2930	3126
CM	Passage	2525	2679	N/A	N/A	2576	2746
EM	Privacy	2883	3073	N/A	N/A	2888	3084
JM	Storeroom	2835	2999	N/A	N/A	3012	3232
TM	Patio	2839	3019	N/A	N/A	2872	3066
Dummy Functions							
Y	Active Double Dummy	1251	1382	N/A	N/A	1302	1449
YS	Active Double Strike	2244	2398	N/A	N/A	2295	2465
Z	Active Single Dummy	1001	1055	N/A	N/A	1026	1089
ZS	Active Single Strike	1994	634	N/A	N/A	2016	2101
Deadlock Functions							
N	Key x Key	786	764	N/A	N/A	786	764
P	Key x TT	803	795	N/A	N/A	803	795

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1243



1245



1291



1292

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1102



1134



1163

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
A	Store Door	1963	2166	N/A	N/A	1946	2144
B	Dormitory	1991	2207	N/A	N/A	1993	2213
C	Passage	1588	1766	N/A	N/A	1639	1834
E	Privacy	1946	2160	N/A	N/A	1951	2171
G	Classroom	1968	2156	N/A	N/A	1978	2173
H	Entrance	2062	2278	N/A	N/A	2063	2284
I	Office	1968	2156	N/A	N/A	1978	2173
J	Storeroom	1898	2086	N/A	N/A	1908	2103
T	Patio	1902	2106	N/A	N/A	1935	2154
Magnetic Functions							
BM	Dormitory	3088	3304	N/A	N/A	3089	3310
CM	Passage	2684	2863	N/A	N/A	2735	2930
EM	Privacy	3042	3257	N/A	N/A	3047	3267
JM	Storeroom	2994	3183	N/A	N/A	3171	3415
TM	Patio	2998	3202	N/A	N/A	3032	3250
Dummy Functions							
Y	Active Double Dummy	1410	1566	N/A	N/A	1461	1633
YS	Active Double Strike	2403	2582	N/A	N/A	2454	2649
Z	Active Single Dummy	1080	1147	N/A	N/A	1106	1181
ZS	Active Single Strike	2073	726	N/A	N/A	2096	2193
Deadlock Functions							
N	Key x Key	786	764	N/A	N/A	786	764
P	Key x TT	803	795	N/A	N/A	803	795

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

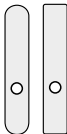
Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1804	890	N/A	N/A	1808	1869
B	Dormitory	1880	1958	N/A	N/A	1861	1922
C	Passage	1407	1481	N/A	N/A	1490	1551
E	Privacy	1934	2012	N/A	N/A	1815	1876
G	Classroom	1796	1870	N/A	N/A	1833	1894
H	Entrance	1950	2028	N/A	N/A	1931	1993
I	Office	1796	1870	N/A	N/A	1833	1894
J	Storeroom	1725	1800	N/A	N/A	1762	1824
T	Patio	1779	1858	N/A	N/A	1798	1859
Magnetic Functions							
BM	Dormitory	2976	3055	N/A	N/A	2958	3019
CM	Passage	2503	2577	N/A	N/A	2586	2648
EM	Privacy	3030	3109	N/A	N/A	2911	2972
JM	Storeroom	2822	2896	N/A	N/A	3102	3163
TM	Patio	2876	2954	N/A	N/A	2895	2956
Dummy Functions							
Y	Active Double Dummy	1251	1303	N/A	N/A	1312	1373
YS	Active Double Strike	2244	2296	N/A	N/A	2305	2366
Z	Active Single Dummy	1001	1027	N/A	N/A	1032	1062
ZS	Active Single Strike	1994	2020	N/A	N/A	2021	2052
Deadlock Functions							
N	Key x Key	763	808	N/A	N/A	808	808
P	Key x TT	828	877	N/A	N/A	873	877

Options are found on page 187.
 Keying Charges are found on page 546.
 Note: When ordering Z and ZS Functions please specify hand.

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	54
	2 ¾" to 3" Thick Doors	Add	137
	3 ⅛" to 3 ¾" Thick Doors	Add	206
	3 ½" to 3 ¾" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

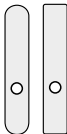
Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-7615-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1866	890	N/A	N/A	1869	1930
B	Dormitory	1941	2019	N/A	N/A	1922	1984
C	Passage	1468	1542	N/A	N/A	1551	1612
E	Privacy	1995	2073	N/A	N/A	1876	1937
G	Classroom	1857	1931	N/A	N/A	1894	1955
H	Entrance	2011	2090	N/A	N/A	1993	2054
I	Office	1857	1931	N/A	N/A	1894	1955
J	Storeroom	1787	1861	N/A	N/A	1824	1885
T	Patio	1841	1919	N/A	N/A	1859	1921
Magnetic Functions							
BM	Dormitory	3038	3116	N/A	N/A	3019	3080
CM	Passage	2564	2638	N/A	N/A	2648	2709
EM	Privacy	3092	3170	N/A	N/A	2972	3034
JM	Storeroom	2883	2957	N/A	N/A	3163	3224
TM	Patio	2937	3015	N/A	N/A	2956	3017
Dummy Functions							
Y	Active Double Dummy	1313	1364	N/A	N/A	1373	1435
YS	Active Double Strike	2306	2357	N/A	N/A	2366	2428
Z	Active Single Dummy	1032	1058	N/A	N/A	1062	1093
ZS	Active Single Strike	2025	2051	N/A	N/A	2052	2083
Deadlock Functions							
N	Key x Key	763	808	N/A	N/A	808	808
P	Key x TT	828	877	N/A	N/A	873	877

Options are found on page 187.
 Keying Charges are found on page 546.
 Note: When ordering Z and ZS Functions please specify hand.

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	54
	2 ¾" to 3" Thick Doors	Add	137
	3 ⅛" to 3 ¾" Thick Doors	Add	206
	3 ½" to 3 ¾" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-7615-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1004



1016



1076



1102

Available in 7615 only



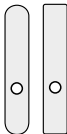
1291



1292

NML

Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1866	890	N/A	N/A	1869	1991
B	Dormitory	1941	2081	N/A	N/A	1922	2045
C	Passage	1468	1603	N/A	N/A	1551	1674
E	Privacy	1995	2135	N/A	N/A	1876	1998
G	Classroom	1857	1992	N/A	N/A	1894	2016
H	Entrance	2011	2151	N/A	N/A	1993	2115
I	Office	1857	1992	N/A	N/A	1894	2016
J	Storeroom	1787	1922	N/A	N/A	1824	1946
T	Patio	1841	1980	N/A	N/A	1859	1982
Magnetic Functions							
BM	Dormitory	3038	3177	N/A	N/A	3019	3141
CM	Passage	2564	2700	N/A	N/A	2648	2770
EM	Privacy	3092	3231	N/A	N/A	2972	3095
JM	Storeroom	2883	3019	N/A	N/A	3163	3286
TM	Patio	2937	3077	N/A	N/A	2956	3078
Dummy Functions							
Y	Active Double Dummy	1313	1425	N/A	N/A	1373	1496
YS	Active Double Strike	2306	2418	N/A	N/A	2366	2489
Z	Active Single Dummy	1032	1088	N/A	N/A	1062	1123
ZS	Active Single Strike	2025	2081	N/A	N/A	2052	2113
Deadlock Functions							
N	Key x Key	763	808	N/A	N/A	808	808
P	Key x TT	828	877	N/A	N/A	873	877

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1134



1163



1242



1267

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-7615-200-N1-RH-134
 Example for Specifying

Elements Series - NML

Narrow Mortise Locks



Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1261	1375	N/A	N/A	1281	1388
B	Dormitory	1272	1399	N/A	N/A	1320	1448
C	Passage	919	1018	N/A	N/A	974	1079
E	Privacy	1227	1355	N/A	N/A	1278	1406
G	Classroom	1282	1387	N/A	N/A	1313	1417
H	Entrance	1343	1469	N/A	N/A	1391	1518
I	Office	1282	1387	N/A	N/A	1313	1417
J	Storeroom	1212	1316	N/A	N/A	1243	1347
T	Patio	1200	1319	N/A	N/A	1263	1389
Magnetic Functions							
BM	Dormitory	2369	2495	N/A	N/A	2417	2544
CM	Passage	2015	2115	N/A	N/A	2071	2175
EM	Privacy	2324	2452	N/A	N/A	2375	2502
JM	Storeroom	2309	2413	N/A	N/A	2490	2639
TM	Patio	2296	2416	N/A	N/A	2359	2485
Dummy Functions							
Y	Active Double Dummy	741	840	N/A	N/A	797	901
YS	Active Double Strike	1734	1833	N/A	N/A	1789	1894
Z	Active Single Dummy	746	796	N/A	N/A	774	826
ZS	Active Single Strike	1739	1789	N/A	N/A	1764	1816
Deadlock Functions							
N	Key x Key	752	766	N/A	N/A	752	766
P	Key x TT	753	781	N/A	N/A	753	781

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



Narrow Mortise Lock Options

Options	Descriptions	Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct 12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add 150
Inverted	UD - Inverted Mortise Lock	Add 101
Latch Bolt	SL - Solid Latch bolt	Add 73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add 54
	2 3/8" to 3" Thick Doors	Add 137
	3 1/8" to 3 3/8" Thick Doors	Add 206
	3 1/2" to 3 3/4" Thick Doors	Add 234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add 118
	Rabbeted Strike and Band	Add 398
Dust box	Metal Dust Box Stainless (6204)	Add 24
	Metal Dust Box Bronze	Add 24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-0105-200-N1-RH-134
 Example for Specifying

Elements Series - NML

Narrow Mortise Locks



1003



1016



1031



1106

Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1322	1460	N/A	N/A	1342	1474
B	Dormitory	1333	1485	N/A	N/A	1382	1533
C	Passage	980	1104	N/A	N/A	1036	1165
E	Privacy	1289	1441	N/A	N/A	1339	1491
G	Classroom	1344	1472	N/A	N/A	1375	1503
H	Entrance	1404	1555	N/A	N/A	1452	1604
I	Office	1344	1472	N/A	N/A	1375	1503
J	Storeroom	1273	1402	N/A	N/A	1304	1433
T	Patio	1261	1405	N/A	N/A	1324	1474
Magnetic Functions							
BM	Dormitory	2430	2581	N/A	N/A	2478	2630
CM	Passage	2077	2200	N/A	N/A	2132	2261
EM	Privacy	2385	2537	N/A	N/A	2436	2588
JM	Storeroom	2370	2498	N/A	N/A	2551	2725
TM	Patio	2357	2501	N/A	N/A	2421	2571
Dummy Functions							
Y	Active Double Dummy	802	926	N/A	N/A	858	987
YS	Active Double Strike	1795	1919	N/A	N/A	1851	1980
Z	Active Single Dummy	777	839	N/A	N/A	804	869
ZS	Active Single Strike	1770	1832	N/A	N/A	1794	1859
Deadlock Functions							
N	Key x Key	752	766	N/A	N/A	752	766
P	Key x TT	753	781	N/A	N/A	753	781

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



1242



1246



1267

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
	Rabbeted Strike and Band	Add	398
Dust box	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-0105-200-N1-RH-134
 Example for Specifying

Elements Series - NML

Narrow Mortise Locks



Trim Choices



		RA, RD, RF, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1384	1497	N/A	N/A	1403	1511
B	Dormitory	1395	1521	N/A	N/A	1443	1570
C	Passage	1041	1141	N/A	N/A	1097	1201
E	Privacy	1350	1478	N/A	N/A	1401	1528
G	Classroom	1405	1509	N/A	N/A	1436	1540
H	Entrance	1465	1592	N/A	N/A	1513	1640
I	Office	1405	1509	N/A	N/A	1436	1540
J	Storeroom	1335	1439	N/A	N/A	1366	1470
T	Patio	1322	1442	N/A	N/A	1385	1511
Magnetic Functions							
BM	Dormitory	2491	2618	N/A	N/A	2539	2667
CM	Passage	2138	2237	N/A	N/A	2193	2298
EM	Privacy	2446	2574	N/A	N/A	2497	2624
JM	Storeroom	2431	2535	N/A	N/A	2612	2761
TM	Patio	2418	2538	N/A	N/A	2482	2608
Dummy Functions							
Y	Active Double Dummy	863	963	N/A	N/A	919	1024
YS	Active Double Strike	1856	1956	N/A	N/A	1912	2017
Z	Active Single Dummy	807	857	N/A	N/A	835	887
ZS	Active Single Strike	1800	1850	N/A	N/A	1825	1877
Deadlock Functions							
N	Key x Key	752	766	N/A	N/A	752	766
P	Key x TT	753	781	N/A	N/A	753	781

Options are found on page 187.

Keying Charges are found on page 546.

Note: When ordering Z and ZS Functions please specify hand.



Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12
Single Side Application	1S - Active Lever with through-bolted trim plate one side	Add	150
Inverted	UD - Inverted Mortise Lock	Add	101
Latch Bolt	SL - Solid Latch bolt	Add	73
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54
	2 3/8" to 3" Thick Doors	Add	137
	3 1/8" to 3 3/8" Thick Doors	Add	206
	3 1/2" to 3 3/4" Thick Doors	Add	234
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	118
Dust box	Rabbeted Strike and Band	Add	398
	Metal Dust Box Stainless (6204)	Add	24
	Metal Dust Box Bronze	Add	24

Full options are found on page 187.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
NML-E-1147-RA-SN-0105-200-N1-RH-134
 Example for Specifying

NML

Narrow Mortise Locks

Special Notes

- RF Trim only available with Premium and Elements Series and only with a crescent thumbturn.
- 1 ½" backset locks are only available with RF, EC, ED Trim.
- 1 ¾" backset locks are not available with RD Trim.
- When ordering YS and ZS functions please specify the opposing lock function.
- When ordering Z and ZS Functions please specify Hand.
- NML Series are available in 1 ½", 1 ¾", 2", and 2 ¼" backset. Please specify when ordering.



RF

Narrow Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	107
Latch Bolt	SL - Solid Latch bolt	Add	77
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ¾" to 3" Thick Doors	Add	145
	3 ½" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	124
	Rabbeted Strike and Band	Add	419
Dust box	Metal Dust Box Stainless (6204)	Add	25
	Metal Dust Box Bronze	Add	25

Parts	Descriptions		Unit	Stainless	Bronze
Strikes	N2-N4 Strikes	See strike chart in catalog for sizes	Each	47	56
	N5 -N10 Strikes	See strike chart in catalog for sizes	Each	54	66
	N1M	Strike for Magnetic Lock Body	Each	41	50
Faceplate	NML FP	Faceplate for NML Series	Each	41	50

NML Thumbturn and Release Options



ADA

Options	Descriptions			Price
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	148
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	70



European Mortise Lock

EML Series

Quality

The FSB European Mortise Lock (EML) is a DIN 18251-1 Class 3 mortise lock manufactured in Germany. It is field reversible and available to accept a European style profile cylinder. This is a high end residential favorite in the US as it will fit an 1 3/8" thick door.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 designer levers and trim that can be suited with our Entrance, Standard and Narrow mortise locks, tubular locks, sliding door locks, sliding door hardware, and door pulls FSB will complement your design vision.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

■ **Stainless Steel**

■ **Bronze**

■ **Aluminum**

Specifying Locksets

European Mortise Locks (EML)

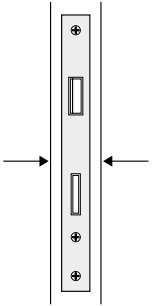
EML

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator																																					
EML	E	1147	RA	SN*																																					
	<p>Insert your choice of function using one of the letter codes below</p> <p>A Store Door B Dormitory C Passage E Privacy</p> <p>European Mortise Locks do not have Emergency Egress Function.</p>	<p>Insert your choice of lever design using one of the four digit codes.</p> <p>Premium/Elements</p> <table><tr><td>1003</td><td>1108</td></tr><tr><td>1004</td><td>1119</td></tr><tr><td>1005</td><td>1134</td></tr><tr><td>1015</td><td>1144</td></tr><tr><td>1016</td><td>1146</td></tr><tr><td>1021</td><td>1147</td></tr><tr><td>1023</td><td>1163</td></tr><tr><td>1025</td><td>1183</td></tr><tr><td>1031</td><td>1242</td></tr><tr><td>1035</td><td>1243</td></tr><tr><td>1045</td><td>1244</td></tr><tr><td>1053</td><td>1245</td></tr><tr><td>1058</td><td>1246</td></tr><tr><td>1070</td><td>1254</td></tr><tr><td>1074</td><td>1267</td></tr><tr><td>1075</td><td>1289*</td></tr><tr><td>1076</td><td>1291</td></tr><tr><td>1102</td><td>1292</td></tr><tr><td>1106</td><td>1293</td></tr><tr><td>1107</td><td></td></tr></table> <p> </p>	1003	1108	1004	1119	1005	1134	1015	1144	1016	1146	1021	1147	1023	1163	1025	1183	1031	1242	1035	1243	1045	1244	1053	1245	1058	1246	1070	1254	1074	1267	1075	1289*	1076	1291	1102	1292	1106	1293	1107
1003	1108																																								
1004	1119																																								
1005	1134																																								
1015	1144																																								
1016	1146																																								
1021	1147																																								
1023	1163																																								
1025	1183																																								
1031	1242																																								
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1058	1246																																								
1070	1254																																								
1074	1267																																								
1075	1289*																																								
1076	1291																																								
1102	1292																																								
1106	1293																																								
1107																																									

All details subject to modification

Example for Specifying

EML - E - 1147 - RA - SN - 6204 - 231 - E1 - RH - 134

Material and Finish	Backset	Strike	Handing	Door Thickness
<p>6204</p> <p>Insert your choice of material and finish using one of the codes below.</p> <p>Premium Series</p> <p>Stainless Steel</p> <p>■ 6204 Satin (630)</p> <p>■ 6205 Polished (629)</p> <p>Bronze</p> <p>■ 7615 Aged, Waxed (615)</p> <p>■ 7625 Dark Oxidized, Waxed (613)</p> <p>Elements Series</p> <p>Non-Anodized Aluminum</p> <p>■ 0013 Pure Aluminum, Natural</p> <p>Anodized Aluminum</p> <p>■ 0105 Natural Color (628)</p> <p>Textured Anodized Aluminum</p> <p>■ 0510 Medium Bronze Color</p> <p>■ 0710 Dark Bronze Color (710)</p> <p>■ 0810 Black Color (711)</p> <p>Powder Coated Aluminum</p> <p>■ 8120 Black (671)</p> <p>□ 8220 White (714)</p> <p>■ 8876 Light Bronze</p> <p>■ 8877 Pale Bronze</p> <p>Note: EML mortise lock scalp and strike only comes in 6204 Satin Stainless Steel.</p>	<p>231</p> <p>Standard</p> <p>231 2³/₁₆" Backset (55 mm)</p> <p>Other backsets available by quote.</p>	<p>E1</p> <p>Insert your choice of strike using one of the two letter codes below</p> <p>Standard</p> <p>E1</p> <p>Special Order</p> <p>E2</p>	<p>RH</p> <p>Insert your choice of hand using one of the two letter codes below</p> <p>RH Right Hand</p> <p>RR Right Hand Reverse</p> <p>LH Left Hand</p> <p>LR Left Hand Reverse</p>	<p>134</p> <p>Insert your choice of door thickness using one of the three digit codes.</p> <p>Standard</p> <p>134 1³/₄"</p> <p>138 1⁵/₈"</p> <p>Special Order</p> <p>200 2"</p> <p>214 2¹/₄"</p> <p>All sizes over 2¹/₄" thick please consult FSB.</p> 

All details subject to modification

EML

European Mortise Locks

Series EML Functions

EML



Series EML

European Mortise Lock

Specifications
 DIN Grade 3 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

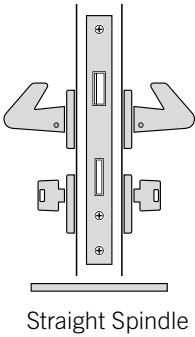
Strike
 Curved lip (function specific) without dustbox.

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

Lock Scalp is only available in Stainless Finish

Function A

Store Door



Description
 Latch bolt by handle either side.
 Deadbolt by key either side.
 European profile cylinder.
 European levers come with set screw on the side.

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

Premium and Elements Series Trim Sets

RA	RM	RP	EC	ED

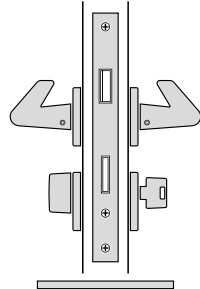
All details subject to modification

European Mortise Locks

Series EML Functions

Function B

Dormitory



Straight Spindle

Description

Latch bolt by handle either side. Deadbolt by key outside and turnpiece inside.
European profile cylinder.
European levers come with set screw on the side.

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

Premium and Elements Series Trim Sets

RA-S



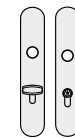
RM-S



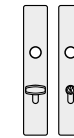
RP-S



EC-S

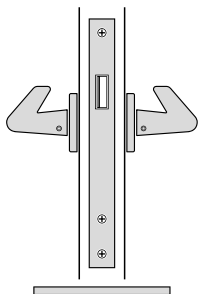


ED-S



Function C

Passage



Straight Spindle

Description

Latch bolt by handle either side.
European levers come with set screw on the side.

Premium and Elements Series Trim Sets

RA



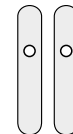
RM



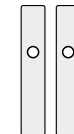
RP



EC

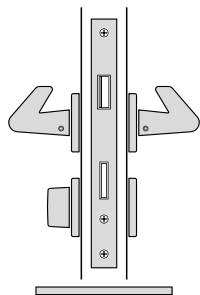


ED



Function E

Privacy



Straight Spindle

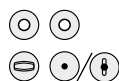
Description

Latch bolt by handle either side.
Deadbolt by emergency release outside and thumbturn inside connected by 8 mm spindle on the square.
European levers come with set screw on the side.

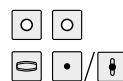
Lever to thumbturn center-to-center:
3 1/16" (78 mm).

Premium and Elements Series Trim Sets

RA-SN/SI



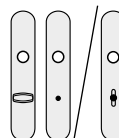
RM-SN/SI



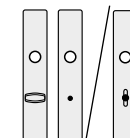
RP-SI



EC-SN/SI



ED-SN/SI



Trim Set Overview

Series EML

EML

RA

55mm Round

RM

55mm Square

EC

Escutcheon

ED

Escutcheon

RP


Minimal

	Premium Series	Elements Series	
Material	<div> <div></div> <div>Stainless Steel</div> </div> <div> <div></div> <div>Bronze</div> </div>	<div> <div></div> <div>Aluminum</div> </div>	
Finishes	<div> <div></div> <div>6204 (630)</div> </div> <div> <div></div> <div>6205 (629)</div> </div> <div> <div></div> <div>7615 (615)</div> </div> <div> <div></div> <div>7625 (613)</div> </div>	<div> <div></div> <div>0013</div> </div> <div> <div></div> <div>0105 (628)</div> </div> <div> <div></div> <div>8120</div> </div> <div> <div></div> <div>8220</div> </div> <div> <div></div> <div>0510</div> </div> <div> <div></div> <div>0710 (710)</div> </div> <div> <div></div> <div>0810 (711)</div> </div> <div> <div></div> <div>8876</div> </div> <div> <div></div> <div>8877</div> </div>	

55mm Roses Series EML

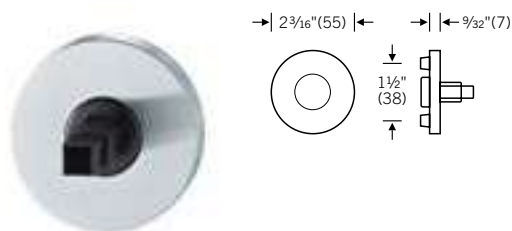
Premium & Elements

RA

12 1731 00101 

Rose $2\frac{3}{16}$ " (55 mm)

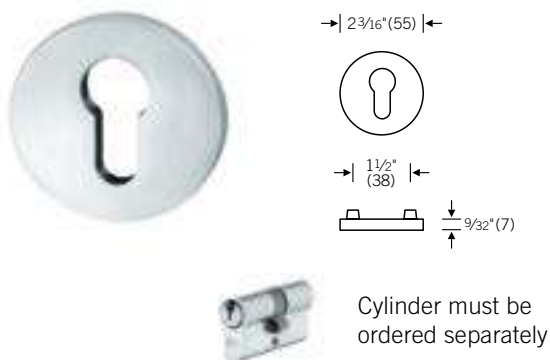
*Includes finish rose and sub-rose



Cylinder Ring

12 1735 00210 

Trim Set - Includes two rose assemblies and screws

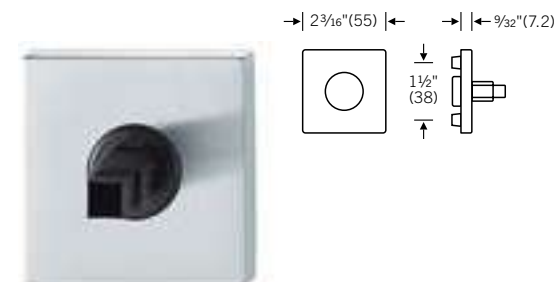


RM

12 1703 00101 

Rose $2\frac{3}{16}$ " (55 mm)

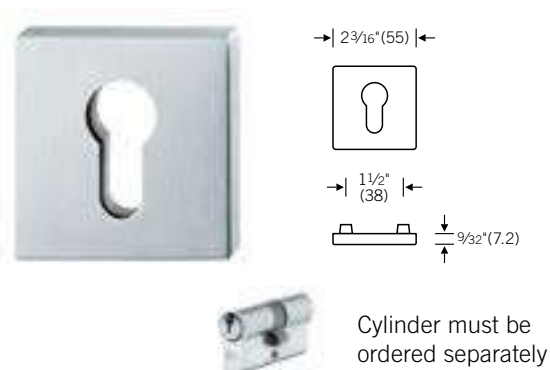
*Includes finish rose and sub-rose



Cylinder Ring


12 1704 00210 

Trim Set - Includes two rose assemblies and screws



Thumbturns for RA 55mm Rose Series EML

S

12 1735 00210 
Standard Thumbturn



Cylinder must be ordered separately



RA - Configuration
55mm S Thumbturn
55mm Lever Rose



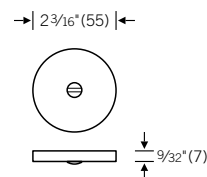
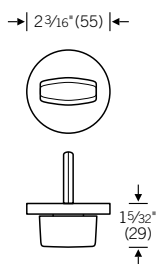
RD - Configuration
55mm S Thumbturn
65mm Lever Rose

Standard Turn with Emergency Release (SN)

12 1735 x0055 

Trim Set - Includes two rose assemblies, spindle and screws

12 1735 10055 = 1 3/8" - 2" Door Thickness
12 1735 20055 = 2 1/8" - 2 3/4" Door Thickness
12 1735 30055 = 2 7/8" - 3 3/4" Door Thickness

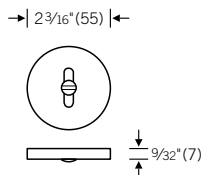
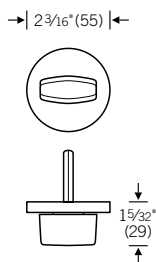


Standard Turn with Emergency Release and Indicator (SI)

12 1735 x0054 

Trim Set - Includes two rose assemblies, spindle and screws


12 1735 10054 = 1 3/8" - 2" Door Thickness
12 1735 20054 = 2 1/8" - 2 3/4" Door Thickness
12 1735 30054 = 2 7/8" - 3 3/4" Door Thickness



All details subject to modification

Thumbturns for RM 55mm Square Rose Series EML

S

12 1704 00210 
Standard Thumbturn



Cylinder must be
ordered separately



RM - Configuration
55mm S Thumbturn
55mm Lever Rose



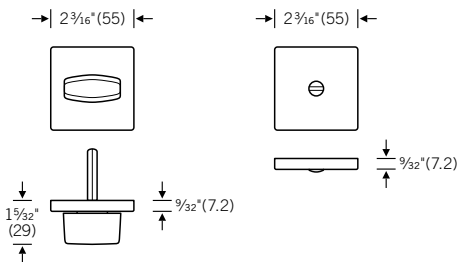
RS - Configuration
55mm S Thumbturn
65mm Lever Rose

Standard Turn with Emergency Release (SN)

12 1704 x0054 

Trim Set - Includes two rose assemblies, spindle and screws

12 1704 10054 = 1 3/8" - 2" Door Thickness
12 1704 20054 = 2 1/8" - 2 3/4" Door Thickness
12 1704 30054 = 2 7/8" - 3 3/4" Door Thickness

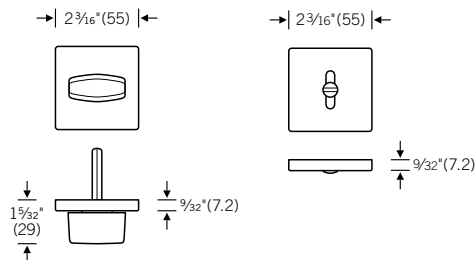


Standard Turn with Emergency Release and Indicator (SI)

12 1704 x0055 


Trim Set - Includes two rose assemblies, spindle and screws

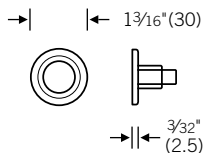
12 1704 10054 = 1 3/8" - 2" Door Thickness
12 1704 20054 = 2 1/8" - 2 3/4" Door Thickness
12 1704 30054 = 2 7/8" - 3 3/4" Door Thickness




Trim Set RP Minimal Rose European Mortise Locks (EML)

RP

03 0450 09290 
Minimal Rose

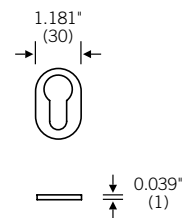


Cylinder Ring

12 1721 xxxxx 
0.039 × 1.181" (1 × 30 mm)


Trim only sold in Sets

(Includes two rose assemblies with adhesive back)



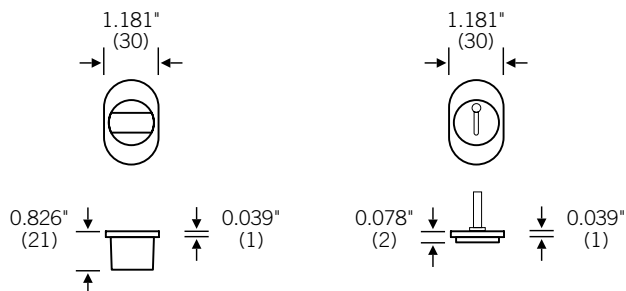
Cylinder must be ordered separately

SI

15 1721 01054 

Standard Thumbturn and Emergency Release with Indicator


Trim only sold in Sets



All details subject to modification

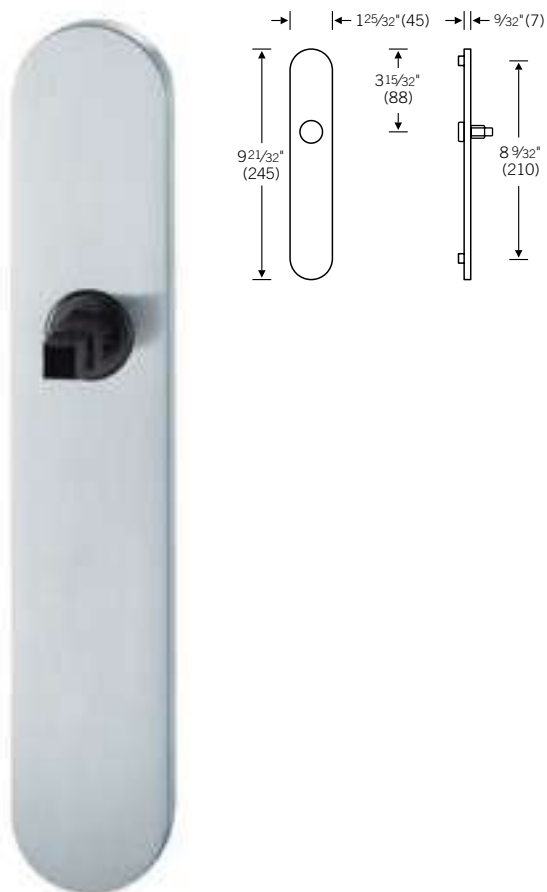
Trim Set EC Long Rounded Escutcheon Plate European Mortise Locks (EML)

EC


14 1418 02101 

9 5/8" (245 mm)

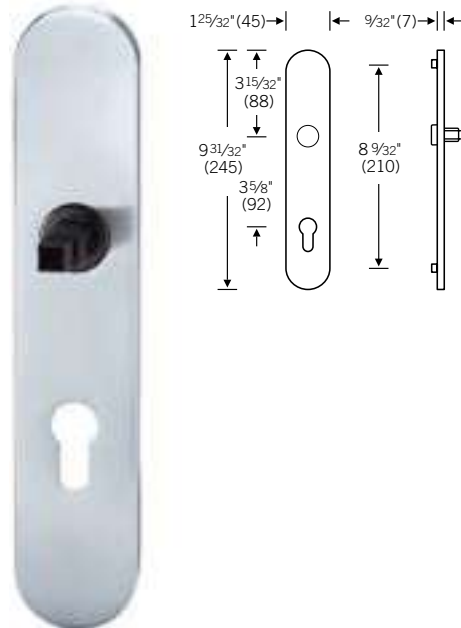
*Includes finish rose and sub-rose



Cylinder Hole

14 1418 02110 

*Includes finish rose and sub-rose



Cylinder

8812


Profile Cylinder used on A and B Functions.
Cylinder must be ordered separately



All details subject to modification

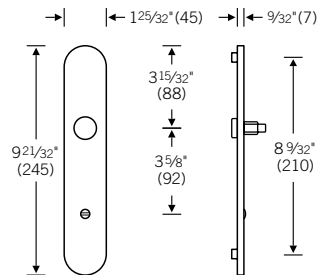
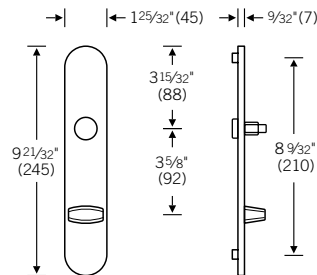
Trim Set EC Long Rectangular Escutcheon Plate European Mortise Locks (EML)

Standard Turn with Emergency Release (SN)


14 1418 x2555 

14 1418 12555 = 1 $\frac{3}{8}$ " - 2" Door Thickness
14 1418 22555 = 2 $\frac{1}{8}$ " - 2 $\frac{3}{4}$ " Door Thickness
14 1418 32555 = 2 $\frac{7}{8}$ " - 3 $\frac{3}{4}$ " Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws

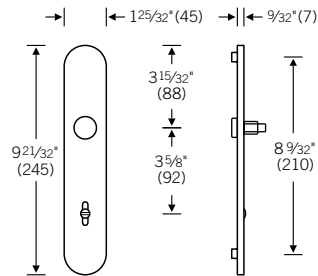
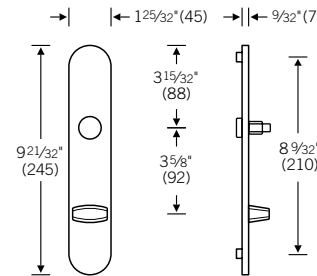


Standard Turn with Emergency Release and Indicator (SI)

14 1418 x2554 

14 1418 12554 = 1 $\frac{3}{8}$ " - 2" Door Thickness
14 1418 22554 = 2 $\frac{1}{8}$ " - 2 $\frac{3}{4}$ " Door Thickness
14 1418 32554 = 2 $\frac{7}{8}$ " - 3 $\frac{3}{4}$ " Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws



All details subject to modification

EML

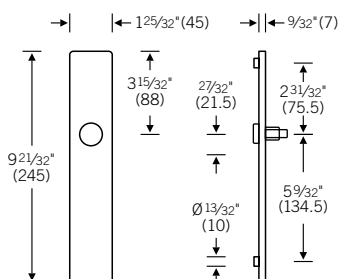
Trim Set ED Long Rectangular Escutcheon Plate European Mortise Locks (EML)

ED

14 1410 02101 

9³¹/₃₂" (245 mm)

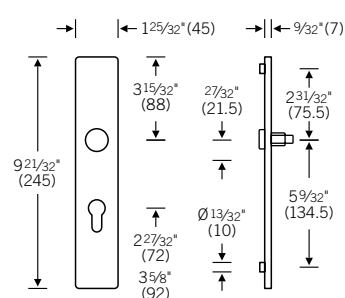
*Includes finish rose and sub-rose



Cylinder Hole

14 1410 02110 

*Includes finish rose and sub-rose



Cylinder

8812


Profile Cylinder used on A and B Functions.
Cylinder must be ordered separately



All details subject to modification

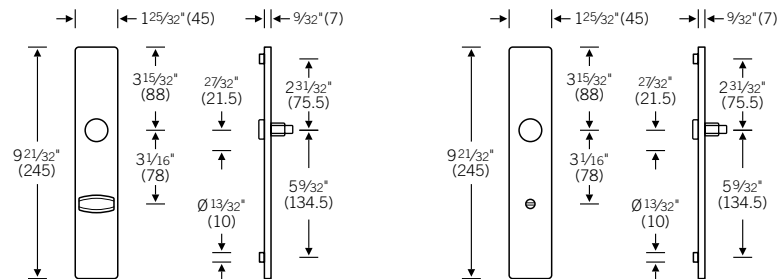
Trim Set ED Long Rectangular Escutcheon Plate European Mortise Locks (EML)

Standard Turn with Emergency Release (SN)


14 1410 x2555 

14 1410 12555 = 1 3/8" - 2" Door Thickness
14 1410 22555 = 2 1/8" - 2 3/4" Door Thickness
14 1410 32555 = 2 7/8" - 3 3/4" Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws

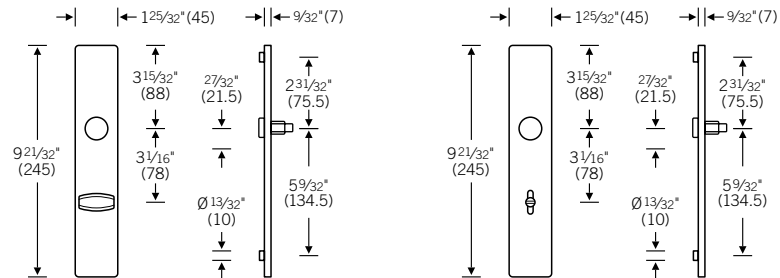


Standard Turn with Emergency Release and Indicator (SI)

14 1410 x2554 

14 1410 12554 = 1 3/8" - 2" Door Thickness
14 1410 22554 = 2 1/8" - 2 3/4" Door Thickness
14 1410 32554 = 2 7/8" - 3 3/4" Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws



All details subject to modification

EML

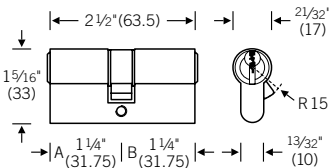
European Mortise Locks

European Profile Cylinder (PZ)

88 8812 00064 ■
88 8812 00070 ■

88 8812 00064 = 63.5 mm for 1 3⁄8 – 1 3⁄4" door thickness
88 8812 00070 = 71 mm for 2 – 2 1⁄4" door thickness

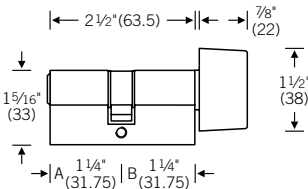
Key × Key



88 8812 00164 ■ ■
88 8812 00170 ■ ■

88 8812 00164 = 63.5 mm for 1 3⁄8 – 1 3⁄4" door thickness
88 8812 00170 = 71 mm for 2 – 2 1⁄4" door thickness

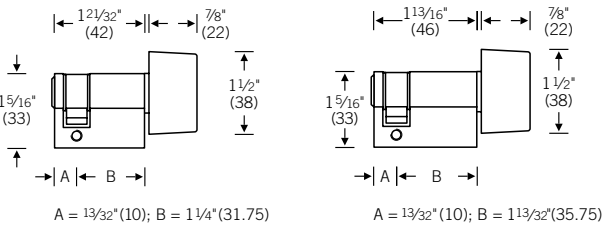
Key × Thumbturn (Standard)



88 8812 00230 ■ ■
88 8812 00235 ■ ■

88 8812 00230 = 42 mm Cylinder Length (1 21⁄32") for 1 3⁄8 – 1 3⁄4" door thickness
88 8812 00235 = 46 mm Cylinder Length (1 13⁄16") for 2 – 2 1⁄4" door thickness

1⁄2 Cylinder Thumbturn (Standard) only



Door thickness based on
7 mm rose/escutcheon

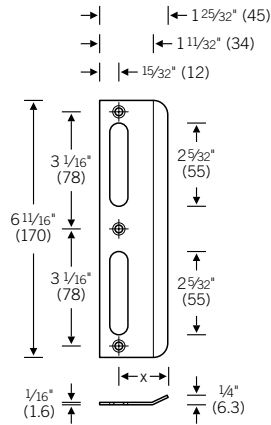
Keyway
“C-type” 5 pin on each side and are supplied keyed different as standard. May be master keyed on special request.

Keys
Nickel plated brass, supplied with two keys per cylinder.

Cylinder Finish
Stainless Steel, Dark Bronze Color. Custom finishes available upon request.

All details subject to modification

Premium & Elements Series - EML Strikes



EML 1001

EML Series Mortise Strike without dustbox

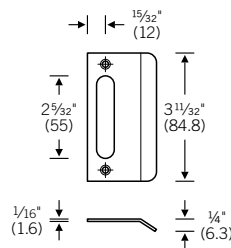
Entry/Privacy Functions

Standard = $1\frac{5}{16}"$ (33 mm)

EML 1001 99

EML Series Extended Lip*
Mortise Strike without dustbox

* Identify lip to center (x dimension)
specify mortise strike number



EML 1002

EML Series Mortise Strike without dustbox

Passage Function

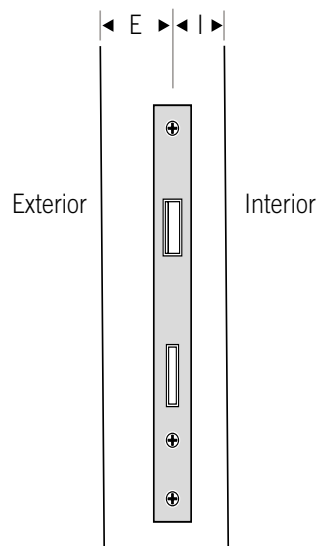
Find PZ Cylinder Offset

If your lock body is not centred in the door, please provide the "E" and "I" dimensions in mm from the diagram shown here.

E = Center line of lock body to exterior door face

I = Center line of lock body to interior door face

Note: Do not include trim when measuring



All details subject to modification

European Mortise Locks

Suggested Specification

EML

All mortise locksets shall be provided from one manufacturer and capable of accepting a European profile cylinder using the same lever and trim designs from FSB North America.

All levers and trim design shall be capable of being suited to operate Standard and narrow style mortise locks, tubular locks, and sliding door locks to maintain the design through out the project. All locks and trim must be provided by the same manufacturer.

Certification:
DIN 18251-1 Class 3

All locks, levers, and trim shall be from one manufacturer.

Locks have a 5 year limited warranty.

Faceplate (Scalp)
9¼" × 1⅝" (235 × 24 mm).
Satin stainless steel fixed to front of lock case.

Latch
.5" (12.7 mm) throw.
Cast iron zinc galvanized.

Deadbolt
.315" × 1.38" (8 × 35 mm) ×
.827" (21 mm) throw.
Material: Cast iron zinc galvanized.

Hub
.315" (8 mm) square PA plastic follower with steel blade, one way rotation for levers.

Privacy set Hub
.315" (8 mm) square, single throw action, 90 degree rotation.

Backset
2.19" (55 mm).

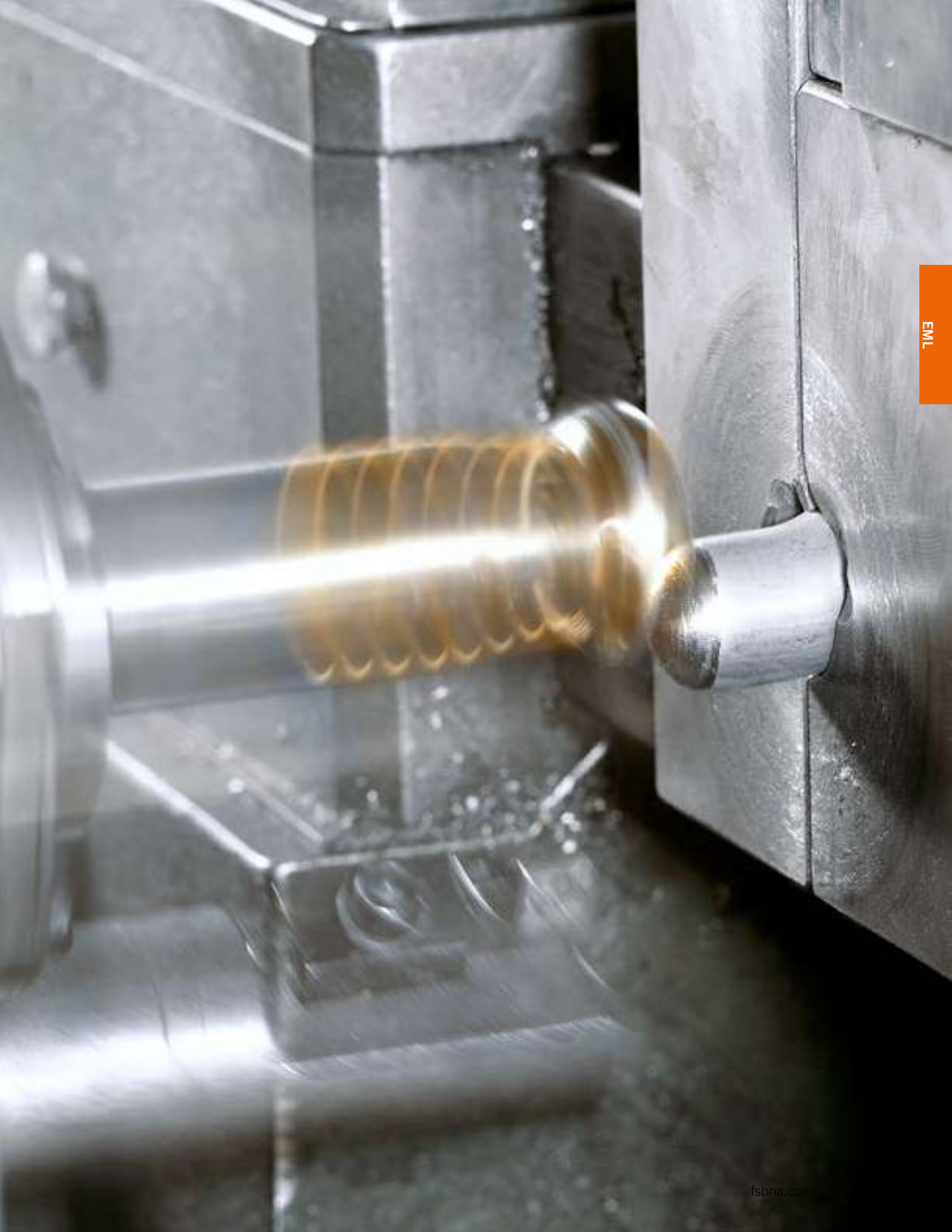
Spacing
2.83" (72 mm) center hub to center cylinder,
3.07" (78 mm) center lever hub to thumbturn hub.

Through-bolting
1.5" (38 mm) center to center.

Strike
Curved lip strike for hollow metal and wood frame construction without dust box. See drawings for dimensions.
Flat lip, special length strikes, and wrought dust boxes may be had on a special order basis.

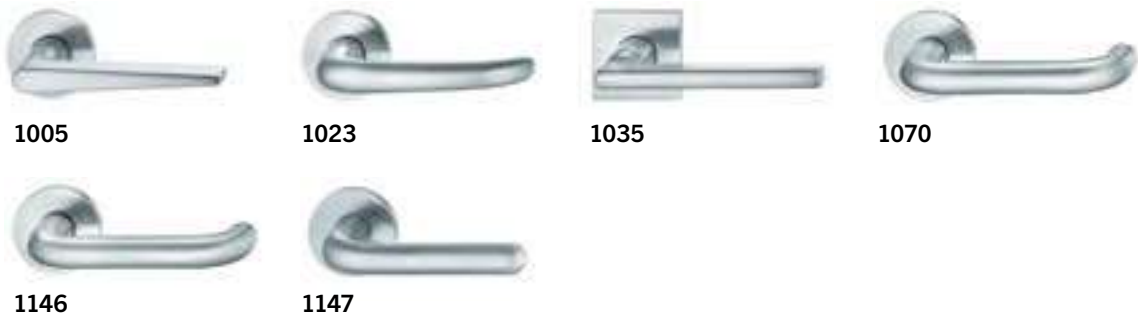
Template
All doors and frames to be prepared in accordance with the appropriate FSB template.

All details subject to modification

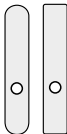


Premium Series - EML

European Mortise Locks



Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
A	Store Door	741	900	N/A	N/A	736	893
B	Dormitory	813	972	N/A	N/A	808	966
C	Passage	561	685	N/A	N/A	668	826
E	Privacy	744	932	N/A	N/A	770	965

Options are found on page 231.
Keying Charges are found on page 546.



1075



1076



1107



1108

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-6204-231-E1-RH-134

Example for Specifying

Premium Series - EML

European Mortise Locks



1003



1015



1016



1058

Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
A	Store Door	776	945	N/A	N/A	759	923
B	Dormitory	848	1017	N/A	N/A	831	995
C	Passage	667	730	N/A	N/A	691	856
E	Privacy	870	1095	N/A	N/A	793	995

Options are found on page 231.
 Keying Charges are found on page 546.



1106



1144



1242



1267

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-6204-231-E1-RH-134

Example for Specifying

Premium Series - EML

European Mortise Locks



1025



1031



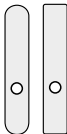
1045



1053

EML

Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
A	Store Door	806	984	N/A	N/A	887	1090
B	Dormitory	878	1056	N/A	N/A	959	1162
C	Passage	561	685	N/A	N/A	820	1023
E	Privacy	902	1137	N/A	N/A	921	1162

Options are found on page 231.

Keying Charges are found on page 546.



1183



1244



1254

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Strike

Handing

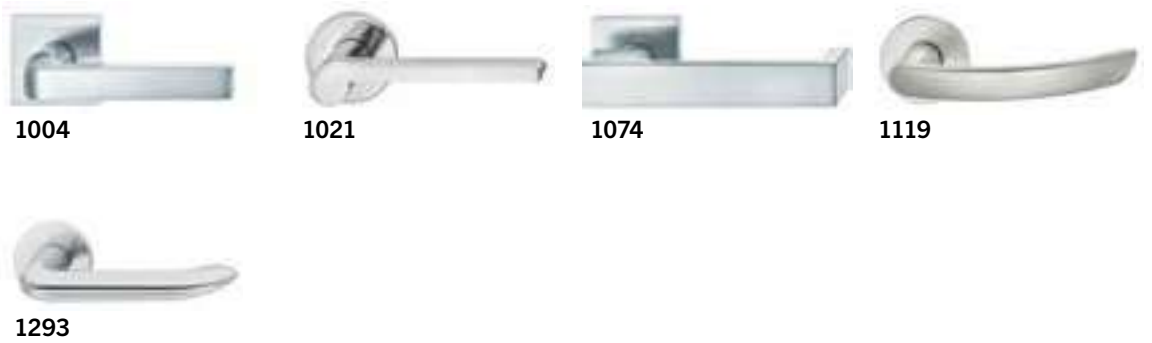
Door Thkn

EML-E-1147-RA-SN-6204-231-E1-RH-134

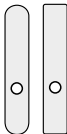
Example for Specifying

Premium Series - EML

European Mortise Locks



Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
A	Store Door	975	1203	N/A	N/A	988	1222
B	Dormitory	1047	1276	N/A	N/A	1060	1294
C	Passage	794	989	N/A	N/A	921	1154
E	Privacy	1085	1374	N/A	N/A	1022	1294

Options are found on page 231.
Keying Charges are found on page 546.



1243



1245



1291



1292

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-6204-231-E1-RH-134

Example for Specifying

Premium Series - EML

European Mortise Locks



1102



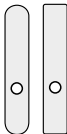
1134



1163

EML

Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
A	Store Door	1083	1344	N/A	N/A	1105	1374
B	Dormitory	1155	1416	N/A	N/A	1177	1446
C	Passage	902	1245	N/A	N/A	1038	1306
E	Privacy	1202	1526	N/A	N/A	1139	1446

Options are found on page 231.
Keying Charges are found on page 546.

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Strike

Handing

Door Thkn

EML-E-1147-RA-SN-6204-231-E1-RH-134

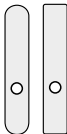
Example for Specifying

Premium Series - EML

European Mortise Locks



Trim Choices



Standard Functions		RA, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
A	Store Door	881	881	N/A	N/A	737	737
B	Dormitory	1069	1069	N/A	N/A	925	925
C	Passage	641	641	N/A	N/A	670	670
E	Privacy	920	920	N/A	N/A	910	910

Options are found on page 231.
Keying Charges are found on page 546.

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Strike

Handing

Door Thkn

EML-E-1147-RA-SN-7615-231-E1-RH-134

Example for Specifying

Premium Series - EML

European Mortise Locks



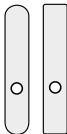
1045



1053

EML

Trim Choices



Standard Functions		RA, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
A	Store Door	1032	1032	N/A	N/A	888	888
B	Dormitory	1219	1219	N/A	N/A	1075	1075
C	Passage	791	791	N/A	N/A	820	820
E	Privacy	1071	1071	N/A	N/A	1060	1060

Options are found on page 231.
Keying Charges are found on page 546.

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Strike

Handing

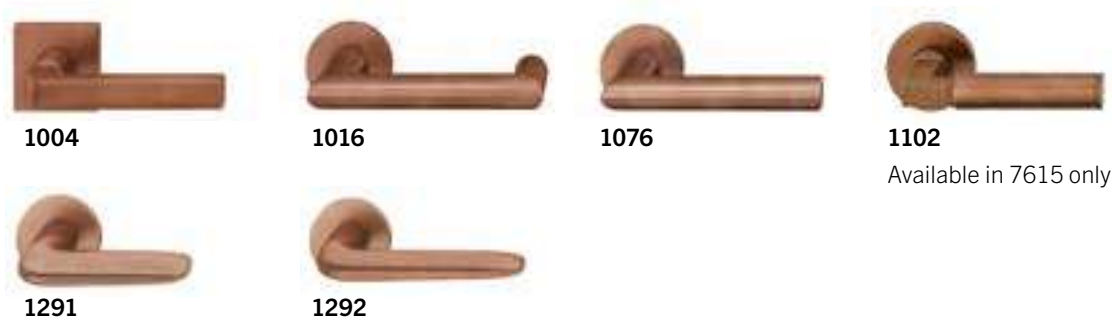
Door Thkn

EML-E-1147-RA-SN-7615-231-E1-RH-134

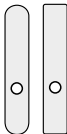
Example for Specifying

Premium Series - EML

European Mortise Locks



Trim Choices



Standard Functions		RA, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
A	Store Door	1298	1123	N/A	N/A	979	979
B	Dormitory	1485	1311	N/A	N/A	1167	1167
C	Passage	883	883	N/A	N/A	912	912
E	Privacy	1162	1162	N/A	N/A	1152	1152

Options are found on page 231.
Keying Charges are found on page 546.



EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-7615-231-E1-RH-134

Example for Specifying

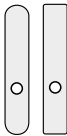
Elements Series - EML

European Mortise Locks

EML



Trim Choices



		RA, RM, RP		RJ		EC-ED	
Standard Functions		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	593	707	N/A	N/A	553	725
B	Dormitory	665	779	N/A	N/A	625	797
C	Passage	412	493	N/A	N/A	556	658
E	Privacy	669	833	N/A	N/A	605	729

Options are found on page 231.
 Keying Charges are found on page 546.



European Mortise Lock Options

Options	Descriptions	Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct 31
Special Door	2" to 2 ¼" Thick Doors	Add 57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add 60
Dust Box	EML Dust Box Stainless (6204)	43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-0105-231-E1-RH-134

Example for Specifying

Elements Series - EML

European Mortise Locks



1003



1016



1031



1106

Trim Choices



		RA, RM, RP		RJ		EC-ED	
Standard Functions		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	639	767	N/A	N/A	598	746
B	Dormitory	711	840	N/A	N/A	670	818
C	Passage	459	553	N/A	N/A	571	678
E	Privacy	719	898	N/A	N/A	642	770

Options are found on page 231.
 Keying Charges are found on page 546.



1242



1246



1267

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-0105-231-E1-RH-134

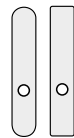
Example for Specifying

Elements Series - EML

European Mortise Locks



Trim Choices



Standard Functions		RA, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	696	841	N/A	N/A	682	786
B	Dormitory	768	913	N/A	N/A	754	858
C	Passage	515	626	N/A	N/A	614	719
E	Privacy	780	978	N/A	N/A	712	793

Options are found on page 231.
Keying Charges are found on page 546.



1134



1183



1243



1244

EML

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EML-E-1147-RA-SN-0105-231-E1-RH-134

Example for Specifying

Premium & Elements Series - EML

European Mortise Locks

Special Notes

- EML PZ cylinder face only comes in 6204 and 0710.
- EML mortise lock scalp only comes in stainless steel.
- Custom door thickness available, please call for quote.

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	31
Special Door	2" to 2 ¼" Thick Doors	Add	57
Strikes	EML 1001 99 - Extended Lip Strike for 2 ¼" - 3 ¾" DT	Add	60
Dust Box	EML Dust Box Stainless (6204)		43

Thumbturn and Release Options



Standard



**Emergency
Release**



**Emergency
with Indicator**



HLL

Heavy Duty Lever Latch

HLL Series

All details subject to modification

Quality

The FSB latch is a high quality, heavy duty tubular latch manufactured to meet stringent quality standards. This series is designed to work with a vast array of FSB lever handle designs. Built using a heavy-gauge die cast case, the latch features high strength steel compression springs for long life and durability.

The FSB HLL series latches have surpassed over 400,000 operating cycles. Applications include high-end residential, hospitality, retail, and office buildings.

The latch is backed by a 3 year limited warranty.

Magnetic Option

The FSB magnetic latch is a high quality, heavy duty magnetic tubular latch manufactured to meet stringent quality standards. This series is designed to work with a vast array of FSB lever handle designs. Built using a heavy-gauge stainless steel case, the latch features a magnetic dustbox to automatically latch the door when closed.

Applications include high-end residential, hospitality, retail, and office buildings.

Specifications

Field reversible.

Design Advantage

FSB has the widest selection of designer levers and trim in the Industry. With more than 100 lever and trim designs that can be suited with our Entrance, Standard, Narrow style and European mortise locks, tubular locks, sliding door locks, sliding door hardware, and door pulls we will complement your design vision.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes



Specifying Tubular Latch Sets

Heavy Duty Lever Latch (HLL)

HLL

Lock Type	Lock and Latch Function	Lever Design	Trim Set																																								
<div>HLL</div> <div>Insert your choice of choice of Lock Type.</div> <div>HLL</div>	<div>C<div>Passage</div></div> <div>E<div>Privacy</div></div> <div>Magnetic Latch Functions</div> <div>CM<div>Passage</div></div> <div>EM<div>Privacy</div></div> <div>Dummy Functions</div> <div>Y<div>Fixed Back to Back</div></div> <div>Z<div>Fixed Single</div></div>	<div>1147</div> <div>Insert your choice of lever design using one of the four digit codes.</div> <div>Premium/Elements</div> <table><tr><td>1003</td><td>1108</td></tr><tr><td>1004</td><td>1119</td></tr><tr><td>1005</td><td>1134</td></tr><tr><td>1015</td><td>1144</td></tr><tr><td>1016</td><td>1146</td></tr><tr><td>1021</td><td>1147</td></tr><tr><td>1023</td><td>1163</td></tr><tr><td>1025</td><td>1183</td></tr><tr><td>1031</td><td>1242</td></tr><tr><td>1035</td><td>1243</td></tr><tr><td>1045</td><td>1244</td></tr><tr><td>1053</td><td>1245</td></tr><tr><td>1058</td><td>1246</td></tr><tr><td>1070</td><td>1254</td></tr><tr><td>1074</td><td>1267</td></tr><tr><td>1075</td><td>1289*</td></tr><tr><td>1076</td><td>1291</td></tr><tr><td>1102</td><td>1292</td></tr><tr><td>1106</td><td>1293</td></tr><tr><td>1107</td><td></td></tr></table> <div>^ Due to weight, only the following bronze levers can be used for HLL Series 1015, 1020, 1023, 1053, 1057, 1106, 1163, 1267</div> <div>* Elements only</div> <div>+ Levers 1003, 1074, 1183 not available with E Function</div>	1003	1108	1004	1119	1005	1134	1015	1144	1016	1146	1021	1147	1023	1163	1025	1183	1031	1242	1035	1243	1045	1244	1053	1245	1058	1246	1070	1254	1074	1267	1075	1289*	1076	1291	1102	1292	1106	1293	1107		<div>RA</div> <div>Insert your choice of rose or escutcheon using one of the letter codes.</div> <div>Premium/Elements</div> <div>RA<div>Rose 2³/₁₆" (55 mm)</div></div> <div>RD<div>Rose 2⁹/₁₆" (65 mm)</div></div> <div>RP<div>Minimal Rose (30 mm)</div></div> <div>RM<div>Square Rose (55 mm)</div></div> <div>RS<div>Square Rose 2⁹/₁₆" (65 mm) (Covers 2 1⁄8" bore)</div></div> <div>EC<div>Long Rounded</div></div> <div>ED<div>Long Rectangular</div></div> <div>Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.</div> <div>* 6204 Finish Only</div>
1003	1108																																										
1004	1119																																										
1005	1134																																										
1015	1144																																										
1016	1146																																										
1021	1147																																										
1023	1163																																										
1025	1183																																										
1031	1242																																										
1035	1243																																										
1045	1244																																										
1053	1245																																										
1058	1246																																										
1070	1254																																										
1074	1267																																										
1075	1289*																																										
1076	1291																																										
1102	1292																																										
1106	1293																																										
1107																																											

Example for Specifying

HLL - C - 1147 - RA - 6204 - 238 - T1 - 134

Material and Finish	Backset	Strike	Handing	Door Thickness
6204 Insert your choice of material and finish using one of the codes below. Premium Series Stainless Steel ■ 6204 Satin (630) ■ 6205 Polished (629) Bronze ■ 7615 Aged, Waxed (615) ■ 7625 Dark Oxidized, Waxed (613) Elements Series Non-Anodized Aluminum ■ 0013 Pure Aluminum, Natural Anodized Aluminum ■ 0105 Natural Color (628) Textured Anodized Aluminum ■ 0510 Medium Bronze Color ■ 0710 Dark Bronze Color (710) ■ 0810 Black Color (711) Powder Coated Aluminum ■ 8120 Black (671) □ 8220 White (714) ■ 8876 Light Bronze ■ 8877 Pale Bronze	238 Insert your choice of backset using one of the three digit codes below Standard 238 2 ³ / ₈ " Backset 234 2 ³ / ₄ " Backset	T1 Insert your choice of strike using one of the codes below Spring Latch T1 Special Order T2 T13 T3 T14 T4 T15 T5 T16 T6 T17 T7 T18 T8 T19 T9 T20 T10 T21 T11 T22 T12 Magnetic Latch T1M Note: All magnetic locks come with a standard no-lip strike, use "T1M" designator.	RH Insert Handing for Single Dummy only RH Right Hand LH Left Hand	134 Insert your choice of door thickness using one of the three digit codes. Standard 134 1 ³ / ₄ " 138 1 ³ / ₈ " 200 2" Special Order 214 2 ¹ / ₄ " All sizes over 2 ¹ / ₄ " thick please consult FSB. <div> </div>

HLL

Heavy Duty Lever Latch

Series HLL Functions

HLL



Spring Latch



Magnetic Latch

Series HLL

Heavy Duty Lever Latch
Passage only

Latch

All HLL Spring Latch use the same latch.
All HLL Magnetic Latch use the same latch.

Backsets

2 ³/₈" (60 mm)

2 ³/₄" (70 mm)

Strike

HLL Spring Latch comes with universal curved lip T-Strike and dustbox.
HLL Magnetic Latch comes with universal no-lip Strike and magnetic dustbox.
See page 249 for other strike options.

Faceplates

Faceplate width 1" (25.4 mm) for minimum 1 ³/₈" (35 mm) door thickness.
Faceplate width 1 ¹/₈" (28.5 mm) optional for HLL Spring Latch only.

CU Function comes with 1 ¹/₈" (28.5 mm) width as standard.

All details subject to modification

Heavy Duty Lever Latch

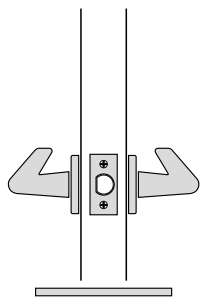
Series HLL Functions

Function C

Passage

Description

Latch bolt by handle either side.



Straight Spindle

Premium and Elements Series Trim Sets

RA



RD



RM



RS



EC



ED



RP

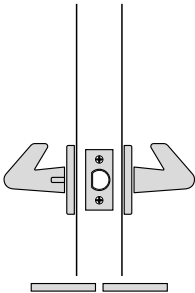


Heavy Duty Lever Latch

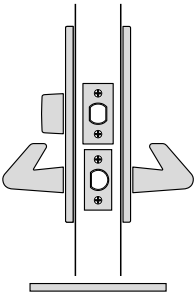
Series HLL Functions

Function E

Privacy



Description
 Latch bolt by handle either side. Outside handle locked by push button inside. Outside handle unlocked by retracting inside handle, emergency release tool, or closing the door.



Description
 Latch bolt by handle either side. Deadbolt by thumb-turn inside and emergency release outside.

Note: Center to Center prep for FSB stacked set is 2 7/16"

Premium and Elements Series Trim Sets

RA	RD	RP	RM	RS
EC	ED			

Pictured Below: Round Rose with Privacy Pin



Pictured Below: Minimal Rose with Privacy Pin



Note: EC and ED trim is provided as a stacked set with a tubular passage set and thumbturn deadbolt with emergency release. Function E is not available with 1003, 1074, 1183 Levers.

All details subject to modification

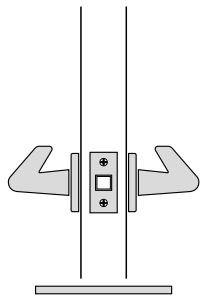
Heavy Duty Lever Latch

Series HLL Functions

Function CM

Magnetic Passage

Description
 Latch bolt by handle either side.



Straight Spindle

Premium and Elements Series Trim Sets

RA	RD	RM	RS	EC	ED

HLL

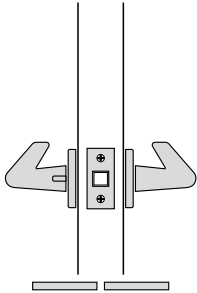
All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

Function EM

Magnetic Privacy



Description
 Latch bolt by handle either side.
 Outside handle locked by push button inside. Outside handle unlocked by retracting inside handle, emergency release tool, or closing the door.

Premium and Elements Series Trim Sets

RA	RD	RM	RS

Pictured Below: Round Rose with Privacy Pin



Note: Function E is not available with 1003, 1074, 1183 Levers.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

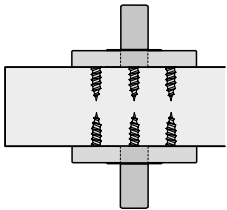
Function Y

Fixed Back to Back Dummy

Trim Sets

RA

RM



Surface mounted subroses.

05 0423 00402

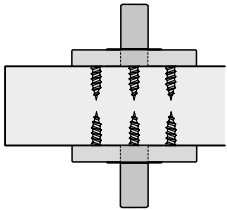


Set includes two dummy mount subroses, one pair of 2³/₁₆" (55 mm) roses and two levers.

Trim Sets

RD

RS



Surface mounted subroses.

05 0423 00701



Set includes two dummy mount subroses, one pair of 2⁹/₁₆" (65 mm) roses and two levers.

All details subject to modification

HLL

Heavy Duty Lever Latch

Series HLL Functions

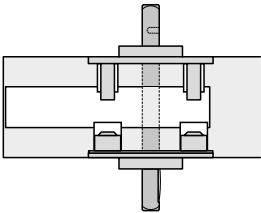
Function Y

Fixed Back to Back Dummy

Trim Sets

05 0423 00110

RP



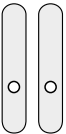
Through bolted mounting with 3/4" Ø borehole.

Set includes one mount bar, one straight spindle, one pair of 2 3/16" (55 mm) flush roses and two levers. Supplied with blank faceplate to cover edge borehole.

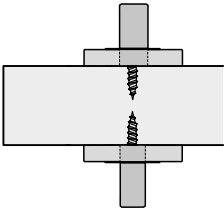
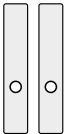
Trim Sets

05 0423 00800

EC



ED



Surface mounted subplates.



Set includes two dummy mount sub-plates, two lever only escutcheons and two levers.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

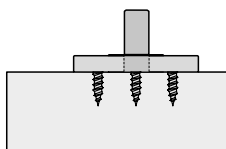
Function Z

Fixed Single Dummy

Trim Sets

RA

RM



05 0423 00402



Surface mounted subrose.

Set includes one dummy mount subrose, one 2³/₁₆" (55 mm) rose, and one lever.

HLL

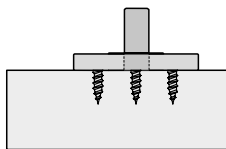
Trim Sets

RD

RS



For Elements Series only



05 0423 00701



Surface mounted subrose.

Set includes one dummy mount subrose, one 2⁹/₁₆" (65 mm) rose and one lever.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

Function Z

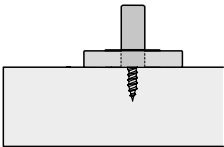
Fixed Single Dummy

Trim Sets

EC



ED



Surface mounted subplate.

05 0423 00800




Set includes one dummy mount subplate, one escutcheon and one lever.

All details subject to modification

Trim Set Roses

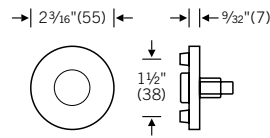
Series HLL

RA

17 1731 01401 

Rose 2 3/16" (55 mm)

*Includes finish rose and sub-rose

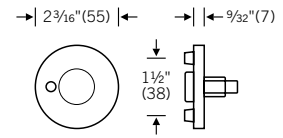


17 1731 00154 Right Hand

17 1731 00155 Left Hand


Privacy Roses 2 3/16" (55 mm)

*Includes finish rose and sub-rose



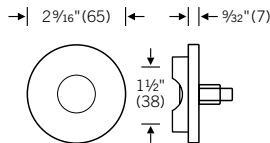
RD

Designed to fit a 2 1/8" bore

17 1798 01401 

Rose 2 9/16" (65 mm)

*Includes finish rose and sub-rose

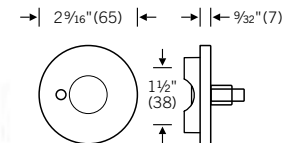


17 1798 00154 Right Hand


17 1798 00155 Left Hand

Privacy Roses 2 9/16" (65 mm)

*Includes finish rose and sub-rose

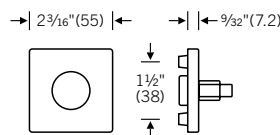


RM

17 1703 01401 

Square Rose (55 mm)

*Includes finish rose and sub-rose

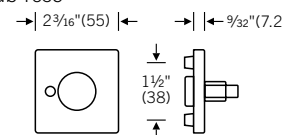


17 1703 00154 Right Hand

17 1703 00155 Left Hand


Privacy Roses 2 3/16" (55 mm)

*Includes finish rose and sub-rose



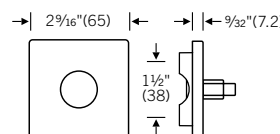
RS

Designed to fit a 2 1/8" bore

17 1797 01401 

Square Rose (65 mm)

*Includes finish rose and sub-rose

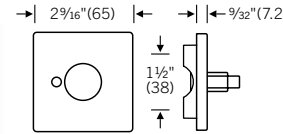


17 1797 00154 Right Hand

17 1797 00155 Left Hand

Privacy Roses 2 9/16" (65 mm)

*Includes finish rose and sub-rose




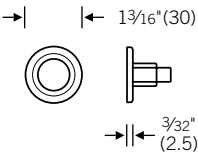
All details subject to modification

Trim Sets Roses

Series HLL

RP

03 0450 09290 
Minimal Rose



HLL

All details subject to modification

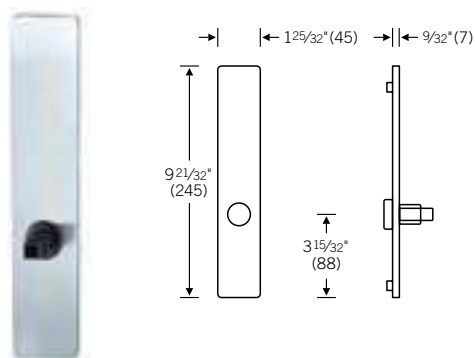
Trim Sets Escutcheon Plates Series HLL

ED

14 1410 09100 

9 5/8" (245 mm)

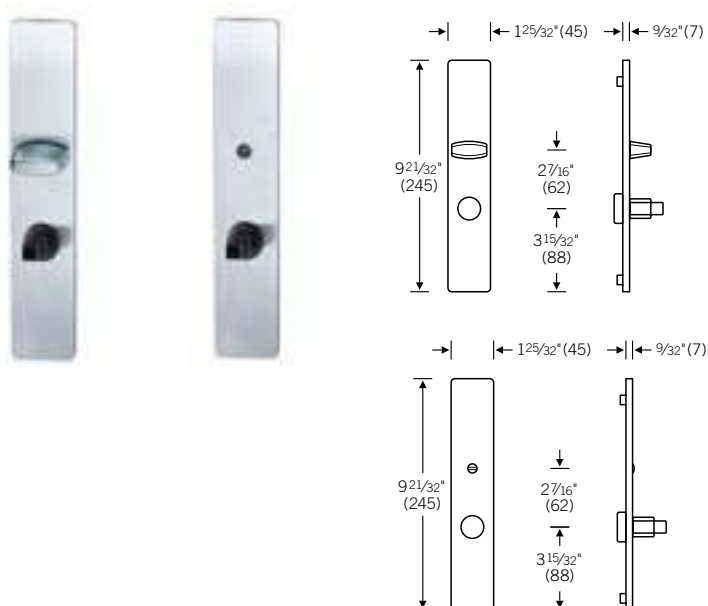
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1410 09103 

Trim Set - Includes two rose assemblies, spindle and screws
Indicator available upon request (SI)

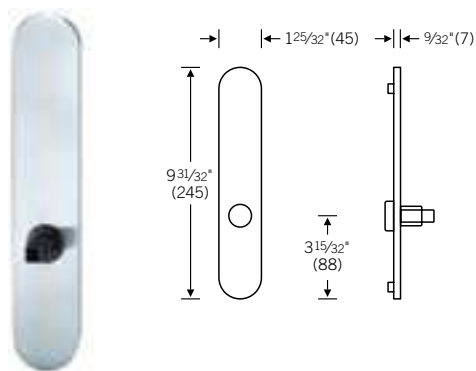


EC


14 1418 09100 

9 5/8" (245 mm)

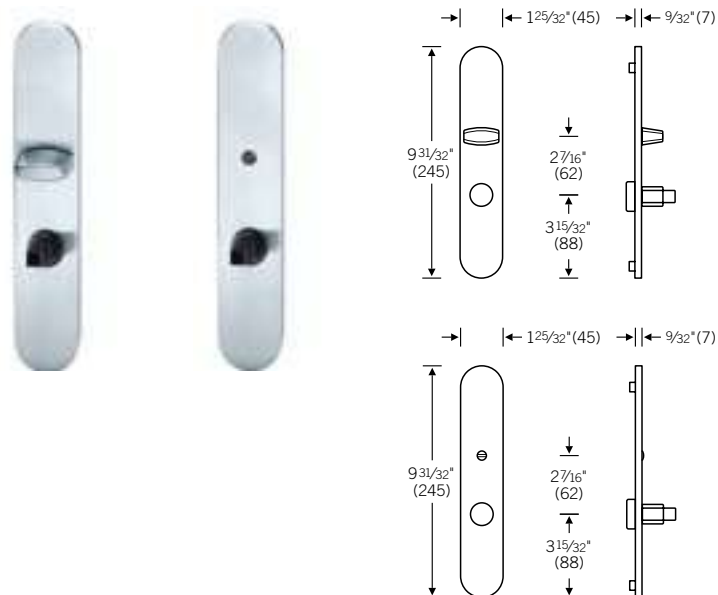
*Includes finish rose and sub-rose



Standard Turn with Emergency Release (SN)

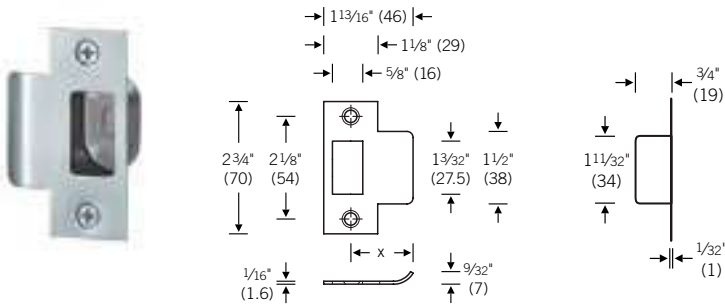
14 1418 09103 

Trim Set - Includes two rose assemblies, spindle and screws
Indicator available upon request (SI)



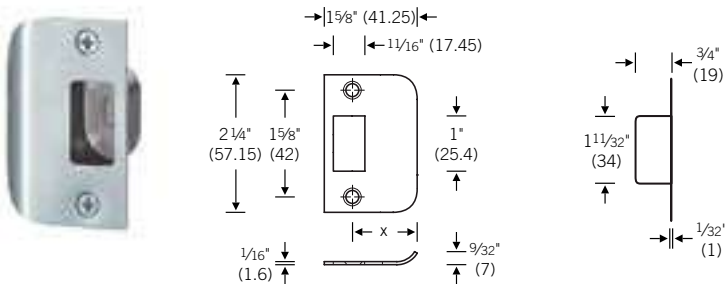
All details subject to modification

HLL Tubular Latch Strikes



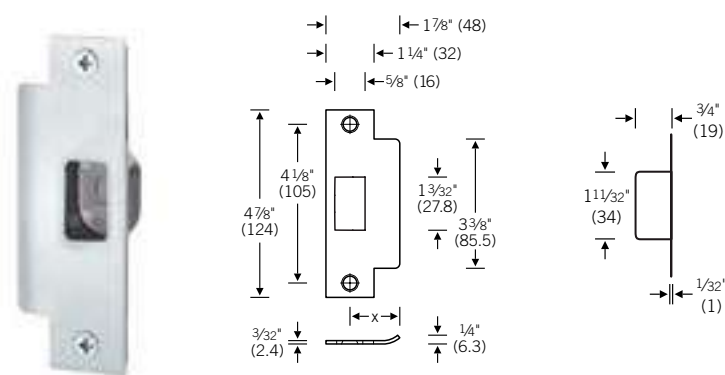
HLL 1001
HLL Series Strike
Standard **T1** = $1\frac{1}{4}"$

HLL 2001
Dustbox for HLL



HLL 1003
HLL Series Strike
T23 = $1\frac{1}{4}"$

HLL 2001
Dustbox for HLL



HLL 1002
HLL Series Strike (ANSI/ASA Strike)
T14 = $1\frac{1}{4}"$

HLL 2001
Dustbox for HLL

Tubular Strike Number	Lip To Center Dimension	Strike Type
T1	$1\frac{1}{4}"$	"T" Curved Lip
T2	$1"$	"T" Curved Lip
T3	$1\frac{1}{8}"$	"T" Curved Lip
T4	$1\frac{3}{8}"$	"T" Curved Lip
T5	$1\frac{1}{2}"$	"T" Curved Lip
T6	$1\frac{3}{4}"$	"T" Curved Lip
T7	$2"$	"T" Curved Lip
T8	$2\frac{1}{4}"$	"T" Curved Lip
T9	$2\frac{1}{2}"$	"T" Curved Lip
T10	$2\frac{3}{4}"$	"T" Curved Lip
T11	$3"$	"T" Curved Lip

Tubular Strike Number	Lip To Center Dimension	Strike Type
T12	$1"$	ANSI Curved Lip
T13	$1\frac{1}{8}"$	ANSI Curved Lip
T14	$1\frac{1}{4}"$	ANSI Curved Lip
T15	$1\frac{3}{8}"$	ANSI Curved Lip
T16	$1\frac{1}{2}"$	ANSI Curved Lip
T17	$1\frac{3}{4}"$	ANSI Curved Lip
T18	$2"$	ANSI Curved Lip
T19	$2\frac{1}{4}"$	ANSI Curved Lip
T20	$2\frac{1}{2}"$	ANSI Curved Lip
T21	$2\frac{3}{4}"$	ANSI Curved Lip
T22	$3"$	ANSI Curved Lip
T23	$1\frac{1}{4}"$	"D" Full Lip

All magnetic HLL come with universal no-lip strike and magnetic dustbox.

All details subject to modification

Tubular Latches

Suggested Specification

HLL C Passage HLL E Privacy

All heavy duty tubular latchsets shall be series HLL provided by FSB North America, Berlin, CT.

Latches shall have either a 2 3/4" (70 mm) or 2 3/8" (60 mm) backset and be non-handed. Latches shall have unidirectional hubs for levers.

Lever and trim designs shall be capable of being suited to operate standard, narrow style and European mortise locks, and sliding lever locks to maintain the design throughout the project. All locks and trim must be provided by the same manufacturer.

All heavy duty tubular latchsets shall carry a 3 year limited warranty.

Steel Case

Size varies according to backset. Heavy gauge die cast alloy.

Latch Front and Faceplate for Spring Latch

1" x 2 1/4" (25.4 x 57 mm) Standard
1 1/8" x 2 1/4" (28.5 x 57 mm) Optional
Stainless steel or brass, finished to match.

Latch Front and Faceplate for Magnetic Latch

All magnetic latches are 1" x 2 1/4" faceplate only.

Latch Bolt for Spring Latch

1/2" (12 mm) throw.
One-piece, satin nickel or satin brass finish. Field reversible.

Latch Bolt for Magnetic Latch

.42" (10.66 mm) throw.
One-piece, matte black finish. Field reversible.

Hub

.315" (8 mm) square, with one way, 28° degree rotation for levers.

Door Thickness

1 3/8" – 2 1/4" (35 – 57 mm) Standard

Backsets

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

Strike for Spring Latch

2 3/4" x 1 1/4" (70 x 32 mm) lip to center. Wrought stainless steel or brass, finished to match. Regularly furnished with universal curved lip T-Strike with black plastic dust box. Flat lip, full lip, special length strikes and wrought dust boxes available on a special order basis.

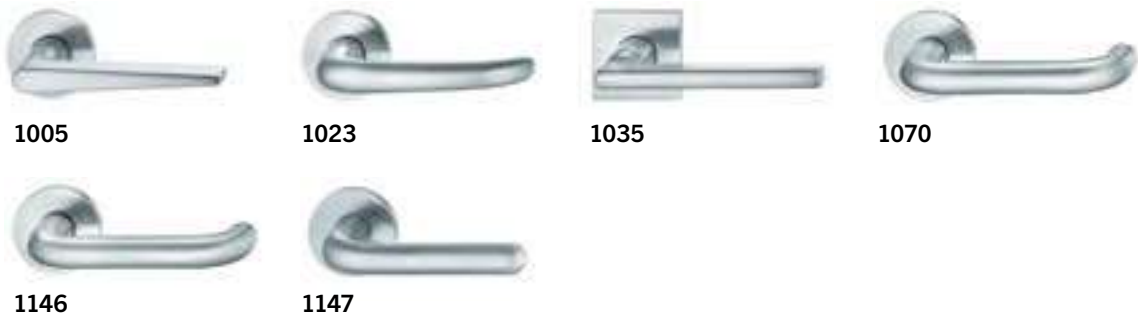
Strike for Magnetic Latch

1" x 2 1/4" (25.4 x 57 mm)

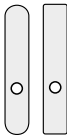
All magnetic HLL will be supplied with a standard no-lip strike.

Premium Series - HLL

Tubular Locks



Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
C	Passage	512	628	666	N/A	528	595
E	Privacy	552	642		N/A	846	963
Magnetic Functions							
CM	Passage	440	605	643	N/A	574	728
EM	Privacy	522	612	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	484	577	N/A	N/A	529	638
Z	Fixed Single Dummy	242	289	226	N/A	265	319

Note: When ordering Z Function please specify hand.
RS by quote only, RS Trim add \$220 for 6204
RP not available with Magnetic Latch
 * Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 273.



1075



1076



1107



1108

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-6204-238-T1-134

Example for Specifying

Premium Series - HLL

Tubular Locks



1003



1015

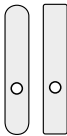


1016



1058

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
C	Passage	573	750	727	N/A	635	851
E	Privacy	613	765	N/A	N/A	1143	1407
Magnetic Functions							
CM	Passage	501	727	704	N/A	635	851
EM	Privacy	583	734	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	545	700	N/A	N/A	590	761
Z	Fixed Single Dummy	273	350	226	N/A	295	380

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.



1106



1144



1242



1267

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-6204-238-T1-134

Example for Specifying

Premium Series - HLL

Tubular Locks



1025



1031



1045



1053

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
C	Passage	725	899	879	N/A	787	999
E	Privacy	765	913	N/A	N/A	1295	1543
Magnetic Functions							
CM	Passage	653	876	856	N/A	787	999
EM	Privacy	735	883	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	697	848	N/A	N/A	742	909
Z	Fixed Single Dummy	349	424	226	N/A	371	455

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.



1183



1244



1254

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

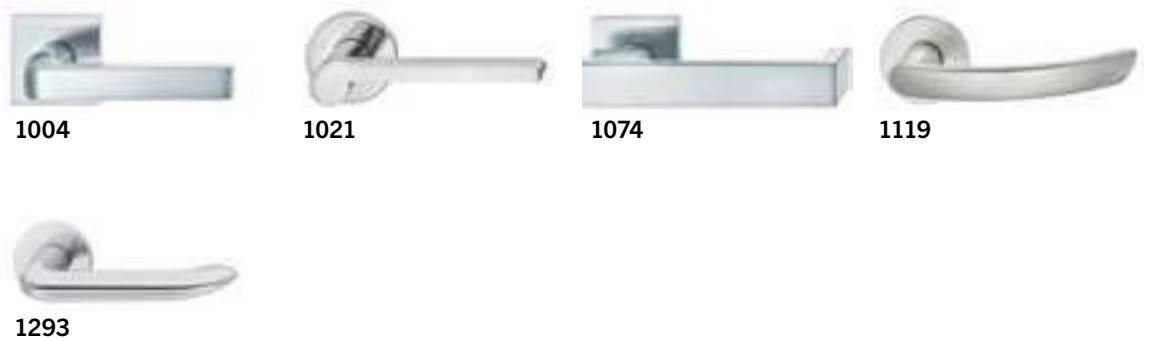
Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-6204-238-T1-134

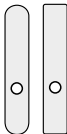
Example for Specifying

Premium Series - HLL

Tubular Locks



Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
C	Passage	879	1056	1033	N/A	941	1157
E	Privacy	919	1071	N/A	N/A	1449	1700
Magnetic Functions							
CM	Passage	807	1033	1010	N/A	941	1157
EM	Privacy	889	1040	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	851	1006	N/A	N/A	896	1067
Z	Fixed Single Dummy	426	503	226	N/A	448	533

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.



1243



1245



1291



1292

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-6204-238-T1-134

Example for Specifying

Premium Series - HLL

Tubular Locks



1102

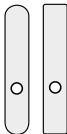


1134



1163

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
Standard Functions		6204	6205	6204	6205	6204	6205
C	Passage	1038	1240	1192	N/A	1100	1340
E	Privacy	1079	1254	N/A	N/A	1608	1893
Magnetic Functions							
CM	Passage	966	1217	1169	N/A	1100	1340
EM	Privacy	1048	1224	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	1011	1189	N/A	N/A	1055	1250
Z	Fixed Single Dummy	505	595	226	N/A	528	625

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

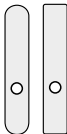
Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn
HLL-C-1147-RA-6204-238-T1-134
 Example for Specifying

Premium Series - HLL

Tubular Locks



Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
C	Passage	958	941	N/A	N/A	1190	1251
E	Privacy	973	1003	N/A	N/A	1505	1566
Magnetic Functions							
CM	Passage	920	941	N/A	N/A	1190	1251
EM	Privacy	915	945	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	852	904	N/A	N/A	907	968
Z	Fixed Single Dummy	426	452	N/A	N/A	453	484

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 273.

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type

Function

Lever

Trim Set

Finish

Backset

Strike

Door Thkn

HLL-C-1147-RA-7615-238-T1-134

Example for Specifying

Premium Series - HLL

Tubular Locks

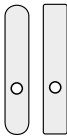


1045



1053

Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
C	Passage	1020	1002	N/A	N/A	1251	1313
E	Privacy	1034	1064	N/A	N/A	1489	1550
Magnetic Functions							
CM	Passage	982	1002	N/A	N/A	1251	1313
EM	Privacy	976	1006	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	913	965	N/A	N/A	968	1029
Z	Fixed Single Dummy	457	482	N/A	N/A	484	515

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 273.

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type

Function

Lever

Trim Set

Finish

Backset

Strike

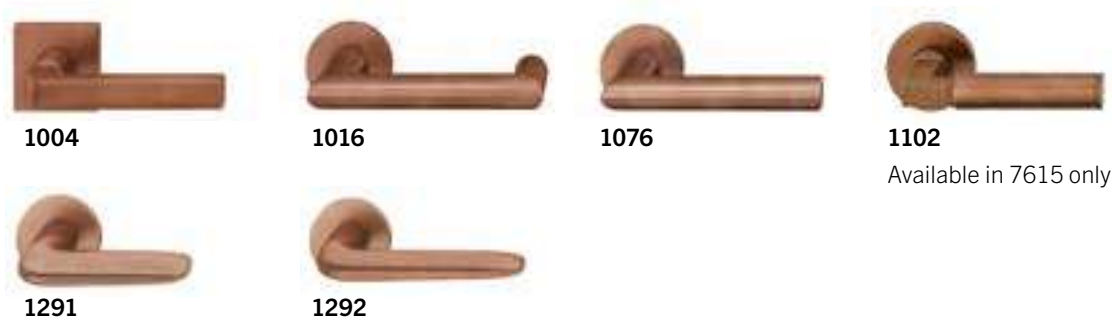
Door Thkn

HLL-C-1147-RA-7615-238-T1-134

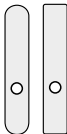
Example for Specifying

Premium Series - HLL

Tubular Locks



Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		7615	7625	7615	7625	7615	7625
C	Passage	1020	1063	N/A	N/A	1251	1374
E	Privacy	1034	1125	N/A	N/A	1489	1611
Magnetic Functions							
CM	Passage	982	1063	N/A	N/A	1251	1374
EM	Privacy	976	1067	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	913	1026	N/A	N/A	968	1090
Z	Fixed Single Dummy	457	513	N/A	N/A	484	545

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 273.



1134



1163



1242



1267

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type

Function

Lever

Trim Set

Finish

Backset

Strike

Door Thkn

HLL-C-1147-RA-7615-238-T1-134

Example for Specifying

Elements Series - HLL

Tubular Locks



1005



1015



1021



1023



1070



1075



1076



1107

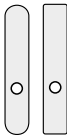


1163



1289

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
C	Passage	371	517	N/A	N/A	462	579
E	Privacy	407	566	N/A	N/A	641	791
Magnetic Functions							
CM	Passage	346	493	N/A	N/A	439	556
EM	Privacy	377	530	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	342	441	N/A	N/A	391	496
Z	Fixed Single Dummy	171	221	N/A	N/A	196	248

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.



Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ½" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-0105-238-T1-134

Example for Specifying

Elements Series - HLL

Tubular Locks



1003



1016

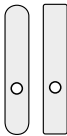


1031



1106

Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
C	Passage	430	602	N/A	N/A	523	665
E	Privacy	468	648	N/A	N/A	711	845
Magnetic Functions							
CM	Passage	408	579	N/A	N/A	501	642
EM	Privacy	438	616	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	403	527	N/A	N/A	452	581
Z	Fixed Single Dummy	201	263	N/A	N/A	226	291

Note: When ordering Z Function please specify hand.

RS by quote only, RS Trim add \$220 for 6204

RP not available with Magnetic Latch

+ Levers 1003, 1074, 1183 not available with E Function

Options are found on page 273.



1242



1246



1267

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-0105-238-T1-134

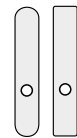
Example for Specifying

Elements Series - HLL

Tubular Locks



Trim Choices



		RA, RD, RM, RP		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
C	Passage	492	638	N/A	N/A	585	702
E	Privacy	530	685	N/A	N/A	772	882
Magnetic Functions							
CM	Passage	469	615	N/A	N/A	562	679
EM	Privacy	499	653	N/A	N/A	N/A	N/A
Dummy Functions							
Y	Fixed Double Dummy	464	564	N/A	N/A	513	618
Z	Fixed Single Dummy	232	282	N/A	N/A	257	309

Note: When ordering Z Function please specify hand.
RS by quote only, RS Trim add \$220 for 6204
RP not available with Magnetic Latch
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 273.



Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors. Not available with RJ Trim.	Add	32
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Full options are found on page 273.

Lock Type
 Function
 Lever
 Trim Set
 Finish
 Backset
 Strike
 Door Thkn

HLL-C-1147-RA-0105-238-T1-134

Example for Specifying

HLL Series

Tubular Locks

Special Notes

- E Function not available with Levers 1003, 1074 and 1183.
- When ordering Z Function please specify hand.

Tubular Lock Options

Options	Descriptions		Price
Single Side	1S - Active Lever/Knob Fixed to trim inside only	No Charge	N/C
Special Door Thickness	2 ¼" to 2 ½" Thick doors.	Add	32
	2 ¾" to 3" Thick doors.	Add	40
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	41
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	50
Full Lip Strike	HLL 1003 T23	Add	21
Faceplate	118 - 1 ⅛" x 2 ¼" latch front and faceplate for Spring Latch	Add	37

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Tubular Latches (includes strike, scalp & dust box)	HLL 7010	UL Passage Latch	178	213
	HLL 7230	Passage Latch	105	126
	HLL 7240	Privacy Latch	127	152
	HLL 7230 M	Magnetic Passage Latch	209	-
	HLL 7240 M	Magnetic Privacy Latch	213	-
	Note: Specify 2 ¾" or 2 ¾" backset and finish.			
Tubular Strikes	HLL 1001	HLL Strike for Spring Latch	14	17
	HLL 1001 99	T1 - T5 Strike	41	49
	HLL 1001 99	T6 - T11	50	59
	HLL 1002	ANSI HLL Strike T14	31	37
	HLL 1002	ANSI HLL Strikes T12, T13, T15, T16	41	49
	HLL 1002	ANSI HLL Strikes T17 - T22	50	59
	HLL 1003	Full Lip Strike	21	26
Magnetic Strike	HLL 1001M	HLL Strike for Magnetic Latch	-	-

Parts	Numbers	Description	Unit	Price
Stabilizer	03 0450 09151	Used with 160/161 bored lock prep (2 ⅛" Diam.)	Each	6
Dust box	HLL 2001	Plastic Dust Box	Each	8





Deadbolts

HDD, MDD, KDD Series

Deadbolt Series HDD and KDD

The FSB deadbolt is a high quality, heavy duty tubular deadbolt manufactured to meet stringent quality standards. This series is designed to work with a wide selection of FSB trim designs. Applications include high-end residential, hospitality, retail, and office buildings.

The deadbolt is backed by a 3 year limited warranty.

Deadbolt Series MDD

The FSB Mini Mortise Deadbolt (MDD) is a high quality, heavy duty mortise deadbolt manufactured to meet stringent quality standards. Built using a heavy-gauge steel case, the lock features a stainless steel deadbolt to work with a wide selection of FSB trim designs. Applications include high-end residential, hospitality, retail, and office buildings.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 lever and trim designs that can be suited with our standard, narrow style and European mortise locks, sliding door locks, sliding door hardware, and door pulls we will complement your design vision.

FSB Material Identifier







Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

-  **Stainless Steel**
-  **Bronze**
-  **Aluminum**

Specifying Deadbolts

Deadbolt Series HDD/MDD/KDD

Deadbolt Type	Lock and Latch Function	Trim Set	Thumbturn and Indicator
<h3>HDD</h3> <p>Insert your choice of Lock Type.</p> <p>HDD Tubular Deadbolt MDD Mini Mortise Deadbolt KDD Keyed Tubular Deadbolt</p>	<h3>S</h3> <p>Insert your choice of function using one of the letter codes below.</p> <p>HDD R Thumbturn Deadbolt S Thumbturn Deadbolt with Emergency Release</p> <p>MDD M Keyed Deadbolt N Key x Key Deadbolt P Key x Thumbturn Deadbolt R Thumbturn Deadbolt S Thumbturn Deadbolt with Emergency Release</p>	<h3>RA</h3> <p>Insert your choice of rose using one of the two letter codes below.</p> <p>RA Rose 2³/₁₆" (55 mm) RF*Narrow Rose RM Square Rose</p> <p>* Available in Stainless Steel and Aluminum only. ^ Only available for HDD in 6204 Stainless Steel.</p>	<h3>SN</h3> <p>Insert your choice of thumbturn using the codes provided.</p> <p> Standard thumbturn, available with RA and RM roses S</p> <p> ADA thumbturn available with RA, RM roses only D</p> <p> Crescent thumbturn available with RF C Trim only</p> <p>Premium/Elements Emergency Releases</p> <p> N  I</p>
	<p>KDD N Key x Key Deadbolt P Key x Thumbturn Deadbolt</p>	<p>Premium/Elements DA Conical Rose 2³/₁₆ (55 mm) DD Conical Rose 2⁹/₁₆ (65 mm) RA*Round w/collar 2³/₁₆ (55 mm) RD*Round w/collar 2⁹/₁₆ (65 mm) RM*Square w/collar 2³/₁₆ (55 mm)</p> <p>* Available in Stainless Steel and 0810 Black Color Aluminum only.</p>	<p> Standard thumbturn available with all roses S</p>

Example for Specifying

HDD - S - RA - SN - 6204 - 238 - 134

Material and Finish

6204

Insert your choice of material and finish using one of the codes below.

Premium Series

Stainless Steel

- 6204 Satin (630)
- 6205 Polished (629)

Bronze

- 7615 Aged, Waxed (615)
- 7625 Dark Oxidized, Waxed (613)

Elements Series

Non-Anodized Aluminum

- 0013 Pure Aluminum, Natural

Anodized Aluminum

- 0105 Natural Color (628)

Textured Anodized Aluminum

- 0510 Medium Bronze Color
- 0710 Dark Bronze Color (710)
- 0810 Black Color (711)

Powder Coated Aluminum

- 8120 Black (671)
- 8220 White (714)
- 8876 Light Bronze
- 8877 Pale Bronze

Backset

238

Insert your choice of backset using one of the three digit codes below.

Standard Tubular
HDD/KDD

- 238 2 3/8" Backset
- 234 2 3/4" Backset

Standard Mortise
MDD

- 212 2 1/2" Backset
- 234 2 3/4" Backset

Handing

All sets are non-handed.

Door Thickness

134

Insert your choice of door thickness using one of the three digit codes.

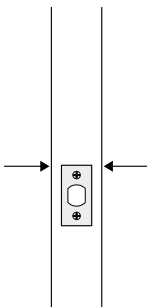
Standard

- 134 1 3/4"

Special Order

- 200 2"
- 214 2 1/4"

All sizes over 2 1/4" thick please consult FSB.



Heavy Duty Privacy Deadbolt

Series HDD Functions

HDD



Series HDD

Heavy Duty Privacy Deadbolt

Specifications

Full bolt extension achieved with 135° thumbturn rotation

Deadbolt

All HDD use the same deadbolt.

Backsets

- 2 3⁄8" (60 mm)
- 2 3⁄4" (70 mm)

Strike

Universal deadbolt strike with dustbox.

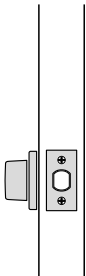
Face Plate

- Faceplate width 1" (25.4 mm) standard
- Faceplate width 1 1⁄8" (28.5 mm) optional

Function R

Deadbolt with Thumbturn

Description
Deadbolt by thumbturn inside.
No operation outside.



Premium and Elements Series Trim Sets

RA-S



RA-D



RM-S



RM-D



RF-C



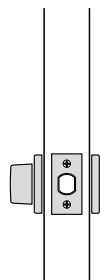
Heavy Duty Privacy Deadbolt

Series HDD Functions

Function S

Deadbolt with Thumbturn and Emergency Release

Description
Deadbolt by thumbturn inside and emergency release outside.



Premium and Elements Series Trim Sets

RA-SN/SI	RA-DN/DI	RM-SN/SI	RM-DN/DI	RF-CI

HDD

Mini Mortise Deadbolt

Series MDD Functions

MDD



Series MDD

Mini Mortise Deadbolt

Specifications

Full bolt extension achieved with 90° thumbturn rotation

Deadbolt

All MDD use the same deadbolt.

Backsets

- 2 ½" (64 mm)
- 2 ¾" (70 mm)

Strike

Mini mortise deadbolt strike with dustbox.

Face Plate

- Faceplate width 1 ¼" (31.75 mm) standard
- Faceplate width 1 " (25.4 mm) optional

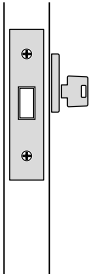
Function M

Single Key Deadlock

ANSI Code F18

Description

Deadbolt by key outside.
No operation inside.



Premium and Elements Series Trim Sets

RA



RM



RF



Mini Mortise Deadbolt

Series MDD Functions

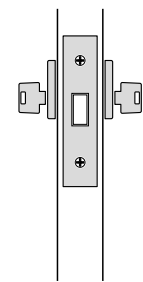
Function N

Key x Key Deadlock

Description

Deadbolt by key either side.

ANSI Code F16



Premium and Elements Series Trim Sets

RA



RM



RF



Mini Mortise Deadbolt

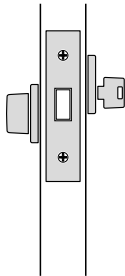
Series MDD Functions

Function P

Key x Thumbturn
Deadlock

Description
Deadbolt by key outside and
thumbturn inside.

ANSI Code F17



Premium and **Elements Series** Trim Sets

RA-S



RA-D



RM-S



RM-D



RF-C

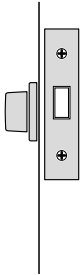


MDD

Function R

Thumbturn Deadlock

Description
Deadbolt by thumbturn inside.
No operation outside.



Premium and **Elements Series** Trim Sets

RA-S



RA-D



RM-S



RM-D



RF-C



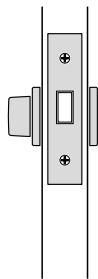
Mini Mortise Deadbolt

Series MDD Functions

Function S

Thumbturn Deadlock with
Emergency Release
(Privacy)

Description
Deadbolt by thumbturn inside and
emergency release outside.



Premium and Elements Series Trim Sets

RA-SN/SI RM-SN/SI RF-CI




RA-DN/DI RM-DN/DI

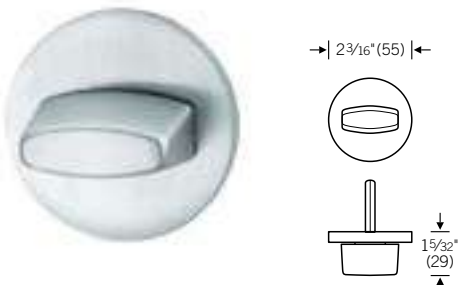


Thumbturns for RA 55mm Rose

Deadbolt HDD, MDD


S

17 1744 00169 
Standard Thumbturn



HDD / MDD


Standard Turn with Emergency Release (SN)

17 1744 00160 

Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159 

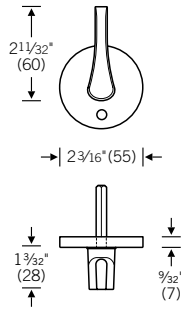
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RA 55mm Rose Deadbolt HDD, MDD

D

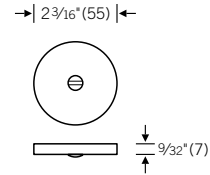
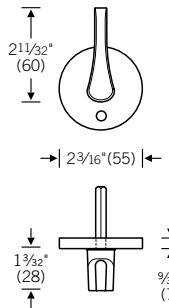
17 1744 09169 ■ ■
ADA Thumbturn



ADA Turn with Emergency Release (DN)

17 1744 09160 ■ ■

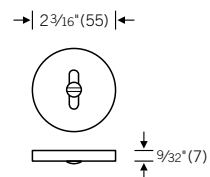
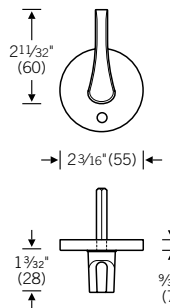
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)


17 1744 09159 ■ ■

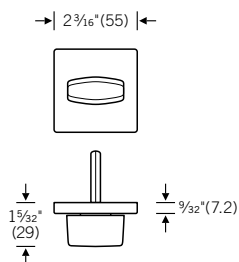
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Square Rose Deadbolt HDD, MDD

S

17 1712 00169 
Standard Thumbturn

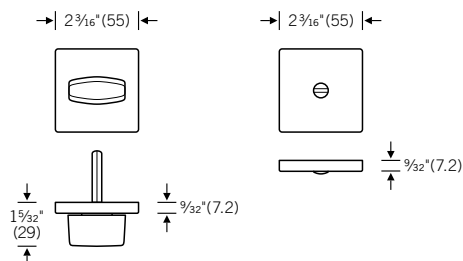


HDD / MDD


Standard Turn with Emergency Release (SN)

17 1712 00160 

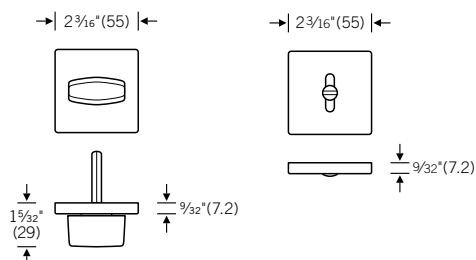
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)


17 1712 00159 

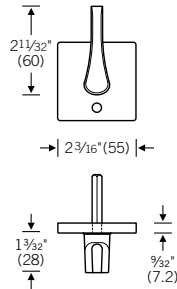
Trim Set - Includes two rose assemblies, spindle and screws




Thumbturns for RM 55mm Square Rose Deadbolt HDD, MDD

D

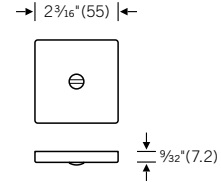
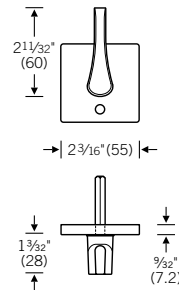
17 1712 09169 
ADA Thumbturn




ADA Turn with Emergency Release (DN)

17 1712 09160 

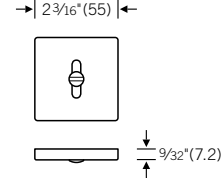
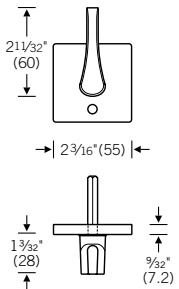
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 


Trim Set - Includes two rose assemblies, spindle and screws

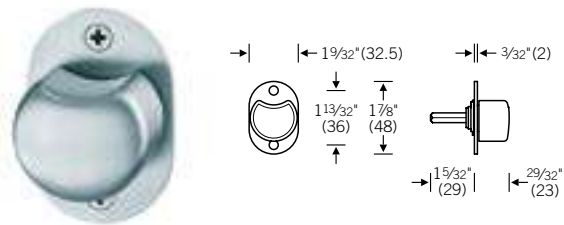


Trim Set RF Narrow Rose Deadbolt HDD, MDD

Premium and Elements

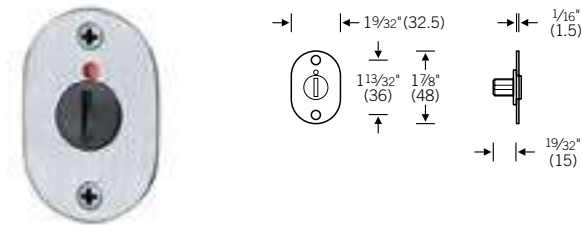
C

03 0418 09001 
Crescent Thumbturn



I

Emergency Release with Indicator






Set with Crescent Thumbturn (C) 03 0418 09002

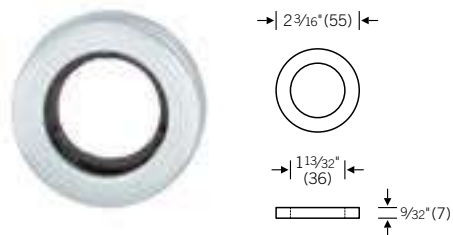
HDD / MDD

Cylinder Rings for MDD

Deadbolt MDD




RA Cylinder Ring

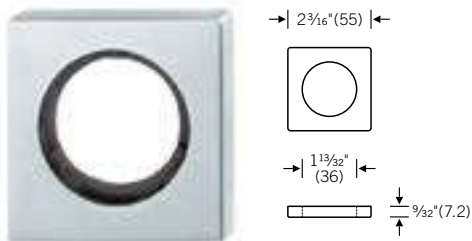
17 1735 12601   





Cylinders must be ordered separately

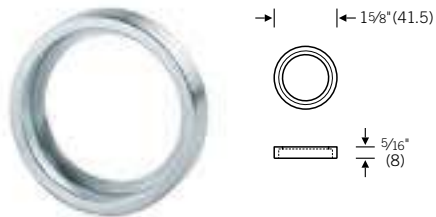
RM Cylinder Ring

17 1704 12601   



RF Cylinder Ring

03 0450 09001  



Keyed Deadbolt

Series KDD Functions



Series KDD

Keyed Deadbolt

Specifications

Faceplate width 1" (25.4 mm).

Deadbolt

All KDD use the same deadbolt.

Backsets

2 3⁄8" (60 mm)

2 3⁄4" (70 mm)

Strike

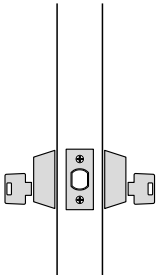
Universal deadbolt strike with dustbox.

Function N

Key x Key Deadbolt

Description

Deadbolt by key either side.



Premium and **Elements Series** Trim Sets

DA



DD



RA



RD*



RM



* Available in
Stainless Steel only.

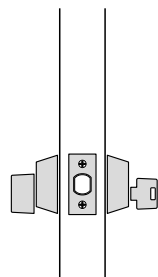
Keyed Deadbolt

Series KDD Functions

Function P

Key x Thumbturn
Deadbolt

Description
Deadbolt by key outside and thumbturn inside.



Premium and Elements Series Trim Sets

* Available in Stainless Steel only.

DA	DD	RA	RD*	RM



KDD

Trim Sets

Keyed Deadbolt KDD

DA

03 0450 09011 ■ ■
2 3/16" (55 mm) × 3/4" (19 mm)



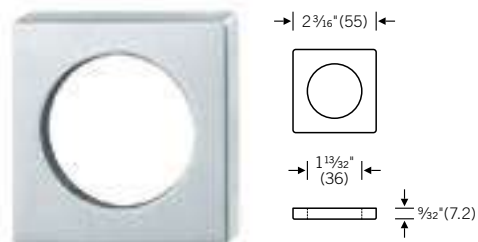
DD

03 0450 09010 ■ ■
2 9/16" (65 mm) × 3/4" (19 mm)



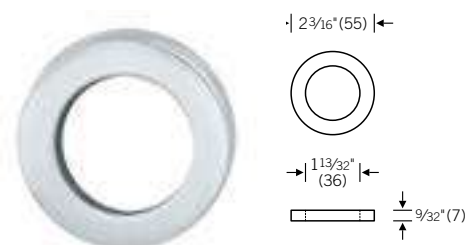
RM Cylinder Ring

17 1704 12601 ■ ■



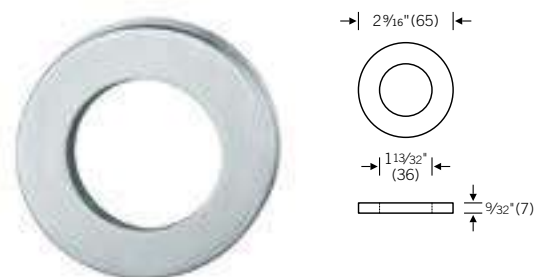
RA Cylinder Ring

17 1735 12601 ■ ■



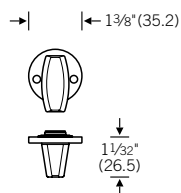
RD Cylinder Ring*

17 1798 02601 ■



Thumbturn

03 0450 09012 ■ ■



Cylinder must be
ordered separately

* Available in Stainless
Steel only.

Deadbolt

Suggested Specification

HDD 7220 Privacy Tubular Deadbolt

All heavy duty tubular deadbolts shall be series HDD as provided by FSB North America, Berlin, CT.

Deadbolts shall have either a 2 3/4" (70 mm) or 2 3/8" (60 mm) backset and be non-handed.
Strikes shall be non-handed.

Trim designs shall be FSB and shall be matched to each specific lock type and function to ensure proper compatibility.

All heavy duty tubular deadbolts shall carry a 3 year limited warranty.

Steel Case

Size varies according to backset. Heavy gauge Die Cast Alloy.

Latch Front and Faceplate

1" x 2 1/4" (25.4 x 57 mm) Standard
1 1/8" x 2 1/4" (28.5 x 57 mm) Optional
stainless steel or brass, finished to match.

Deadbolt

9/16" (14 mm) throw.
One-piece, satin nickel or satin brass finish. Field reversible.

Hub

.2" (5 mm) diamond, machined brass
135° thumbturn rotation for full extension.

Door Thickness

1 3/8" – 2 1/4" (35 – 57 mm) Standard

Backsets

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

Strike

2 3/4" x 1 1/8" (70 x 28.5 mm).
Wrought stainless steel or brass, finished to match. Regularly furnished as standard with a black plastic dust box.
Special strikes and wrought dust boxes available on a special order basis.

MDD 7200 Mini Mortise Deadbolt

All mini mortise deadbolts shall be series MDD as provided by FSB North America, Berlin, CT.

Deadbolts shall have either a 2 3/4" (70 mm) or 2 1/2" (64 mm) backset and be non-handed.
Strikes shall be non-handed.

Trim designs shall be FSB and shall be matched to each specific lock type and function to ensure proper compatibility.

All keyed deadbolts shall carry a 3 year limited warranty.

Steel Case

Size varies according to backset. Heavy gauge .093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.

Latch Front and Faceplate

1 1/8" x 4 5/8" (28.5 x 117.5 mm) Standard
stainless steel or brass, finished to match.
Adjustable for beveled conditions from flat to standard bevel.

Deadbolt

.5625 x 1.25" x 1" (14 x 32 x 25.4 mm) throw.
Solid forged stainless steel throw with free-rotating hardened steel saw-proof inserts.

Hub

.2" (5 mm) diamond, machined brass
90° thumbturn rotation for full extension.

Door Thickness

1 3/4" (45 mm) Standard

Backsets

2 3/4" (70 mm) Standard, 2 1/2" (64 mm).

Strike

1 1/8" x 3 1/2" (28.5 x 89 mm).
Wrought stainless steel or brass, finished to match. Regularly furnished as standard with a black plastic dust box.
Special strikes and wrought dust boxes available on a special order basis.

KDD 7070 Keyed Tubular Deadbolt

All keyed deadbolts shall be series KDD as provided by FSB North America, Berlin, CT.

Deadbolts shall have either a 2 3/4" (70 mm) or 2 3/8" (60 mm) backset and be non-handed.
Strikes shall be non-handed.

Trim designs shall be FSB and shall be matched to each specific lock type and function to ensure proper compatibility.

All keyed deadbolts shall carry a 3 year limited warranty.

Latch Front and Faceplate

1" x 2 1/4" (25.4 x 57 mm) Standard
Stainless steel.

Deadbolt

1" (25.4 mm) throw.
One-piece, solid brass, nickel finish.
Field reversible.

Hub

.3125" (8 mm) cross
90° thumbturn rotation for full extension.

Door Thickness

1 3/4" – 2 1/4" (45 – 57 mm) Standard

Backsets

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

Strike

2 3/4" x 1 1/8" (70 x 28.5 mm).
Wrought stainless steel or brass, finished to match. Regularly furnished as standard with a black plastic dust box.
Special strikes and wrought dust boxes available on a special order basis.

Heavy Duty Tubular Deadbolts - HDD

Deadbolts

Trim Choices

Standard Functions		Function Description		RA, RM	
		6204			6205
R		Thumbturn	187	217	
S		Turn & Release	270	322	
		7615			7625
R		Thumbturn	281	277	
S		Turn & Release	393	381	
		0105			All Other Aluminum
R		Thumbturn	188	228	
S		Turn & Release	271	341	

HDD, MDD Options

Deadbolts

– RF Trim is only available with the crescent thumbturn.



HDD, MDD Options

Options	Descriptions	Price	
Special Door Thickness	2 ¼" to 3 ½" Thick Doors	Add	15

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	HDD 7220	Heavy Duty Privay Deadbolt	104	124
Strike	HDD 1001	Strike for HDD	17	23
Dustbox	HLL 2001	Dustbox for HDD	8	8

Thumbturn and Release Options



Standard



ADA



Emergency Release

Options	Descriptions		Price	
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	148
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	70

Lock Type

Function

Trim Set

Finish

Backset

Door Thkn

HDD-S-RA-6204-238-134

Example for Specifying

Mini Mortise Deadbolts - MDD

Deadbolts

MDD

Trim Choices

Standard Functions		Function Description		RA, RM	
				6204	6205
M		Single Key		444	462
N		Key x Key		542	577
P		Key x Turn		555	602
R		Thumbturn		548	607
S		Turn & Release		699	801
				7615	7625
M		Single Key		521	521
N		Key x Key		696	696
P		Key x Turn		725	722
R		Thumbturn		735	728
S		Turn & Release		952	927
				0105	All Other Aluminum
M		Single Key		459	539
N		Key x Key		570	732
P		Key x Turn		570	691
R		Thumbturn		550	630
S		Turn & Release		701	838

HDD, MDD Options

Deadbolts

– RF Trim is only available with the crescent thumbturn.



HDD, MDD Options

Options	Descriptions	Price	
Special Door Thickness	2 ¼" to 3 ½" Thick Doors	Add	15

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	HDD 7220	Heavy Duty Privay Deadbolt	104	124
Strike	HDD 1001	Strike for HDD	17	23
Dustbox	HLL 2001	Dustbox for HDD	8	8

Thumbturn and Release Options



Standard



ADA



Emergency Release

Options	Descriptions		Price	
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	148
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	70

Lock Type
Function
Trim Set
Finish
Backset
Door Thkn

MDD-S-RA-6204-238-134

Example for Specifying

Keyed Tubular Deadbolts - KDD

Tubular Locks

KDD



Standard Functions	Function Description	DA		DD	
		6204	6205	6204	6205
N	Deadbolt - Key x Key	331	371	392	452
P	Deadbolt - Key x TT	420	498	480	578

		0105	All Other Aluminum	0105	All Other Aluminum
N	Deadbolt - Key x Key	290	330	326	376
P	Deadbolt - Key x TT	359	430	394	476



	RA		RD		RM	
	Stainless Steel	Aluminum	Stainless Steel	Aluminum	Stainless Steel	Aluminum
	6204	0810	6204	0810	6204	0810
N	375	385	430	508	417	632
P	467	486	518	608	505	729

KDD Options

Deadbolts

KDD Options

Options	Descriptions		Price
Special Door Thickness	For doors over 2 ¼" thickness	Add	15

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	KDD 7070	Keyed Deadbolt	95	105
Strike	HDD 1001	Strike for KDD	17	23
Dustbox	HLL 2001	Dustbox for KDD	8	-

Lock Type

Function

Trim Set

Thumbturn

Finish

Backset

Door Thkn

KDD-N-DA-S-6204-238-134

Example for Specifying



SL

Sliding Lever Lock

SLL Series

Quality

A premium quality, heavy duty commercial grade sliding and door lock series manufactured in the United States to meet the stringent demands of commercial applications. Built using a heavy-gauge steel case, the lock features a machined, solid brass deadlock with stainless steel hooks. The locks are designed to accommodate FSB trim for positive alignment of the lock case.

The lock is backed by a 10 year limited warranty.

Design Advantage

FSB has the widest selection of designer levers and trim in the industry. With more than 100 lever and trim designs that can be suited with our Entrance, Standard, Narrow style and European mortise locks, tubular locks, sliding door hardware, and door pulls we will complement your design vision.

Locks are available with backsets from 2 1/2" to 6".

Available with our Premium and Elements Series of door furniture.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.






- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

- **Stainless Steel**
- **Bronze**
- **Aluminum**

Specifying Locksets

Sliding Lever Lock (SLL)

SLL

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator
SLL Insert your choice of Lock Type.	B Insert your choice of function using one of the letter codes below.	1147 Insert your choice of lever design using one of the four digit codes.	RA Insert your choice of rose or escutcheon using one of the letter codes.	S Insert your choice of thumbturn and indicator if necessary using the codes provided.
SLL	B Dormitory E Privacy T Patio	Premium/Elements 1003 1108 1004 1119 1005 1134 1015 1144 1016 1146 1021 1147 1023 1163 1025 1183 1031 1242 1035 1243 1045 1244 1053 1245 1058 1246 1070 1254 1074 1267 1075 1289* 1076 1291 1102 1292 1106 1293 1107	Premium/Elements RA Rose 2 3/16" (55 mm) RM Square Rose (55 mm) EC Long Rounded ED Long Rectangular Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.	Premium/Elements  Standard thumbturn available with roses and escutcheons S  ADA thumbturn available with RA, RD, and RM roses D  Crescent thumbturn available with RF C Trim only Premium/Elements Emergency Releases  N  I
		* Elements Only		

Example for Specifying

SLL - B - 1147 - RA - S - 6204 - 234 - RH - 134

Material and Finish

6204

Insert your choice of material and finish using one of the codes below.

Premium Series

Stainless Steel

- **6204** Satin (630)
- **6205** Polished (629)

Bronze

- **7615** Aged, Waxed (615)
- **7625** Dark Oxidized, Waxed (613)

Elements Series

Non-Anodized Aluminum

- **0013** Pure Aluminum, Natural

Anodized Aluminum

- **0105** Natural Color (628)

Textured Anodized Aluminum

- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)
- **8876** Light Bronze
- **8877** Pale Bronze

Backset

234

Insert your choice of backset using one of the three digit codes below.

Standard

234 2 ¾" Backset

Special Order

- 212** 2 ½" Backset
- 334** 3 ¾" Backset
- 500** 5" Backset
- 600** 6" Backset

Handing

RH

Insert your choice of hand using one of the two letter codes below.

- RH** Right Hand
- LH** Left Hand

Door Thickness

134

Insert your choice of door thickness using one of the three digit codes.

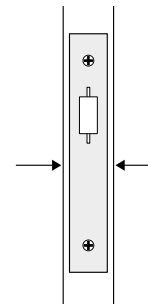
Standard

134 1 ¾"

Special Order

- 138** 1 ⅝"
- 200** 2"
- 214** 2 ¼"

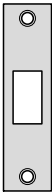
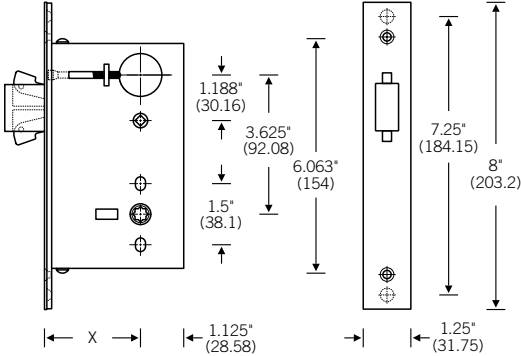
All sizes over 1 ¾" thick are special order. Please consult FSB.



Sliding Lever Lock

Series SLL Functions

SLL



Series SLL

Sliding Door Lock

- Backsets**
- 2 1/2" (64 mm)
 - 2 3/4" (70 mm)
 - 3 3/4" (95 mm)
 - 5" (127 mm)
 - 6" (152 mm)

Strike
Deadbolt strike with dustbox.

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

Lock Body
All SLL use the same lock body.
Lock body only: SLL 7005

Sliding Lever Lock

Series SLL Functions

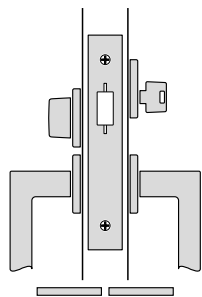
Function B

Dormitory

ANSI Code F13

Description

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



Split Spindle

Premium and Elements Series Trim Sets

RA-S



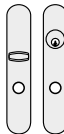
RD-S



RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



Sliding Lever Lock

Series SLL Functions

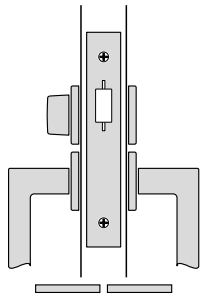
Function E

Privacy

ANSI Code F19

Description

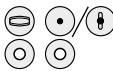
Dead bolt by handle inside only.
Dead bolt by thumbturn inside and
emergency release outside.
Outside handle is always rigid.



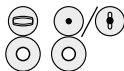
Split Spindle

Premium and Elements Series Trim Sets

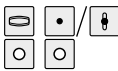
RA-SN/SI



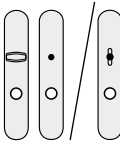
RD-SN/SI



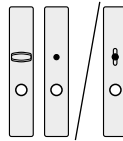
RM-SN/SI



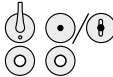
EC-SN/SI



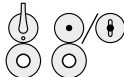
ED-SN/SI



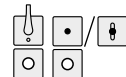
RA-DN/DI



RD-DN/DI



RM-DN/DI



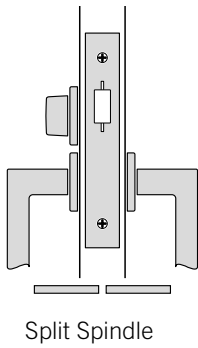
Sliding Lever Lock

Series SLL Functions

Function T

Patio

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



Premium and Elements Series Trim Sets

RA-S



RD-S



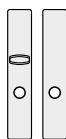
RM-S



EC-S



ED-S



RA-D



RD-D



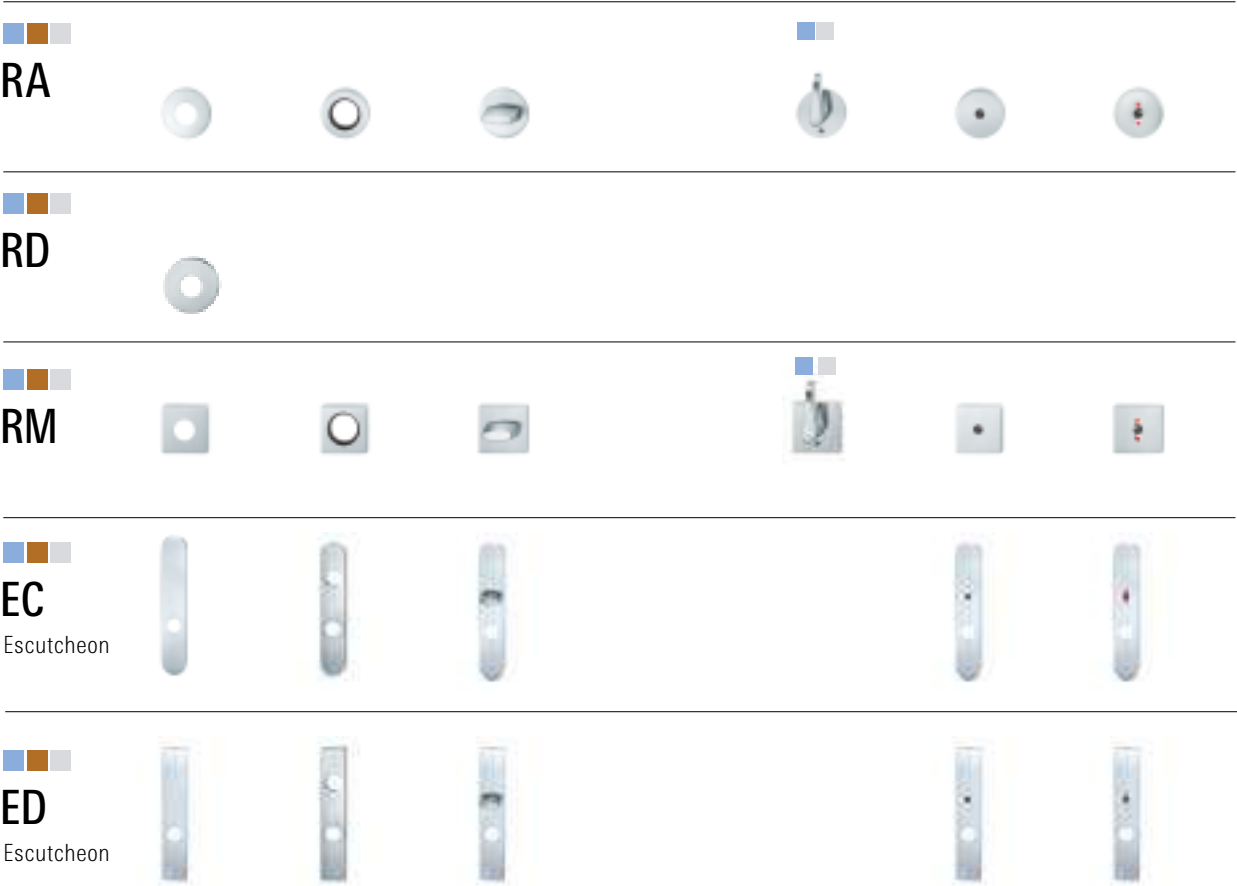
RM-D



Trim Set Overview

Sliding Lever Lock (SLL)

SLL



For trim set details please refer to Standard Mortise Locks Section

	Premium Series	Elements Series	
Material	<div> <div>Stainless Steel</div> <div>Bronze</div> </div>	<div>Aluminum</div>	
Finishes	<div> <div>6204 (630)</div> <div>7615 (615)</div> <div>6205 (629)</div> <div>7625 (613)</div> </div>	<div> <div>0013</div> <div>0105 (628)</div> <div>8120</div> <div>8220</div> <div>0510</div> <div>0710 (710)</div> <div>0810 (711)</div> <div>8876</div> <div>8877</div> </div>	

Sliding Lever Lock

Suggested Specification

Sliding Lever Lock SLL 7005

All heavy duty sliding door locks shall be series SLL as manufactured by FSB North America, Berlin, CT.

Locksets shall be available with backsets ranging from 2 ½" to 6" and be non-handed.

Trim designs shall be FSB and shall be matched to each specific lock type and function to ensure proper compatibility.

All heavy duty sliding door locks shall carry a 10 year limited warranty.

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. Finished to match.

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)
2.75" (70 mm)
3.75" (95 mm)
5.00" (127 mm)
6.00" (152 mm)

Spacing

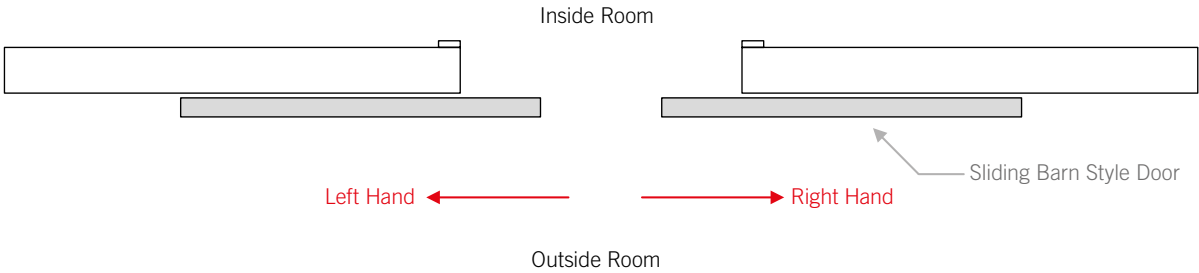
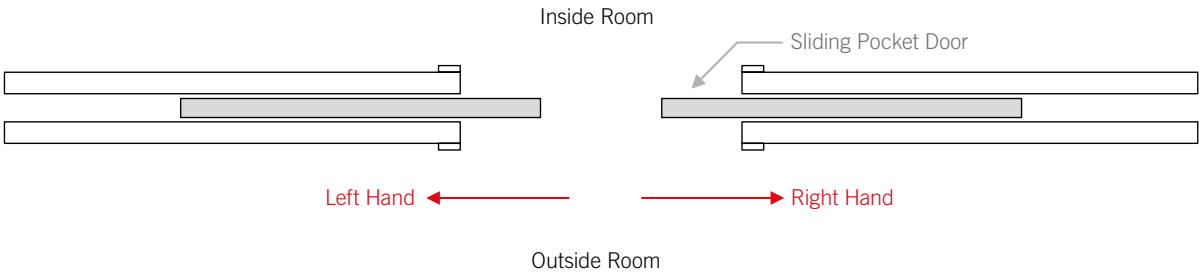
3.625" (92 mm) center lever hub to center cylinder, 2.4375" (62 mm) center lever hub to center thumbturn hub.

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.

Handing Sliding Door Hardware

Standing on the outside of a room which could be a closet, a bedroom, a bathroom, an office, etc., if the door slides to the right then you need a right-hand lock and if to the left then you need a left-hand lock.



SLT



Premium Series - SLL

Sliding Lever Locks



1005



1023



1035



1070

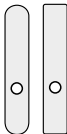


1146



1147

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1374	1527	N/A	N/A	1375	1533
E	Privacy	1328	1480	N/A	N/A	1340	5568
T	Patio	1284	1425	N/A	N/A	1324	1479

Options are found on page 335.
 Keying Charges are found on page 546.



1075



1076



1107



1108

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Handing

Door Thkn

SLL-B-1147-RA-S-6204-234-RH-134

Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1003



1015

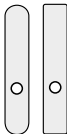


1016



1058

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1435	1649	N/A	N/A	1436	1655
E	Privacy	1389	1602	N/A	N/A	1401	6023
T	Patio	1346	1548	N/A	N/A	1385	1602

Options are found on page 335.
 Keying Charges are found on page 546.



1106



1144



1242



1267

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Handing
Door Thkn

SLL-B-1147-RA-S-6204-234-RH-134

Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1025



1031

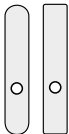


1045



1053

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1587	1798	N/A	N/A	1588	1804
E	Privacy	1541	1751	N/A	N/A	1553	6576
T	Patio	1498	1696	N/A	N/A	1537	1750

Options are found on page 335.
 Keying Charges are found on page 546.



1183



1244



1254

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Handing
 Door Thkn
SLL-B-1147-RA-S-6204-234-RH-134
 Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1004



1021



1074

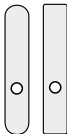


1119



1293

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1741	1955	N/A	N/A	1742	1961
E	Privacy	1695	1908	N/A	N/A	1707	7162
T	Patio	1652	1854	N/A	N/A	1691	1908

Options are found on page 335.
Keying Charges are found on page 546.



1243



1245



1291



1292

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Handing
Door Thkn

SLL-B-1147-RA-S-6204-234-RH-134

Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1102



1134



1163

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1900	2139	N/A	N/A	1902	2145
E	Privacy	1854	2092	N/A	N/A	1866	7845
T	Patio	1811	2037	N/A	N/A	1850	2091

Options are found on page 335.
Keying Charges are found on page 546.

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Handing

Door Thkn

SLL-B-1147-RA-S-6204-234-RH-134

Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1015

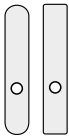


1023



1106

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1834	1890	N/A	N/A	1793	1854
E	Privacy	1888	1944	N/A	N/A	1753	1814
T	Patio	1733	1789	N/A	N/A	1736	1797

Options are found on page 335.
 Keying Charges are found on page 546.

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Handing

Door Thkn

SLL-B-1147-RA-S-7615-234-RH-134

Example for Specifying

Premium Series - SLL

Sliding Lever Locks

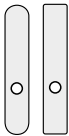


1045



1053

Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1895	1951	N/A	N/A	1854	1915
E	Privacy	1949	2005	N/A	N/A	1814	1875
T	Patio	1795	1850	N/A	N/A	1797	1858

Options are found on page 335.
Keying Charges are found on page 546.

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Handing

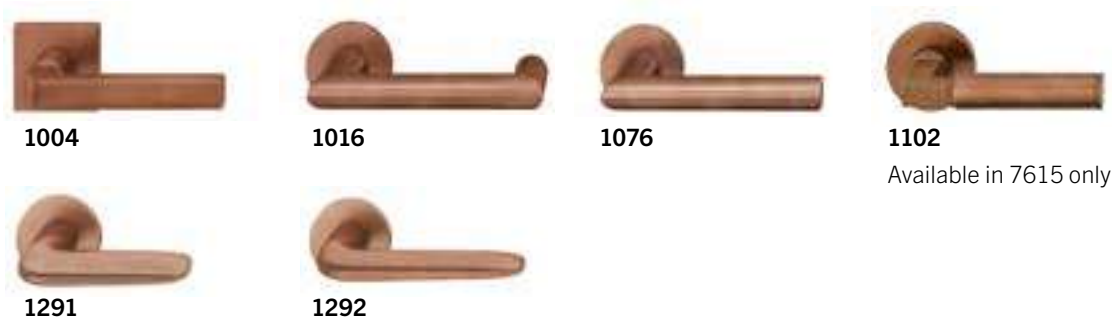
Door Thkn

SLL-B-1147-RA-S-7615-234-RH-134

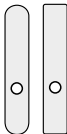
Example for Specifying

Premium Series - SLL

Sliding Lever Locks



Trim Choices



Standard Functions		RA, RD, RM		RJ		EC-ED	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1895	2012	N/A	N/A	1854	1976
E	Privacy	1949	2066	N/A	N/A	1814	1936
T	Patio	1795	1911	N/A	N/A	1797	1919

Options are found on page 335.
Keying Charges are found on page 546.



1134



1163



1242



1267

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Handing
Door Thkn

SLL-B-1147-RA-S-7615-234-RH-134

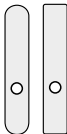
Example for Specifying

Elements Series - SLL

Sliding Lever Locks



Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	Dormitory	1181	1308	N/A	N/A	1229	1356
E	Privacy	1136	1264	N/A	N/A	1193	1321
T	Patio	1108	1228	N/A	N/A	1178	1304

Options are found on page 335.
Keying Charges are found on page 546.



Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type

Function

Lever

Trim Set

Thumbturn

Finish

Backset

Handing

Door Thkn

SLL-B-1147-RA-S-0105-234-RH-134

Example for Specifying

Elements Series - SLL

Sliding Lever Locks



1003



1016

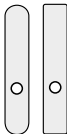


1031



1106

Trim Choices



		RA, RD, RM		RJ		EC-ED	
Standard Functions		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	Dormitory	1242	1393	N/A	N/A	1290	1442
E	Privacy	1197	1350	N/A	N/A	1254	1406
T	Patio	1169	1314	N/A	N/A	1239	1389

Options are found on page 335.

Keying Charges are found on page 546.



1242



1246



1267

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Handing
 Door Thkn
SLL-B-1147-RA-S-0105-234-RH-134

Example for Specifying

Elements Series - SLL

Sliding Lever Locks



1004



1074



1102
Available in 0105 finish only



1119



1245



1267

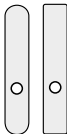


1291



1292

Trim Choices



		RA, RD, RM		RJ		EC-ED	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
B	Dormitory	1303	1430	N/A	N/A	1351	1479
E	Privacy	1258	1386	N/A	N/A	1316	1443
T	Patio	1231	1350	N/A	N/A	1300	1426

Options are found on page 335.
Keying Charges are found on page 546.



Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ⅜" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Full options are found on page 335.

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Handing
 Door Thkn
SLL-B-1147-RA-S-0105-234-RH-134
 Example for Specifying

Premium & Elements Series SLL

Sliding Door Locks

Special Notes

– All Sliding Door Locks require a minimum 1 ¾" door thickness.

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	13
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	57
	2 ½" to 3" Thick Doors	Add	145
	3 ⅛" to 3 ¾" Thick Doors	Add	217
	3 ½" to 3 ¾" Thick Doors	Add	246
Backsets	2 ½" Backset	Add	46
	3 ¾" Backset	Add	1088
	5" Backset	Add	1489
	6" Backset	Add	1860

Thumbturn and Release Options



Standard



ADA



Emergency Release



Emergency with Indicator

Options	Descriptions			Price
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	148
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	70





Sliding & Pocket Door Locks

SDL, SPL, ESL, and EPL Series

SDL and SPL Series

Quality

A premium quality, heavy duty commercial grade sliding and pocket door lock/pull series manufactured in the United States to meet the stringent demands of commercial applications. Built using a heavy-gauge steel case, the lock features a machined, solid brass deadlock with stainless steel hooks. The locks are designed to accommodate FSB trim for positive alignment of the lock case. The lock is backed by a 10 year limited warranty.

Design Advantage

FSB has an array of sliding and pocket door lock trim to complement your design vision. Locks are available with backsets from 2 ½" to 6".

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

- **Stainless Steel**
- **Bronze**
- **Aluminum**

ESL and EPL Series

Quality




A high quality sliding pocket door privacy lock/pull/passage series compatible with an array of FSB sliding door trim. The locks are manufactured in Germany and designed to accommodate FSB trim for positive alignment with the lock case. The lock is backed by a 5 year limited warranty.

Design Advantage

FSB has an array of sliding and pocket door lock trim to complement your design vision.

Specifying Locksets

Sliding & Pocket Door Locks (SDL, SPL, ESL and EPL)

Lock Types	Lock Functions	Trim Set	Emergency Release
<p>SDL</p> <p>Insert your choice of lock using one of the three letter codes below.</p> <p>Standard Sliding/Pocket Door Locks</p> <p>SDL Sliding Door Lock SPL Standard Pocket Lock</p>	<p>P</p> <p>Insert your choice of function using one of the letter codes below.</p> <p>SDL</p> <p>P Key × Thumbturn Deadlock R Thumbturn Deadlock S Thumbturn Deadlock w/ Emergency Release</p> <p>SPL</p> <p>P Key × Thumbturn Deadlock R Thumbturn Deadlock S Thumbturn Deadlock w/ Emergency Release AS Prepared as Strike Y Double Dummy YP Double Dummy w/ Pull</p>	<p>SA</p> <p>Insert your choice of trim set using one of the two letter codes.</p> <p>Standard Sliding/Pocket Door Locks</p> <p>SA Flush Pull SB Spring Loaded Flush Pull</p> <p>Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.</p>	<p>I</p> <p>Insert your choice of trim using one of the two letter codes.</p> <p>Emergency Releases</p> <p>SA</p> <p> N</p> <p>SB</p> <p>  N I</p> <p>Indicator choices are only necessary with the S lock function.</p>
<p>European Sliding/Pocket Door Locks</p> <p>ESL European Sliding Lock EPL European Pocket Lock</p>	<p>ESL</p> <p>S Thumbturn Deadlock with Emergency Release</p> <p>EPL</p> <p>S Thumbturn Deadlock with Emergency Release AS Prepared as Strike Y Double Dummy YP Double Dummy with Pull</p>	<p>European Sliding/Pocket Door Locks</p> <p>SA Flush Pull SB Spring Loaded Flush Pull</p> <p>FC Flush Circular FR Flush Rectangular FS Flush Square</p> <p>Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.</p>	

Example for Specifying

SDL - P - SA - 6204 - 234 - 134

Material and Finish

6204

Insert your choice of material and finish using one of the codes below.

Stainless Steel

- **6204** Satin (630)
- **6205** Polished (629)

Anodized Aluminum*

- **0105** Natural Color (628)

Textured Anodized Aluminum*

- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum*

- **8120** Black (671)

*Available in SA Trim Only (Emergency Release is Stainless Steel colored to match finish)

Stainless Steel

- **6204*** Satin (630) - SA and SB Trim Only
- **6205*** Polished (629) - SA and SB Trim Only

Aluminum

- **1100** Natural Textured / Natural Anodized / Black PVC
- **1102** Natural Textured / Black Textured / Black PVC
- **1115** Black Textured / Natural Anodized / Black PVC
- **1117** Black Textured / Black Textured / Black PVC
- **8252** White Powder Coated / White Powder Coated / White PVC

Combination

- **1119** Black Textured / Medium Bronze / Black PVC
- **6443** Satin Stainless Steel / Satin Stainless Steel / Black PVC

Note: ESL, EPL scalp & strike only come in 6204 Stain Stainless Steel

Backset

234

Insert your choice of backset using one of the three digit codes below

Standard Sliding/Pocket Door Locks SDL, SPL

Standard

234 2 ¾" Backset

Special Order

212 2 ½" Backset
334 3 ¾" Backset
500 5" Backset
600 6" Backset

European Sliding/Pocket Door Locks ESL, EPL

Standard

231 2 ¾" (55 mm) Backset

Door Thickness

134

Insert your choice of door thickness using one of the three digit codes.

Standard

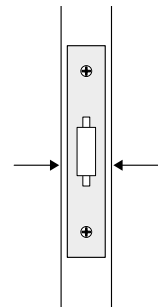
134 1 ¾"

Locking functions with SB Trim available for 1 ¾" wood doors only. Except Y & YP Dummy sets

Special Order

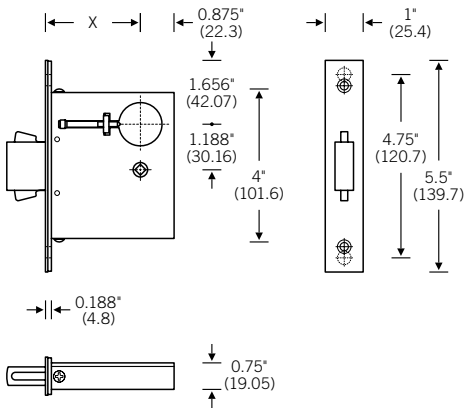
200 2"
214 2 ¼"

All sizes over 1 ¾" thick are special order. Please consult FSB.



Sliding Door Lock

Series SDL Functions



Series SDL

Sliding Door Lock

Backsets

- 2 1/2" (64 mm)
- 2 3/4" (70 mm)
- 3 3/4" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

1 3/4" or greater door thickness required.

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

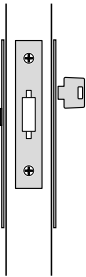
Lock body only: SDL 7001

Sliding Door Locks

Function P

Key x Thumbturn
Deadlock

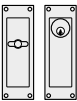
Description
Deadbolt by key outside and thumbturn inside.



SA

Trim Sets

SA



Sliding Door Lock

Series SDL Functions

Function R

Thumbturn Deadlock

Description

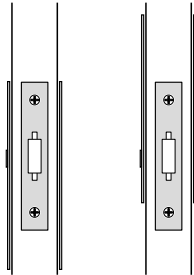
Deadbolt by thumbturn inside.
No operation outside.

* **SB** Trim available for
1 3/4" wood doors only.

Trim Sets

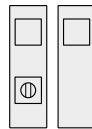
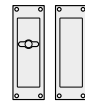
SA

SB*



SA

SB



Function S

Thumbturn Deadlock with Emergency Release

Description

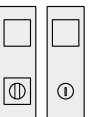
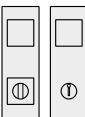
Deadbolt by thumbturn inside and
emergency release outside.

* **SB** Trim available for
1 3/4" wood doors only.

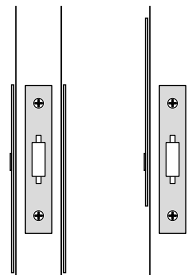
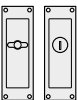
Trim Sets

SB-I

SB-N



SA-N



SA

SB

Options

SA



N

SB



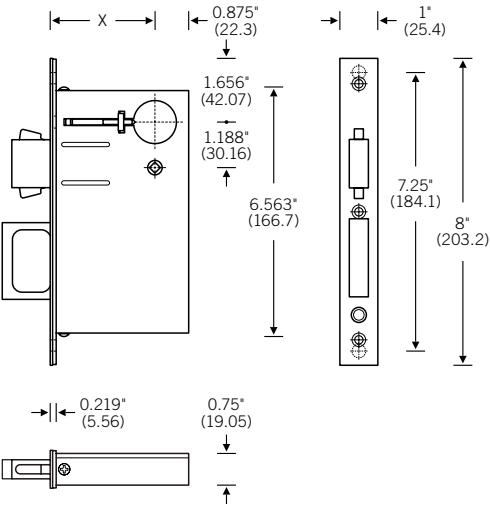
N



I

Standard Pocket Lock

Series SPL Functions



Series SPL

Standard Pocket Lock/Edge Pull

Backsets

- 2 1/2" (64 mm)
- 2 3/4" (70 mm)
- 3 3/4" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

1 3/4" or greater door thickness required.

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

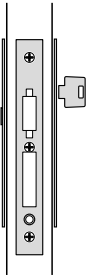
Lock body only: SPL 7002

Sliding Door Locks

Function P

Key x Thumbturn
Deadlock

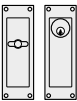
Description
Deadbolt by key outside and thumbturn inside.



SA

Trim Sets

SA



Standard Pocket Lock

Series SPL Functions

Function R

Thumbturn Deadlock

Description

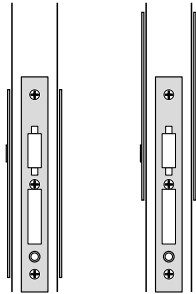
Deadbolt by thumbturn inside.
No operation outside.

* **SB** Trim available for 1 3/4" wood doors only.

Trim Sets

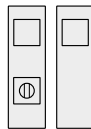
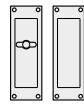
SA

SB*



SA

SB



Function S

Thumbturn Deadlock with Emergency Release

Description

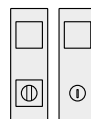
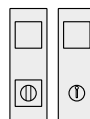
Deadbolt by thumbturn inside and emergency release outside.

* **SB** Trim available for 1 3/4" wood doors only.

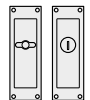
Trim Sets

SB-I

SB-N



SA-N



Options

SA



N

SB



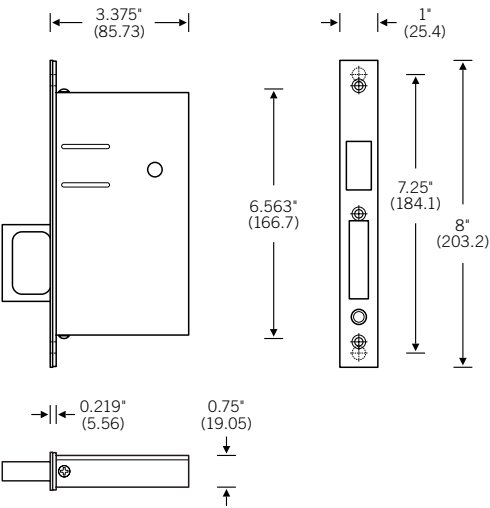
N



I

Standard Pocket Lock

Series SPL Functions



SPL AS

Standard Pocket Lock Strike

Backsets

- 2 1/2" (64 mm)
- 2 3/4" (70 mm)

1 3/4" or greater door thickness required.

With spring loaded cover for deadbolt.

As standard, the finger pull, the button and deadbolt is always supplied in satin stainless finish.

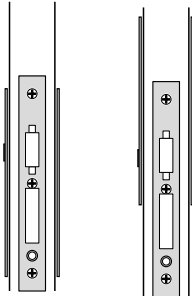
Sliding Door Locks

Function AS

Dummy prepared as Strike/Pull

Description

Dummy handle either side.
Lock case front includes strike and pull.

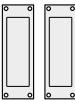


SA

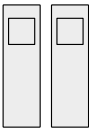
SB

Trim Sets

SA



SB



Standard Pocket Lock

Series SPL Functions

Function Y

Double Dummy

Description

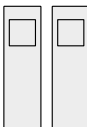
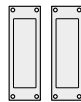
Dummy handle either side.



Trim Sets

SA

SB

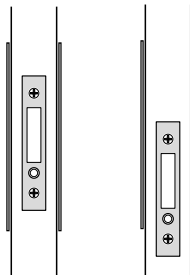


Function YP

Dummy with Pull

Description

Dummy handle either side.
Lock case with pull.



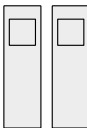
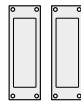
SA

SB

Trim Sets

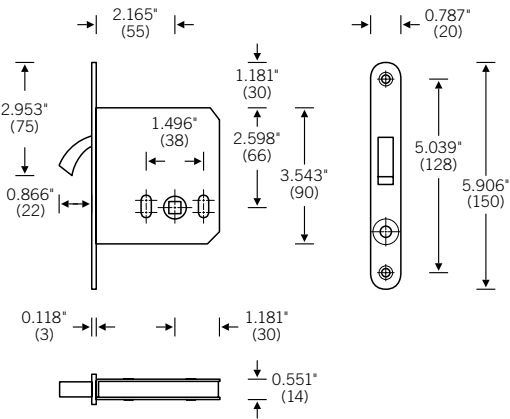
SA

SB



European Sliding Lock

Series ESL Function



Series ESL

European Sliding Lock

As standard, the deadbolt is always supplied in satin stainless finish.

Lock body only: ESL 7001

Backset
2 3/16" (55 mm)

1 3/4" door thickness required.

Sliding Door Locks

Function S

Thumbturn Deadlock with
Emergency Release

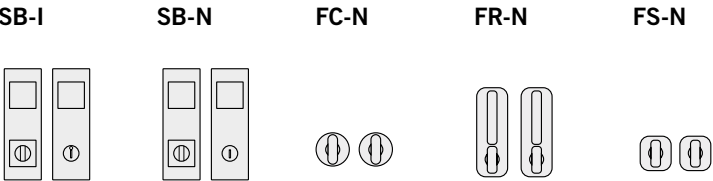
Description
Deadbolt by thumbturn inside and
emergency release outside.

Options

SB

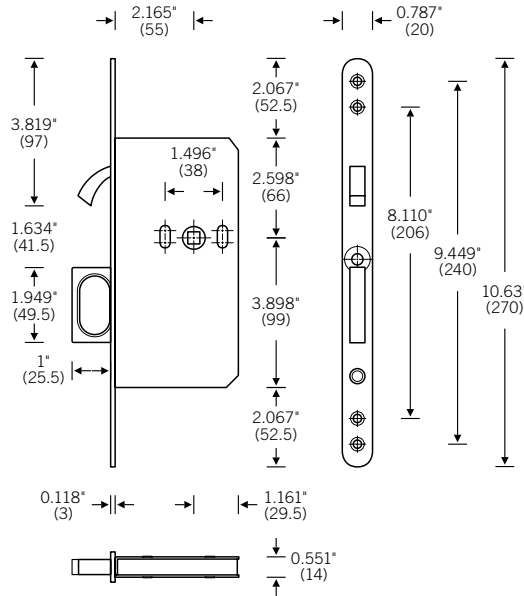


Trim Sets



European Pocket Lock

Series EPL Function



Series EPL

European Pocket Lock/Edge Pull

As standard, the finger pull, button and deadbolt is always supplied in satin stainless finish.

Lock body only: EPL 7002

Backset

2 3/16" (55 mm)

1 3/4" door thickness required.

Function S

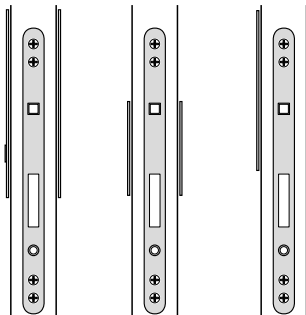
Thumbturn Deadlock with Emergency Release

Description

Deadbolt by thumbturn inside and emergency release outside.

Options

SB



SB

FC/FS

FR

Trim Sets

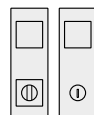
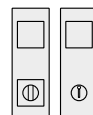
SB-I

SB-N

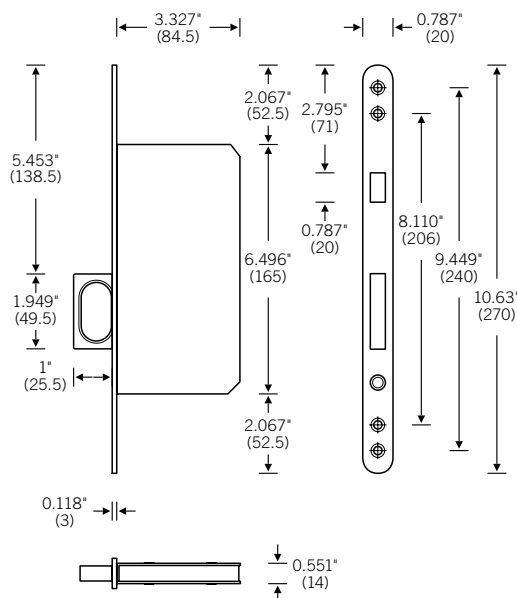
FC-N

FR-N

FS-N



Sliding Door Locks



Strike Box for ESL and EPL

As standard, the finger pull and button is always supplied in satin stainless finish.

Dummy prepared as Strike/Pull

Dummy handle either side.
Lock case front includes strike
and pull.



SA

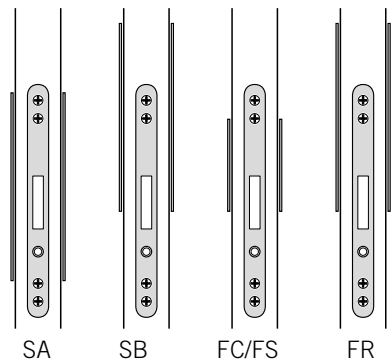


European Sliding Lock

Series EPL Functions

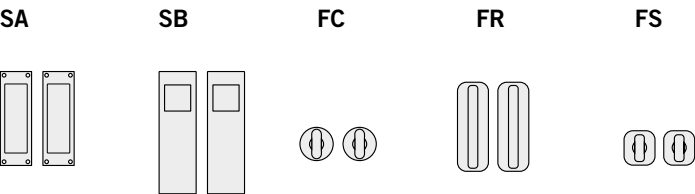
Function YP

Dummy with Pull



Description
 Dummy handle either side.
 Lock case with pull.

Trim Sets



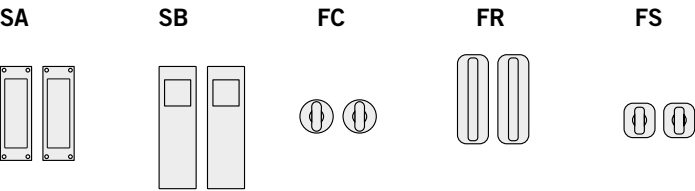
Function Y

Double Dummy



Description
 Dummy handle either side.

Trim Sets

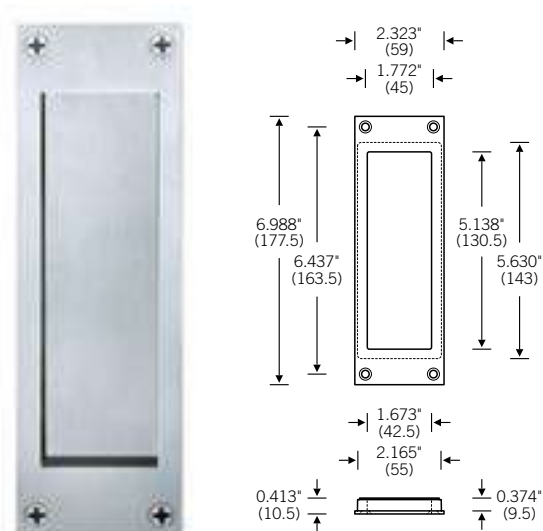


Trim Set SA Flush Pull

Sliding Door Locks (SDL, SPL, ESL and EPL)

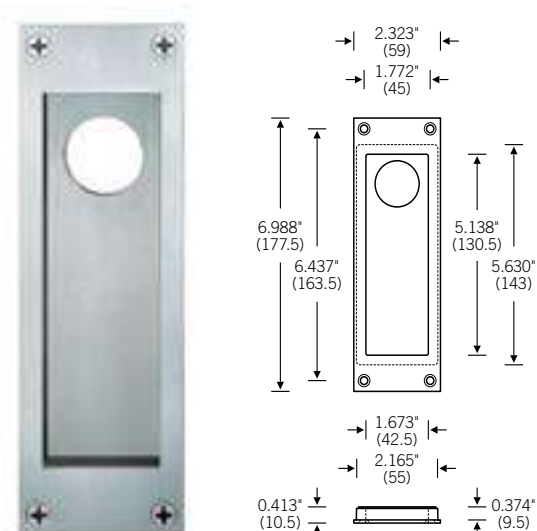
SA

42 4210 09000 ■
7" (177.5 mm)



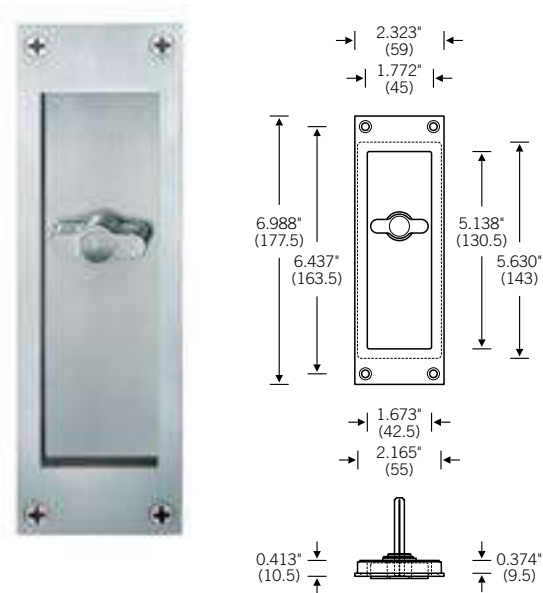
Cylinder Hole

42 4210 09001 ■
Cylinder must be ordered separately



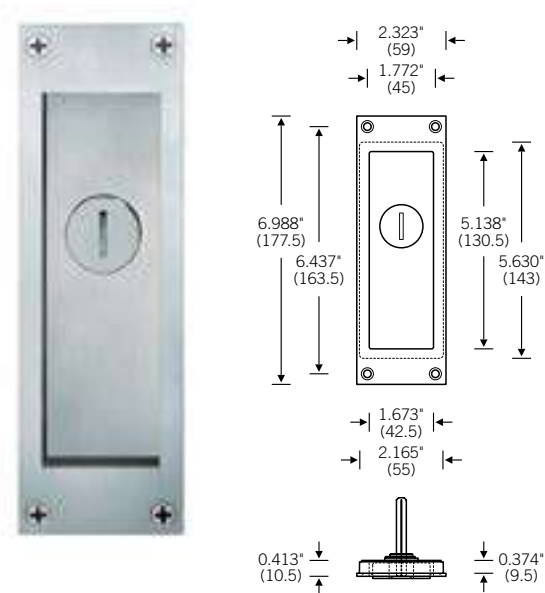
Thumbturn

42 4210 09002 ■
with 5 mm Diamond Spindle



Privacy Set

with Indicator outside and Thumbturn inside
1 3/4" or greater door thickness required.



Set with 8 mm Square Spindle and Indicator 42 4210 09004
Set with 5 mm Diamond Spindle, no Indicator 42 4210 09005



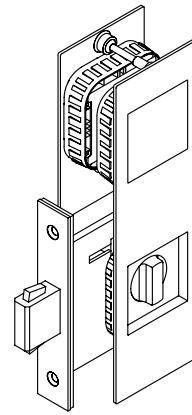
N I

Trim Set SB Privacy Set for Sliding Door Locks (SDL and SPL)

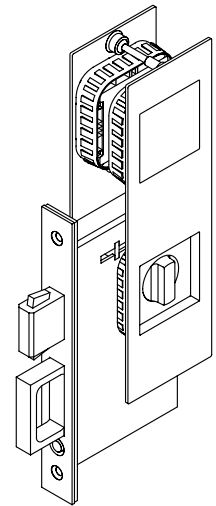
Privacy Set

42 4255 ■

as Set with 5 mm Square Spindle



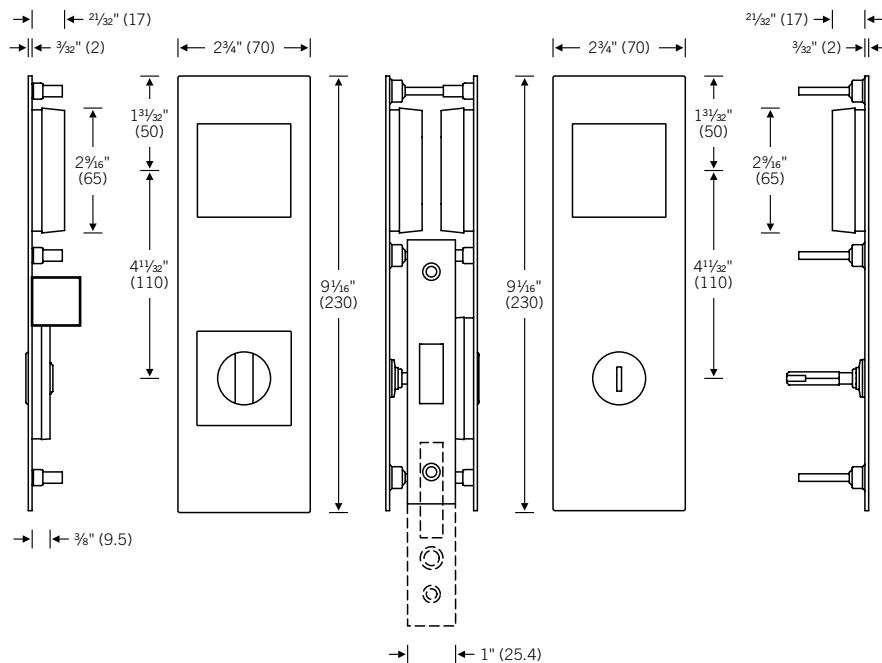
Set with SDL 7001



Set with SPL 7002



N I

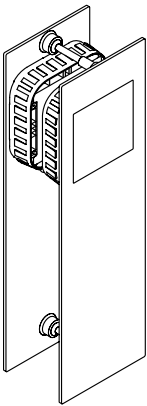
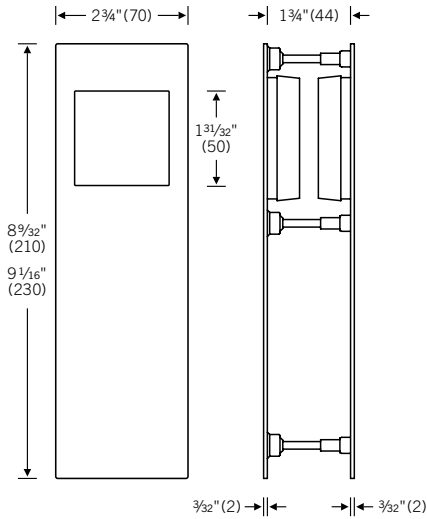


**SB Trim for $1\frac{3}{4}"$ wood doors only.
SB Trim cannot be purchased independently
from Lock. Trim number for reference only.**

Trim Set SB Dummy Set for Sliding Door Locks (SDL, SPL, ESL and EPL)

SB

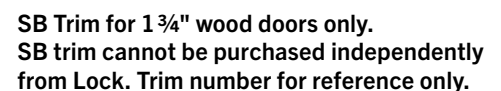
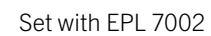
- 42 4255 09006 ■ Set for EPL, ESL (210 mm)
- 42 4255 09016 ■ Set for SDL, SPL (230 mm)



SB Trim for $1\frac{3}{4}"$ wood doors only. SDL & SPL series

Sliding Door Locks

as Set with 8 mm Square Spindle



Sliding

ESL and EPL Series

Sliding doors are currently undergoing a veritable renaissance. In select residential ventures, they engender a sense of luxurious minimalism and spacious living. And, as housing in major conurbations becomes increasingly difficult to come by, residential floor space is in any case tending to be downsized. The spatial efficiency afforded by sliding doors can benefit smaller civic/commercial ventures, too.

FSB has come up with a new range of sliding door handles of most compelling design and function. They are suitable for both single and double sliding doors. The new models are of a basic shape that is either angular or circular and are obtainable as lockable and non-lockable variants.

Diversity of shape and color

Our new sliding door handles comprise a shell recessed into the face of the door, a movable or fixed gripping device and a recessed faceplate at the front of the handle. The three components can be assembled in a variety of material and color combinations, allowing fittings to be coordinated with any interior scheme and to suit any taste. Sliding door handles can set stylish accents or else, in a spirit of minimalist restraint, be absorbed into the door.

Innovative operating technique

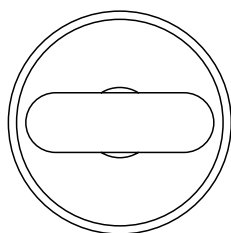
Fittings feature a self-explanatory mode of operation that's unique to the market whereby the gripping device doubles up as a means of locking/unlocking whilst also allowing the door to be slid along more ergonomically. Locking or unlocking the door is performed by rotating the movable grip. In the vertical position, it tilts 17.5° to one side when the door is opened, thus increasing the gripping space available.

Fitted in next to no time

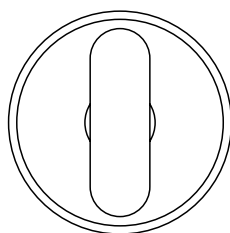
These sliding door handles are very straight-forward to fit. The applicable routing jig can be ordered separately from FSB. The handle shells are then fastening by simply clipping them into the recess routed out – without the need for any drilling or gluing.

New door pulls in Aluminum

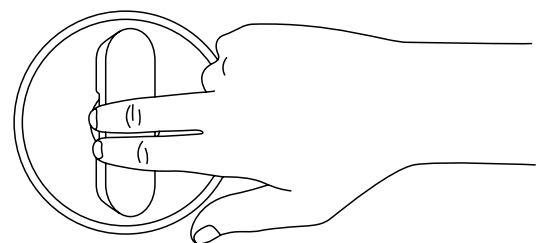
Matching the formal vocabulary of the gripping devices on our new sliding door handles are three new door pulls that extend their perfect presence to glass and external doors. Here, too, less is more and purism a symbol of modern-day luxury. There is a choice of linear, symmetrical and asymmetrical models, all in Aluminum. The front of the handles is of flat design, whilst an area of curvature on the back makes for convenient gripping. The circular brackets are neatly mitred onto their handles, a detail that speaks volumes about the hardware's class and precision engineering.



Locked








Unlocked

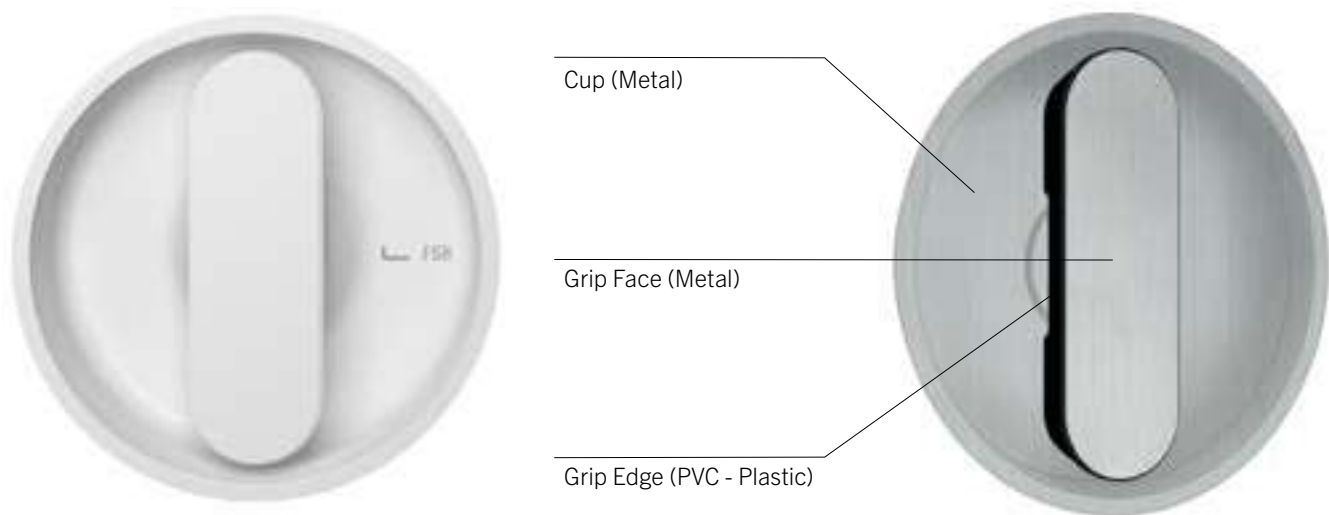


Slide / Open

Sliding

ESL and EPL Series

	Cup (Metal)	Grip Face (Metal)	Grip Edge (PVC)	FSB Finish Code
	Textured Natural-Color Anodized Aluminium	Natural-Color Anodized Aluminium (0105)	Matte Black, RAL 9005	1100
	Textured Natural-Color Anodized Aluminium	Textured Black Anodized Aluminium (0810)	Matte Black, RAL 9005	1102
	Textured Black Anodized Aluminium (0810)	Natural-Color Anodized Aluminium (0105)	Matte Black, RAL 9005	1115
	Textured Black Anodized Aluminium (0810)	Textured Black Anodized Aluminium (0810)	Matte Black, RAL 9005	1117
	Textured Black Anodized Aluminium (0810)	Dark Oxidized Waxed Bronze (7625)	Matte Black, RAL 9005	1119
	Matte White, Powder-Coated Aluminium, RAL 9016	Matte White, Powder-Coated Aluminium, RAL 9016	Matte White, RAL 9016	8252
	Brushed Satin Stainless Steel (6204)	Brushed Satin Stainless Steel (6204)	Matte Black, RAL 9005	6443



Sliding
ESL and EPL Series

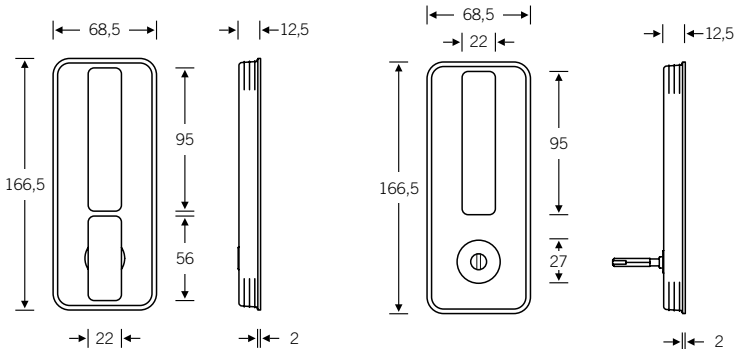
FR
42 4262



00008 (lockable)
Not turnable grip section (top), tilts in both directions, turnable thumbturn (bottom), for single and double sliding doors*, for bolt lock

00001 (emergency release)
Not turnable grip section (top), tilts in both directions, turnable release (bottom), for single and double sliding doors*, emergency release for WC

Area routed out: 163 × 65 mm

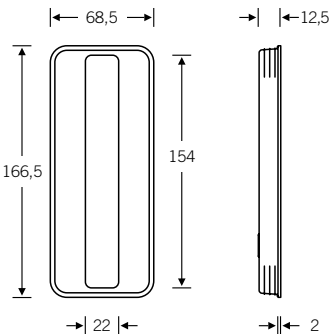


FR
42 4260



00000 (non-lockable)
Fixed grip section, tilts in both directions, for single and double sliding doors


Area routed out: 163 × 65 mm



Sliding

ESL and EPL Series

FS

42 4263 



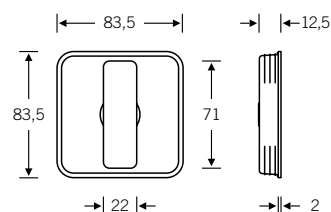
00000 (non-lockable)

Fixed grip section, tilts in both directions, for single and double sliding doors


01008 (lockable)

Turnable grip section, tilts in both directions, for single and double sliding doors (the latter in combination with 4263 00000), for bolt lock

Area routed out: 80 × 80 mm



FC

42 4264 



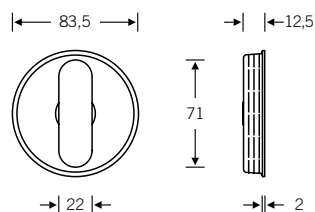
00000 (non-lockable)

Fixed grip section, tilts in both directions, for single and double sliding doors

01008 (lockable)

Turnable grip section, tilts in both directions, for single and double sliding doors (the latter in combination with 4264 00000), for bolt lock

Area routed out: 80 mm Ø







SDL Series

Sliding Door Lock



Functions Function Description		SA Trim	
		6204	6205
P	Deadbolt - Key x Thumbturn	1026	1174
R	Deadbolt - Thumbturn	942	1060
S	Deadbolt - Turn Release without Indicator	1006	1160



		SB Trim	
		6204	6205
R	Deadbolt - Thumbturn	1009	1165
S	Deadbolt - Turn Release	1009	1165

Options are found on page 368.

SPL Series

Sliding Door Lock



Functions Function Description		SA Trim	
		6204	6205
P	Deadbolt - Key x Thumbturn	1072	1220
R	Deadbolt - Thumbturn	988	1106
S	Deadbolt - Turn Release without Indicator	1051	1206
AS	Prepared as Strike	867	931
Y	Double Dummy	335	399
YP	Double Dummy w/Pull	796	859



		SB Trim	
		6204	6205
R	Deadbolt - Thumbturn	1055	1211
S	Deadbolt - Turn Release with or without Indicator	1055	1211
AS	Prepared as Strike	774	841
Y	Double Dummy	216	276
YP	Double Dummy w/Pull	703	770

Note: Y Function comes with SB trim only and no lock body as it is a dummy.

Options are found on page 368.

Lock Type

Function

Trim Set

Indicator

Finish

Backset

Door Thkn

SDL-P-SA-I-6204-234-134

Example for Specifying

ESL Series

European Sliding Door Lock



Functions	Function Description	SA Trim	
		6204	6205
S	Deadbolt - Turn Release with Indicator	N/A	N/A



Functions	Function Description	SB Trim	
		6204	6205
S	Deadbolt - Turn Release with or without Indicator	800	1005

Options are found on page 368.

ESL Series

European Sliding Door Lock



Functions	Function Description	FC Trim
		All Finishes
S	Deadbolt - Turn Release without Indicator	523



Functions	Function Description	FR Trim
		All Finishes
S	Deadbolt - Turn Release without Indicator	583



Functions	Function Description	FS Trim
		All Finishes
S	Deadbolt - Turn Release without Indicator	523

Lock Type

Function

Trim Set

Indicator

Finish

Backset

Door Thkn

SDL-P-SA-I-6204-234-134

Example for Specifying

EPL Series

European Sliding Pocket Door Lock



Functions Function Description		SA Trim	
		6204	6205
S	Deadbolt - Turn Release without Indicator	696	814
AS	Prepared as Strike	414	478
Y	Double Dummy	299	356
YP	Double Dummy w/Pull	427	490
		0105	All Other Aluminum
S	Deadbolt - Turn Release without Indicator	600	675
AS	Prepared as Strike	378	539
Y	Double Dummy	299	411
YP	Double Dummy w/Pull	391	552



		SB Trim	
		6204	6205
S	Deadbolt - Turn Release with or without Indicator	880	1005
AS	Prepared as Strike	594	785
Y	Double Dummy	459	597
YP	Double Dummy w/Pull	606	760

Note: Y Function comes with SB trim only and no lock body as it is a dummy.

Options are found on page 368.

EPL Series

European Sliding Pocket Door Lock



Functions Function Description		FC Trim
		All Finishes
S	Deadbolt - Turn x Release	603
AS	Prepared as Strike	450
Y	Double Dummy	331
YP	Double Dummy w/Pull	462



		FR Trim
		All Finishes
S	Deadbolt - Turn x Release	664
AS	Prepared as Strike	489
Y	Double Dummy	410
YP	Double Dummy w/Pull	501



		FS Trim
		All Finishes
S	Deadbolt - Turn x Release	603
AS	Prepared as Strike	450
Y	Double Dummy	331
YP	Double Dummy w/Pull	462

Lock Type

Function

Trim Set

Indicator

Finish

Backset

Door Thkn

SDL-P-SA-I-6204-234-134

Example for Specifying

Sliding and Pocket Door Locks

Suggested Specifications

Sliding Door Lock SDL 7001

All heavy duty sliding door locks shall be series SDL as manufactured by FSB North America, Berlin, CT. Locksets shall be available with backsets ranging from 2½" to 6" and be non-handed. Trim designs shall be FSB and shall be matched to each specific lock type and function to ensure proper compatibility. All heavy duty sliding door locks shall carry a 10 year limited warranty.

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. Finished to match.

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)
2.75" (70 mm)
3.75" (95 mm)
5.00" (127 mm)
6.00" (152 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.
Wrought stainless steel, bronze or brass substrate finished to match. Strike available for pairs of doors.

Pocket Lock/Pull SPL 7002 Pocket Strike/Pull SPL 7003

Steel Case

SPL 7002
Size varies according to backset. Heavy gauge 0.093" (2.36 mm) thick, corrosion resistant zinc dichromate finish.
SPL 7003
Size matches 2.50" (64 mm) lock case

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. Finished to match.

Pull

0.50" × 2" (12.7 × 50.8 mm)
× 1.25" (32 mm) throw.
Machined solid brass. Standard finishes, satin chrome or satin brass.

For SPL 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), 2.75" (70 mm),
3.75" (95 mm), 5.00" (127 mm),
6.00" (152 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 SPL 7003 only:

Strike

Double doors: integrated dust proof strike.
Wrought stainless steel, bronze or brass substrate. Finished to match.

ESL and EPL Series

All mortise locksets shall be provided from one manufacturer and be capable of accepting a European profile cylinder using the same trim designs from FSB North America.

All Sliding door locks shall carry a 5 year limited warranty.

Sliding Door Lock ESL 7001

Steel Case

3.54" × 3.35" × 0.55"
(90 × 85 × 14 mm)

Faceplate

0.157" × 0.79" × 5.91"
(3 × 20 × 150 mm)
Stainless steel, non-corroding, precision ground. Satin stainless finish only.
Flat plate with rounded ends permanently attached to the lock.

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.

Sliding and Pocket Door Locks

Suggested Specifications and Options

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

Steel Case
6.50" × 3.33" × 0.55" (165 × 84.5 × 14 mm)

Faceplate
0.157" × 0.79" × 10.63" (3 × 20 × 270 mm)
Stainless steel, non-corroding, precision ground. Satin stainless finish only.
Flat plate with rounded ends permanently attached to the lock.

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

For EPL 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.

Strike Double Doors:
Refer to EPL 7003

For EPL 7003 only: Strike Double Doors
Integrated strike on faceplate. Stainless steel, non-corroding. Satin stainless finish.
Flat strike plate with rounded ends.

Special Notes

- All Sliding Door Locks require a minimum 1 3/4" door thickness.
- RF Trim is only available with the crescent thumbturn.



RF

Options

SDL and SPL	Options	Descriptions		Price
Special Door Thickness	SA - "P" Function	2" to 2 1/4" Thick Doors	Add	57
		2 1/2" to 3" Thick Doors	Add	145
	SA - "R & S" Functions	2" to 3" Thick Doors	Add	15
Backsets	2 1/2" Backset		Add	46
	3 3/4" Backset		Add	1088
	5" Backset		Add	1489
	6" Backset		Add	1860

Note: SB trim is only available for a 1 3/4" thick door with SDL and SPL locks

ESL and EPL	Options	Descriptions		Price
Special Door Thickness	SA and SB	2" to 3" Thick Doors	Add	15
	All functions			



Overview

■ Stainless Steel
■ Bronze
■ Aluminum

42 4211 ■ ■
Page 378



42 4212 ■ ■
Page 378



42 4250 ■ ■ ■
Page 371



42 4251 ■ ■ ■
Page 372



42 4252 ■ ■
Page 373



42 4253 ■ ■
Page 374



42 4254 ■ ■
Page 373



42 4255 ■
Page 374



AGD ■
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42 4260 ■ ■
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42 4263 ■ ■
Page 377



42 4264 ■ ■
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SPP 7000
Page 379



EPP 7000
Page 380






Flush Pulls

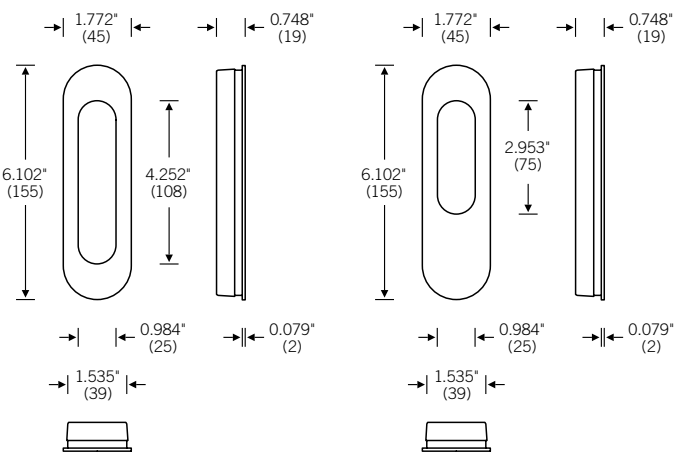
for Passage Doors

42 4250 


Flush Pulls

- 42 4250 00000  (open)
- 42 4250 00001  (spring loaded cover)
- 42 4250 00002  (half open)




Recess 150 × R 20 × 17.5 mm
 1 ¾" or greater door thickness required.



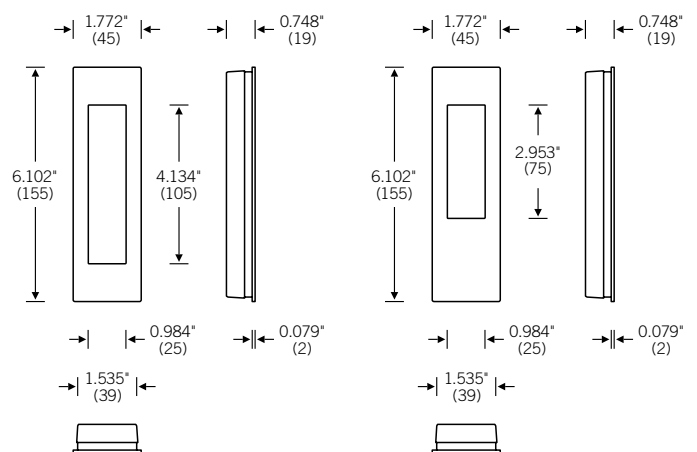
Flush Pulls for Passage Doors

42 4251 


Flush Pulls

- 42 4251 00000  (open)
- 42 4251 00001  (spring loaded cover)
- 42 4251 00002  (half open)

Recess 150 × R 20 × 17.5 mm
1 3/4" or greater door thickness required.



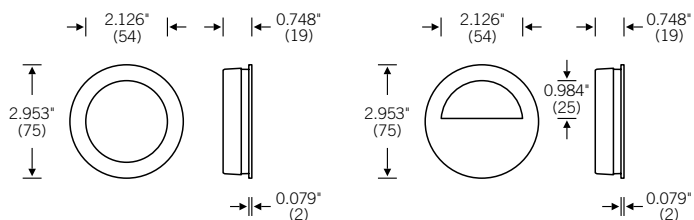
Flush Pulls for Passage Doors


42 4252 

Flush Pulls

42 4252 00000 (open)
42 4252 00001 (spring loaded cover)
42 4252 00002 (half open)

Recess 70 × 17.5 mm
1 ¾" or greater door thickness required.

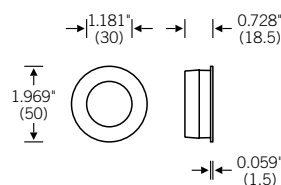


42 4254 



Flush Pulls

42 4254 00000 (open)
42 4254 00001 (spring loaded cover)

Recess 45 × 17.5 mm
1 ¾" or greater door thickness required.



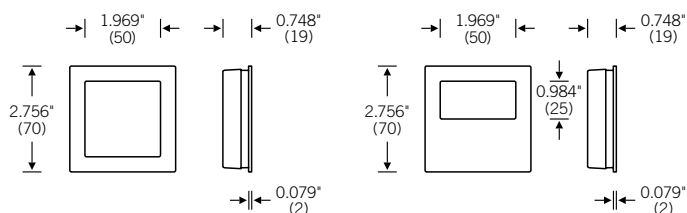
Flush Pulls for Passage Doors


42 4253  

Flush Pulls

42 4253 00000 (open)
42 4253 00001 (spring loaded cover)
42 4253 00002 (half open)



Recess 65 × 65 × 17.5 mm
Corner radius R 15
1 3/4" or greater door thickness required.



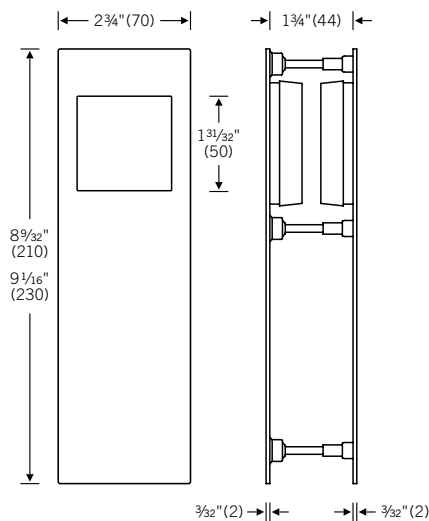
42 4255 

8 9/32" (210 mm)
9 1/16" (230 mm)

Flush Pulls

42 4255 09006  Set for EPL, ESL (210 mm)
42 4255 09016  Set for SDL, SPL (230 mm)
(spring loaded cover)

1 3/4" or greater door thickness required.



Flush Pulls for Passage Doors

Sliding doors are currently undergoing a veritable renaissance. In select residential ventures, they engender a sense of luxurious minimalism and spacious living. And, as housing in major conurbations becomes increasingly difficult to come by, residential floor space is in any case tending to be downsized. The spatial efficiency afforded by sliding doors can benefit smaller civic/commercial projects, too.

FSB has come up with a new range of sliding door handles of most compelling design and function. They are suitable for both single and double sliding doors. The new models are of a basic shape that is either angular or circular and are obtainable as lockable and non-lockable variants.

Diversity of shape and color

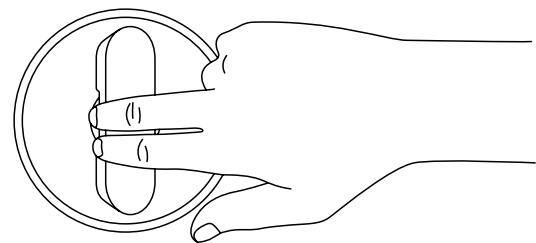
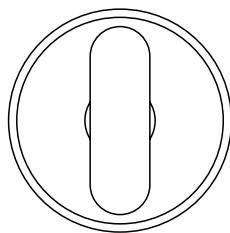
Our new sliding door handles comprise a shell recessed into the face of the door, a movable or fixed gripping device and a recessed faceplate at the front of the handle. The three components can be assembled in a variety of material and color combinations, allowing fittings to be coordinated with any interior scheme and to suit any taste. Sliding door handles can set stylish accents or else, in a spirit of minimalist restraint, be absorbed into the door.

Fitted in next to no time

These sliding door handles are very straight-forward to fit. The applicable routing jig can be ordered separately from FSB. The handle shells are then fastening by simply clipping them into the recess routed out – without the need for any drilling or gluing.






New door pulls in Aluminum

Matching the formal vocabulary of the gripping devices on our new sliding door handles are three new door pulls that extend their perfect presence to glass and external doors. Here, too, less is more and purism a symbol of modern-day luxury. There is a choice of linear, symmetrical and asymmetrical models, all in Aluminium. The front of the handles is of flat design, whilst an area of curvature on the back makes for convenient gripping. The circular brackets are neatly mitred onto their handles, a detail that speaks volumes about the hardware's class and precision engineering.



Slide / Open

Flush Pulls for Passage Doors

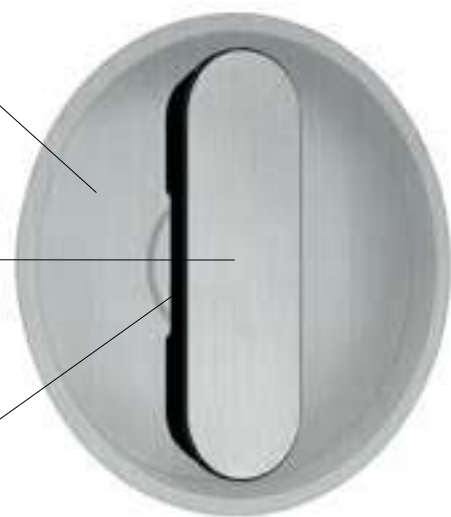
	Cup (Metal)	Grip Face (Metal)	Grip Edge (PVC)	FSB Finish Code
	Textured Natural-Color Anodized Aluminium	Natural-Color Anodized Aluminium (0105)	Matte Black, RAL 9005	1100
	Textured Natural-Color Anodized Aluminium	Textured Black Anodized Aluminium (0810)	Matte Black, RAL 9005	1102
	Textured Black Anodized Aluminium (0810)	Natural-Color Anodized Aluminium (0105)	Matte Black, RAL 9005	1115
	Textured Black Anodized Aluminium (0810)	Textured Black Anodized Aluminium (0810)	Matte Black, RAL 9005	1117
	Textured Black Anodized Aluminium (0810)	Dark Oxidized Waxed Bronze (7625)	Matte Black, RAL 9005	1119
	Matte White, Powder-Coated Aluminium, RAL 9016	Matte White, Powder-Coated Aluminium, RAL 9016	Matte White, RAL 9016	8252
	Brushed Satin Stainless Steel (6204)	Brushed Satin Stainless Steel (6204)	Matte Black, RAL 9005	6443



Cup (Metal)

Grip Face (Metal)

Grip Edge (PVC - Plastic)



Flush Pulls for Passage Doors

FR

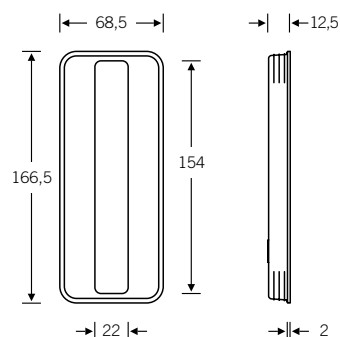
42 4260



00000 (non-lockable)

Fixed grip section, tilts in both directions,
for single and double sliding doors

Area routed out: 163 × 65 mm



FS

42 4263



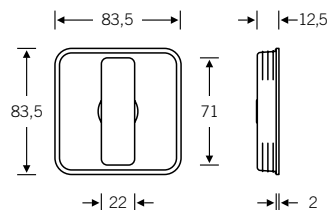
00000 (non-lockable)

Fixed grip section, tilts in both directions,
for single and double sliding doors

01008 (lockable)

Turnable grip section, tilts in both directions,
for single and double sliding doors
(the latter in combination with 4263
00000), for bolt lock

Area routed out: 80 × 80 mm



Flush Pulls for Passage Doors

FC

42 4264



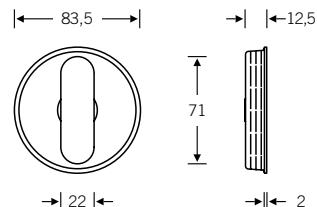
00000 (non-lockable)

Fixed grip section, tilts in both directions, for single and double sliding doors

01008 (lockable)

Turnable grip section, tilts in both directions, for single and double sliding doors (the latter in combination with 4264 00000), for bolt lock

Area routed out: 80 mm Ø

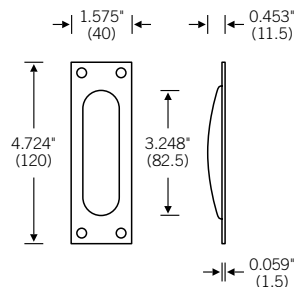


42 4211



Flush Pull

Recess $3\frac{7}{16} \times 1\frac{1}{32} \times 1\frac{13}{32}$ " (87 × 28 × 10 mm)
Boreholes for 3.0 mm countersunk screws

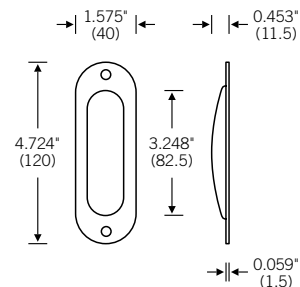


42 4212



Flush Pull

Recess $3\frac{7}{16} \times 1\frac{3}{32} \times 1\frac{13}{32}$ " (87 × 28 × 10 mm)
Boreholes for 3.0 mm countersunk screws



Edge Pull for Pocket Doors



SPP 7000

Spring Loaded Edge Pull for Pocket Door

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.

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

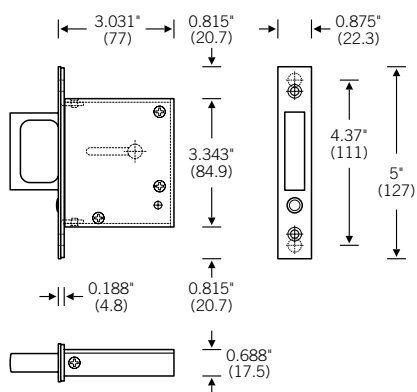
0.188" × 0.875" × 5.50"
(4.8 × 22.3 × 140 mm).

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 for Pocket Doors



EPP 7000

Spring Loaded Edge Pull for Pocket Door

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.

Steel Case

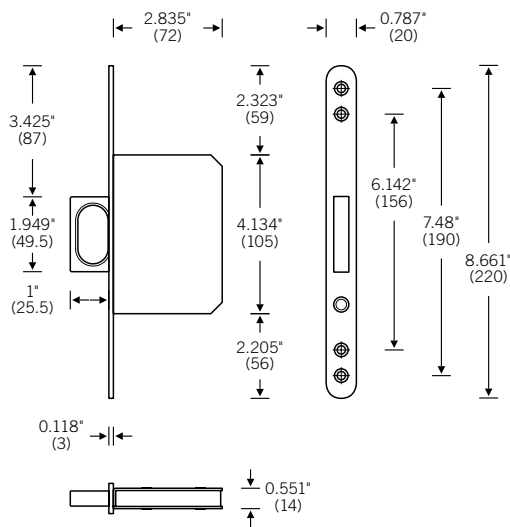
4.13" × 2.95" × 0.55"
(105 × 75 × 14 mm)
Case not enclosed.
0.057" (1.45 mm) thick, steel.

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.



Andersen® Gliding Door

Trim Sets

AGD 1035 00000 ■

Trim for Andersen® Gliding Door
Set Includes Interior Trim w/ Pull & Turn,
and Exterior Dummy Trim w/ Pull

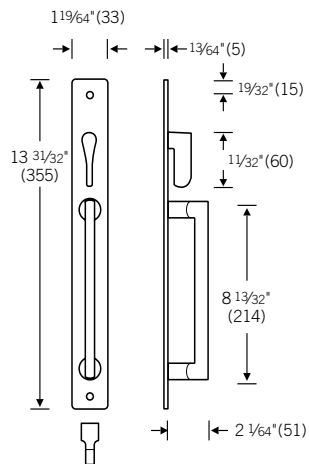


AGD 1076 00000 ■

Trim for Andersen® Gliding Door
Set Includes Interior Trim w/ Pull & Turn,
and Exterior Dummy Trim w/ Pull



Andersen® Gliding Door Trim Sets



Drawing shown with 1035 Style Pull



AGD xxxx 00001 ■

Trim for Andersen® Gliding Door
Set Includes Interior Dummy Trim w/ Pull,
and Exterior Dummy Trim w/ Pull.

Replace "xxxx" with your choice of Pull Style:
1035, 1076

Design continuity when paired with levers 1035, 1076



Sliding Door Hardware

Number			Description	Stainless Steel		Aluminum		Unit
				6204	6205	0105	All Other Alum.	
Flush Pulls	42	4211 00000	FP w/o keyhole	64	79	41	54	Each
	42	4211 00002	FP with PZ Cut-Out	76	94	45	59	Each
	42	4212 00000	FP w/o keyhole	64	79	41	54	Each
	42	4212 00002	FP with PZ Cut-Out	76	94	45	59	Each
	42	4250 00000	Oval Flush Pull	112	137	112	149	Each
	42	4250 00001	Oval FP w/cover	190	232	190	251	Each
	42	4250 00002	Oval FP, 1/2 open	190	232	190	251	Each
	42	4251 00000	Angular Flush Pull	112	137	112	149	Each
	42	4251 00001	Angular FP w/cover	190	232	190	251	Each
	42	4251 00002	Angular FP 1/2 open	190	232	190	251	Each
	42	4252 00000	Circular FP	101	124	101	134	Each
	42	4252 00001	Circular FP w/cover	155	190	155	206	Each
	42	4252 00002	Circular FP 1/2 open	155	190	155	206	Each
	42	4253 00000	Square FP	101	124	101	134	Each
	42	4253 00001	Square FP w/cover	155	190	168	206	Each
	42	4260 00000	FR Passage Pull	226	-	226	226	Each
	42	4263 00000	FS Passage Pull	205	-	205	205	Each
	42	4264 00000	FC Passage Pull	205	-	205	205	Each
	42	4253 00002	Square FP 1/2 open	155	190	155	206	Each
	42	4254 00000	Small FP	94	115	94	124	Each
Flush Pull for	42	4210 09000	Passage	150	184	150	199	Each
	42	4210 09001	With Cylinder Hole	166	204	166	220	Each
Locking Doors	42	4210 09002	With Thumbturn	261	320	261	346	Each
	42	4210 09003	Ind/Rel (5 mm Spindle)	684	836	684	906	Set
	42	4210 09004	Ind/Rel (8 mm Spindle)	684	836	684	906	Set
Edge Pull		SPP 7000	Push Button SPP	480	586	-	-	Each
		EPP 7000	Push Button EPP	143	175	-	-	Each

FP = Flush Pull, w/ = With, EP = Edge Pull, w/o = Without, DT = Door Thickness

Number			Description	Bronze		Unit
				7615	7625	
Flush Pulls	42	4250 00000	Oval FP	248	303	Each
	42	4251 00000	Angular FP	248	303	Each

Number			Description	Stainless Steel	Unit
				6204	
Andersen® Gliding Door Sets	AGD 1035 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1035		1380	Set
	AGD 1035 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1035		1321	Set
	AGD 1076 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1076		1244	Set
	AGD 1076 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1076		1185	Set
	AGD 1251 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1251		1540	Set
	AGD 1251 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1251		1481	Set





Multi-Point Trim

NMP and EMP Series

Quality

FSB offers a full range of multi-point trim to fit both North American and European multi-point locksets. For your convenience, we offer trim sets which include the escutcheon, spindle, and screws for 1 3/4" thick doors and your choice of lever. FSB also offers multi-point escutcheons separately to meet your custom needs.

Design Advantage

FSB has a wide selection of designer levers options for our multi-point trim kits. We also offer an even greater selection of individual lever and multi-point escutcheons to meet your customer design requirements.

FSB Material Identifier

Next to each product number you will find a key of colored boxes detailing which base material that product is available in. For example, if a product is available in Stainless Steel, you will find a blue colored box to the right of the product # (■). After determining the base metal you can then choose which specific finish fits your design needs.

- Stainless Steel has 2 standard finishes
- Bronze has 2 standard finishes
- Aluminum has 8 standard finishes

- **Stainless Steel**
- **Bronze**
- **Aluminum**

Specifying Multi-Point Trim

North American Multi-Point (NMP)

European Multi-Point (EMP)

Lock Type	Trim Function	Lever Design	Trim Set
NMP	<div>C</div> <div>Insert your choice of function using one of the letter codes below</div> <div><div>C</div> Passage<div>H</div> Entrance<div>T</div> Patio</div>	<div>1003</div> <div>Insert your choice of lever design using one of the four digit codes.</div> <div>Premium/Elements</div> <div><div>1003</div> <div>1108</div><div>1004</div> <div>1119</div><div>1005</div> <div>1134</div><div>1015</div> <div>1144</div><div>1016</div> <div>1146</div><div>1021</div> <div>1147</div><div>1023</div> <div>1163</div><div>1025</div> <div>1183</div><div>1031</div> <div>1242</div><div>1035</div> <div>1243</div><div>1045</div> <div>1244</div><div>1053</div> <div>1245</div><div>1058</div> <div>1246</div><div>1070</div> <div>1254</div><div>1074</div> <div>1267</div><div>1075</div> <div>1289*</div><div>1076</div> <div>1291</div><div>1102</div> <div>1292</div><div>1106</div> <div>1293</div><div>1107</div></div>	<div>ED</div> <div>Insert your choice of escutcheon using one of the two letter codes.</div> <div>ED Long Rectangular</div> <div>Only the ED Escutcheon is available with the NMP trim set. Supplied with standard thumbturn.</div>
Lock Type	Trim Function		Trim Set
EMP	<div>C</div> <div>Insert your choice of function using one of the letter codes below</div> <div><div>C</div> Passage<div>H</div> Entrance<div>T</div> Patio</div>	<div>* Elements Only</div>	<div>ED</div> <div>Insert your choice of escutcheon using one of the two letter codes.</div> <div>ED Long Rectangular</div> <div>Only the ED Escutcheon is available with the EMP trim set. Supplied with standard thumbturn.</div>

Example for Specifying (Specification is for trim only)

NMP - C - 1003 - ED - ST - 6204 - 134

Door Manufacturer

ST

Insert your choice of Standard or Specific Door Manufacturer.

ST Standard NMP

- Andersen® Featuring FSB Hardware is available through Andersen®

Door Manufacturer

ST

Insert your choice of Standard or Specific Door Manufacturer.

ST Standard EMP

Material and Finish

6204

Insert your choice of material and finish using one of the codes below.

Premium Series

Stainless Steel

- **6204** Satin (630)
- **6205** Polished (629)

Bronze

- **7615** Aged, Waxed (615)
- **7625** Dark Oxidized, Waxed (613)

Elements Series

Non-Anodized Aluminum

- **0013** Pure Aluminum, Natural

Anodized Aluminum

- **0105** Natural Color (628)

Textured Anodized Aluminum

- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)
- **8876** Light Bronze
- **8877** Pale Bronze

Door Thickness

134

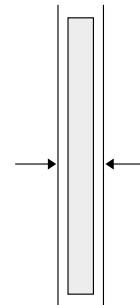
Multi-point trim sets are supplied standard for 1¾" door thickness.

Standard

- 134** 1¾"
- 214** 2¼"

Special Order

All sizes over 2¼" thick please consult FSB.



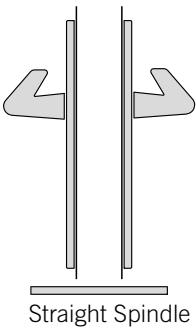
Multi-Point

Standard North American Multi-Point Kits

North American Multi-Point (NMP)

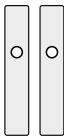
Function C

Passage

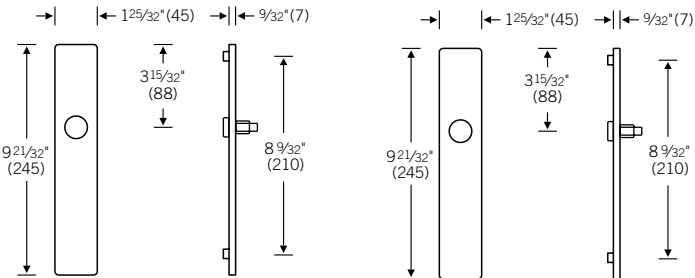


- Set Includes:**
- 2 Escutcheons
 - 2 Levers
 - 1 Spindle
 - 2 Screws
 - 2 Nuts

Lever on Top
ED

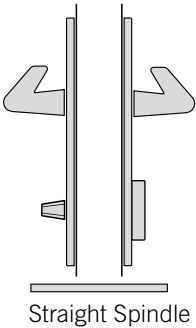


Concealed Fasteners



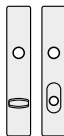
Function H

Entrance

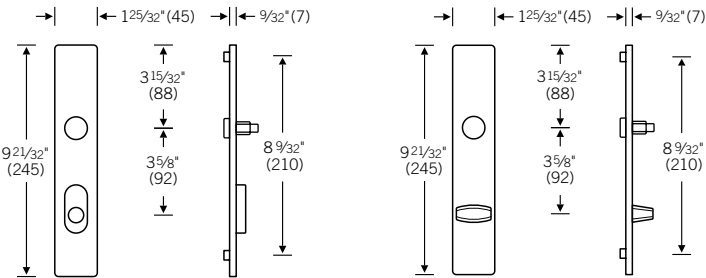


- Set Includes:**
- 2 Escutcheons
 - 2 Levers
 - 1 Cylinder / Thumbturn
 - 1 Spindle
 - 2 Screws
 - 2 Nuts

Lever on Top
ED

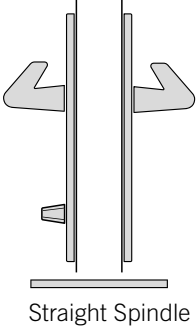


Concealed Fasteners



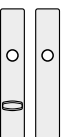
Function T

Patio

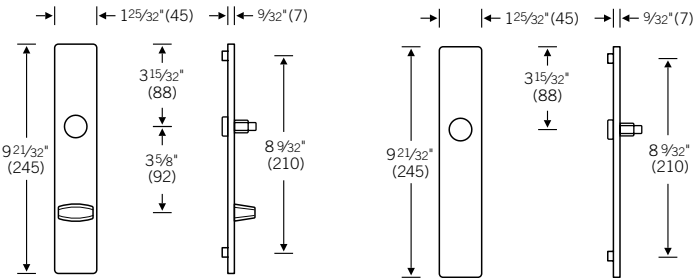


- Set Includes:**
- 2 Escutcheons
 - 2 Levers
 - 1 Thumbturn
 - 1 Spindle
 - 2 Screws
 - 2 Nuts

Lever on Top
ED



Concealed Fasteners

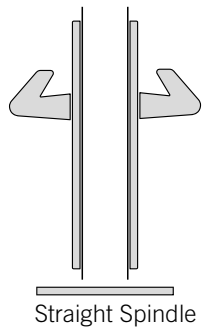


Standard European Multi-Point Kits

European Multi-Point (EMP)

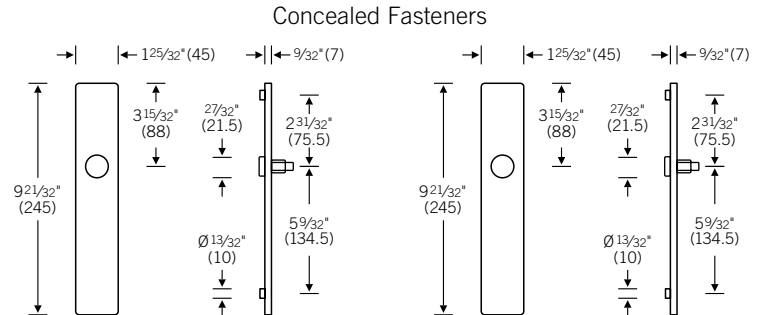
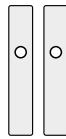
Function C

Passage



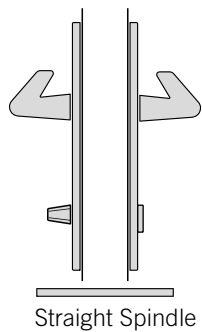
Set Includes:
 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED



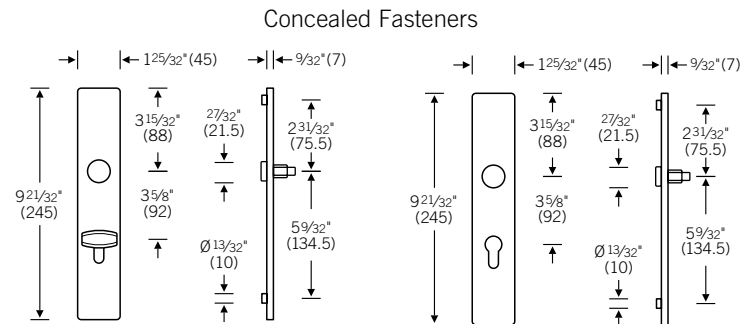
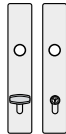
Function H

Entrance



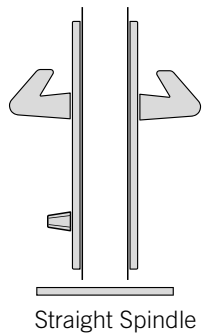
Set Includes:
 2 Escutcheons
 2 Levers
 1 Cylinder / Thumbturn
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED



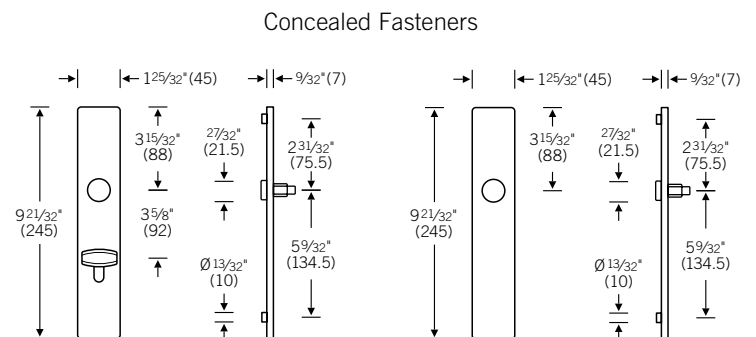
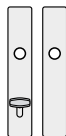
Function T

Patio



Set Includes:
 2 Escutcheons
 2 Levers
 1 Thumbturn
 1 Spindle
 2 Screws
 2 Nuts


Lever on Top
ED



North American Standard

Standard Rectangular Multi-Point Escutcheon Plates for Swinging Doors

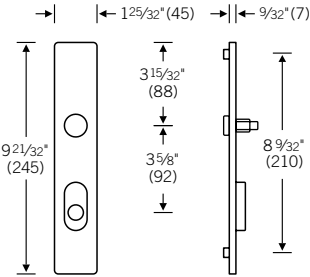
ED

14 1410 09023 
Cylinder | 9³¹/₃₂" (245 mm)
*Includes finish rose and sub-rose



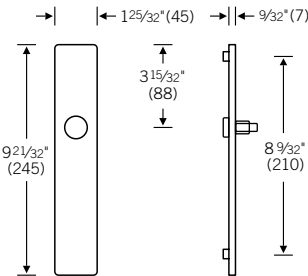
Cylinder

14 1410 09023 
*Includes finish rose and sub-rose



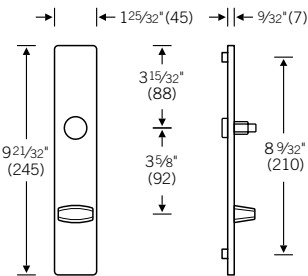
Lever only

14 1410 09021 
*Includes finish rose and sub-rose



Thumbturn


14 1410 09022 
*Includes finish rose and sub-rose



European Standard

Standard Rectangular Multi-Point Escutcheon Plates for Swinging Doors

ED

12 1410 19112 

9³¹/₃₂" (245 mm)

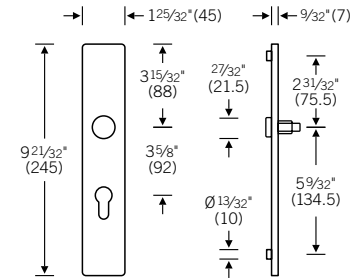
*Includes finish rose and sub-rose




Cylinder

12 1410 19112 

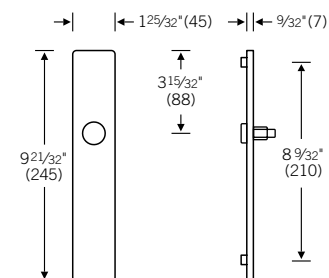
*Includes finish rose and sub-rose



Lever only

14 1410 09021 

*Includes finish rose and sub-rose



All details subject to modification

Multi-Point

North American Multi-Point Trim Kits



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	523	630
H	Entrance	993	1239
T	Patio	645	795



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	584	752
H	Entrance	1054	1362
T	Patio	706	917

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

North American Multi-Point Trim Kits



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	736	901
H	Entrance	1206	1510
T	Patio	858	1065



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	890	1058
H	Entrance	1360	1668
T	Patio	1012	1223

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn

NMP-C-1003-ED-ST-6204-134

Example for Specifying

North American

Multi-Point Trim Kits



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	1049	1242
H	Entrance	1520	1851
T	Patio	1171	1407



Standard Functions		Standard	
		Bronze Finishes	
		7615	7625
C	Passage	874	1066
H	Entrance	N/A	N/A
T	Patio	1128	1254

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

North American Multi-Point Trim Kits



1045 1053 1119



Standard

Standard Functions

		Bronze Finishes	
		7615	7625
C	Passage	936	1127
H	Entrance	N/A	N/A
T	Patio	1189	1315



1004 1016 1076 1102* 1134 1163

*Available in 7615 finish only

1164 1242 1267 1291 1292



Standard

Standard Functions

		Bronze Finishes	
		7615	7625
C	Passage	936	1188
H	Entrance	N/A	N/A
T	Patio	1189	1376

All details subject to modification

Multi-Point

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn
NMP-C-1003-ED-ST-6204-134
 Example for Specifying

North American Multi-Point Trim Kits



Standard Functions		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	382	512
H	Entrance	663	847
T	Patio	531	701

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

All details subject to modification

North American Multi-Point Trim Kits



Standard Functions		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	443	598
H	Entrance	724	932
T	Patio	592	787



*Available in 0105 finish only



Standard Functions		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	504	635
H	Entrance	785	969
T	Patio	653	824

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn
NMP-C-1003-ED-ST-6204-134

Example for Specifying

European

Multi-Point Trim Kits



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	521	628
H	Entrance	769	921
T	Patio	716	851



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	582	750
H	Entrance	831	1044
T	Patio	778	973

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door.
Trim is only available with standard thumbturn.

European Multi-Point Trim Kits



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	734	899
H	Entrance	983	1192
T	Patio	930	1122



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	888	1056
H	Entrance	1137	1350
T	Patio	1084	1279

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn
EMP-C-1003-ED-ST-6204-134

Example for Specifying

European

Multi-Point Trim Kits



1102

1134

1163

1164



Standard Functions		Standard	
		Stainless Finishes	
		6204	6205
C	Passage	1047	1240
H	Entrance	1296	1533
T	Patio	1243	1463



1015

1023

1106



Standard Functions		Standard	
		Bronze Finishes	
		7615	7625
C	Passage	1064	1064
H	Entrance	1225	1225
T	Patio	1290	1290

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

European Multi-Point Trim Kits



Standard Functions		Standard	
		Bronze Finishes	
		7615	7625
C	Passage	1125	1125
H	Entrance	1286	1286
T	Patio	1351	1351



Standard Functions		Standard	
		Bronze Finishes	
		7615	7625
C	Passage	1186	1186
H	Entrance	1348	1348
T	Patio	1413	1413

Lock Type

Function

Lever

Trim Set

Door

Finish

Door Thkn

EMP-C-1003-ED-ST-6204-134

Example for Specifying

European

Multi-Point Trim Kits



Standard Functions

		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	380	511
H	Entrance	586	717
T	Patio	589	729

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

European

Multi-Point Trim Kits



Standard Functions

C	Passage
H	Entrance
T	Patio

Standard

Aluminum Finishes

0105	All Other Aluminum
441	596
647	803
650	815



Standard Functions

C	Passage
H	Entrance
T	Patio

Standard

Aluminum Finishes

0105	All Other Aluminum
502	633
709	839
711	852

Lock Type
Function
Lever
Trim Set
Door
Finish
Door Thkn

EMP-C-1003-ED-ST-6204-134

Example for Specifying

Multi-Point Options

Special Notes

- EMP PZ cylinder face only comes in 6204 and 0710.
- Custom door thickness available, please call for quote.



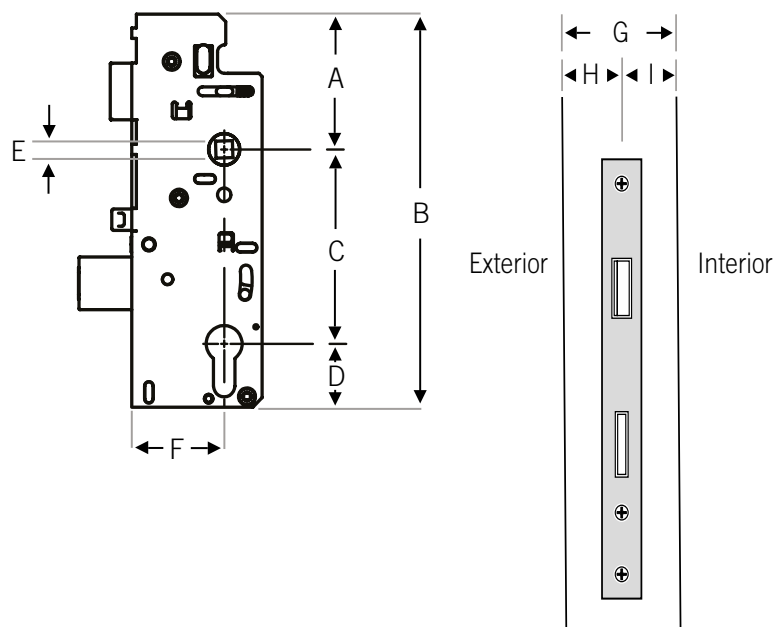
Standard

Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	30
Special Door Thickness	All sizes over 2 ¼" thick please consult FSB	Add	56

Multi-Point Dimension Chart

Multi-Point Lock Dimension Chart



Multi-Point Measurements	
Lock Manufacturer	
Function	
Dimension A	
Dimension B	
Dimension C	
Dimension D	
Dimension E	
Dimension F	
Dimension G	
Dimension H	
Dimension I	

Key:
A = Center of Lever Hub to Top of Lock Case
B = Top of Lock Case to Bottom of Lock Case
C = Center of Cylinder to Center of Lever Hub
D = Center of Cylinder to Bottom of Lock Case
E = Lever Hub Size
F = Backset
G = Width of Door
H = Center of Lock to Exterior Face of Door
I = Center of Lock to Interior Face of Door

All details subject to modification

Specifying Lift and Slide Trim

Lift and Slide (LNS)

Lock Type	Trim Function	Lever Design	Exterior Trim	Interior Trim
LNS	C Insert your choice of function using one of the letter codes below	1004 Insert your choice of lever design using one of the four digit codes.	SP Insert your choice of trim using one of the letter codes.	LO Insert your choice of trim using one of the letter codes.
LNS	C Passage H Entrance T Patio	Levers 1004 1016 1076 1102 1146 1163 1289 1292	LO Lever with oval escutcheon LR Lever with rectangular escutcheon SP Short Flush Pull LP Long Flush Pull	LO Lever with oval escutcheon LR Lever with rectangular escutcheon Trim Sets are supplied less cylinder.

Example for Specifying (Specification is for trim only)

LNS - C - 1004 - SP - LO - 6204 - 214

Material and Finish

6204

Insert your choice of material and finish using one of the codes below.

Premium Series

Stainless Steel

- **6204** Satin (630)
- **6205** Polished (629)

Bronze

- **7615** Aged, Waxed (615)
- **7625** Dark Oxidized, Waxed (613)

Elements Series

Non-Anodized Aluminum

- **0013** Pure Aluminum, Natural

Anodized Aluminum

- **0105** Natural Color (628)

Textured Anodized Aluminum

- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)
- **8876** Light Bronze
- **8877** Pale Bronze

Door Thickness

214

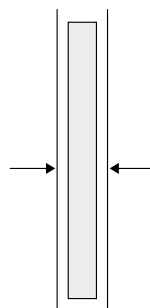
Lift and Slide trim sets are supplied standard for 2 ¼" door thickness.

Standard

214 2 ¼"

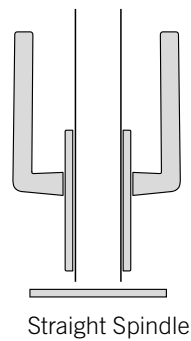
Special Order

All sizes other than 2 ¼" thick please consult FSB.



Function C

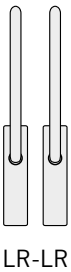
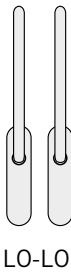
Passage



Passage Lever by Lever

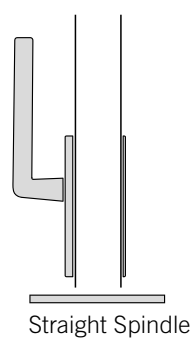
- Set Includes:**
2 Escutcheons
2 Handles
1 Spindle
2 Screws
2 Nuts

Trim Options



Function C

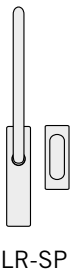
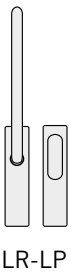
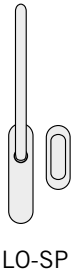
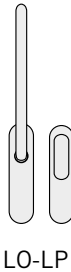
Passage



Passage Lever by Flush Pull

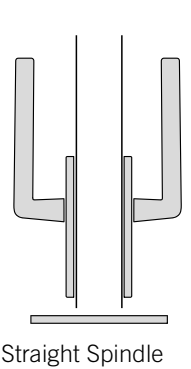
- Set Includes:**
1 Escutcheon
1 Handles
1 Long or Short Flush Pull
1 Spindle
2 Screws

Trim Options



Function H

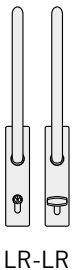
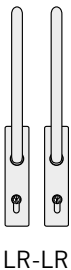
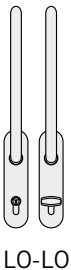
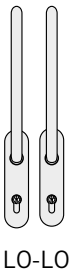
Entrance



Entrance Lever by Lever

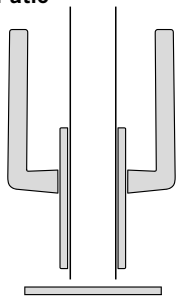
- Set Includes:**
2 Escutcheons
2 Handles
1 Spindle
2 Screws
2 Nuts

Trim Options



Function T

Patio



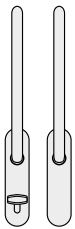
Straight Spindle

Patio Lever by Lever

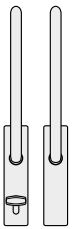
Set Includes:

- 2 Escutcheons
- 2 Handle
- 1 Spindle
- 2 Screws
- 2 Nuts

Trim Options



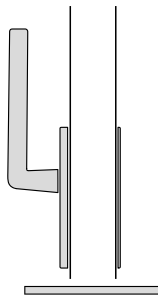
LO-LO



LR-LR

Function T

Patio



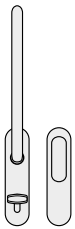
Straight Spindle

Patio Lever by Flush Pull

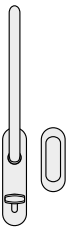
Set Includes:

- 1 Escutcheon
- 1 Handle
- 1 Long or Short Flush Pull
- 1 Spindle
- 2 Screws

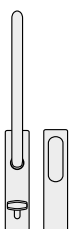
Trim Options



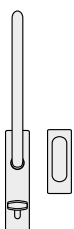
LO-LP



LO-SP




LR-LP



LR-SP


Lift and Slide Handles

34 1004 



.... 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002


.... 01101
oval trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

34 1016 

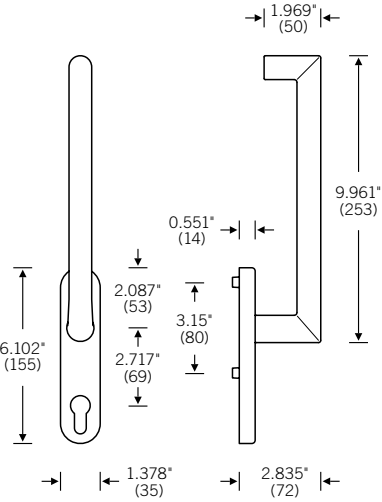
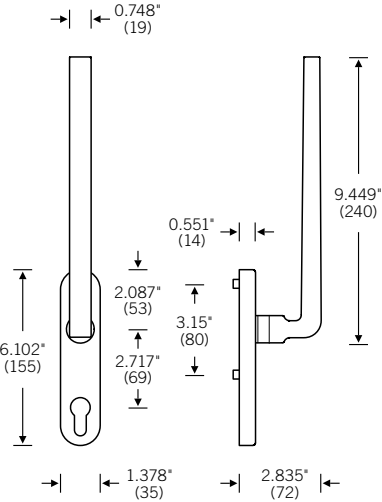


.... 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002

.... 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm  spindle

Matching flush pulls FSB 42 4215 see Page 417




Lift and Slide Handles

34 1076 



.... 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002


.... 01101
oval trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

34 1102 
*7615 Bronze Only

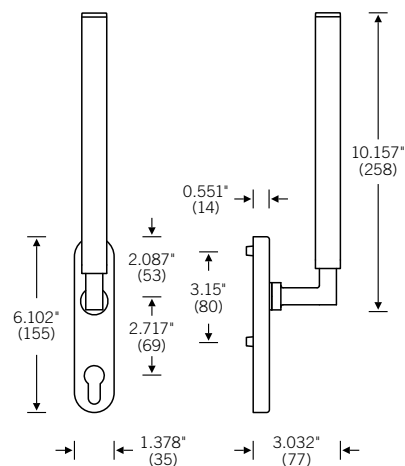
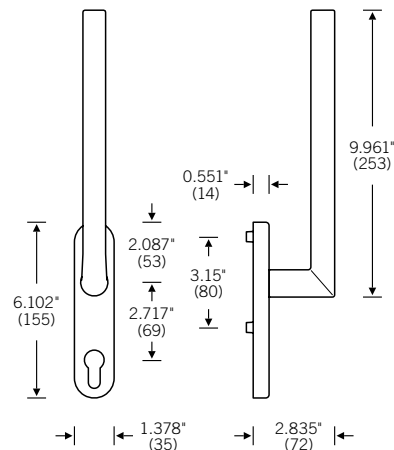


.... 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002


.... 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003


Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm  spindle

Matching flush pulls FSB 42 4215 see Page 417



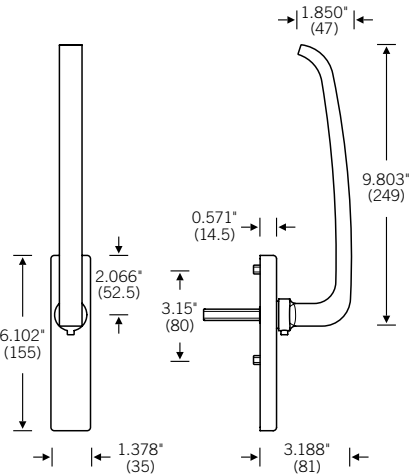
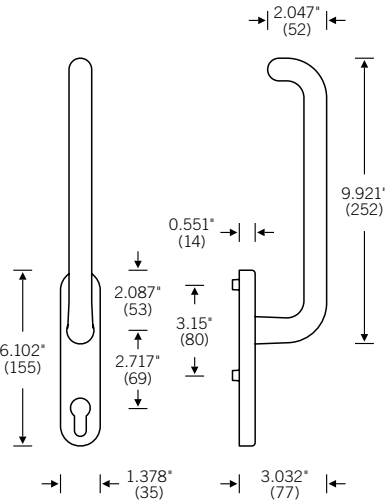
Lift and Slide Handles

34 1146 

34 1163 

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm □ spindle


Matching flush pulls FSB 42 4215 see Page 417



- 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002
- 01101
oval trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

- 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002
- 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

Lift and Slide Handles

34 1242 




- 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002
- 01101
oval trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

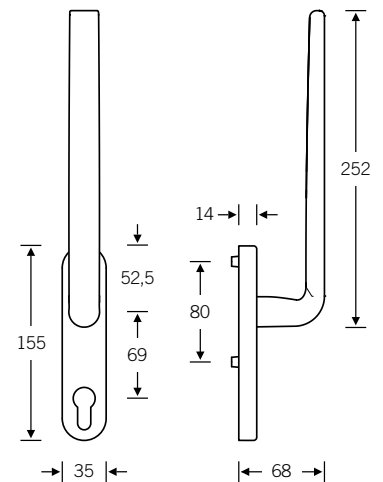
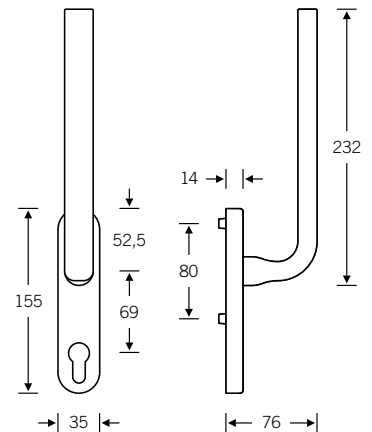
34 1267 




- 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002
- 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm  spindle


Matching flush pulls FSB 42 4215 see Page 417



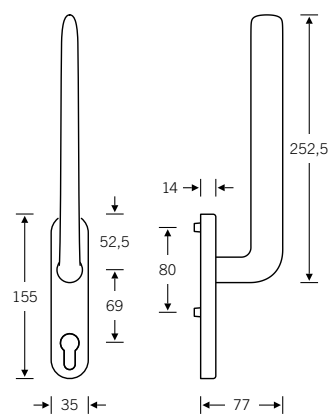
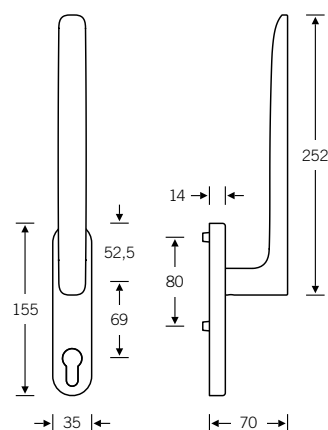
Lift and Slide Handles

34 1289 

12 1292   

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm  spindle

Matching flush pulls FSB 42 4215 see Page 417



.... 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002


.... 01101
oval trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

.... 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002

.... 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

Flush Pulls

for Lift and Slide Handles

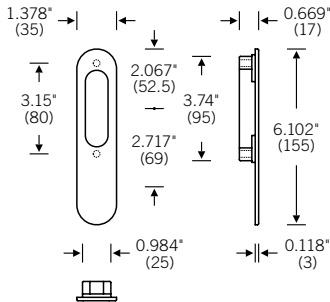
42 4215 




42 4215 00000 (without keyhole)

Must be used with Lift and Slide Handles.

M6 threaded screws



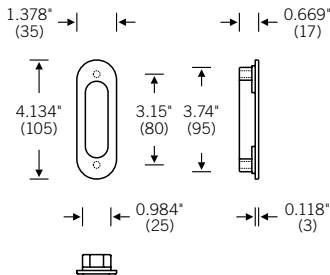
42 4215 01000 



Flush Pull


Must be used with Lift and Slide Handles.

M6 threaded screws



Flush Pulls

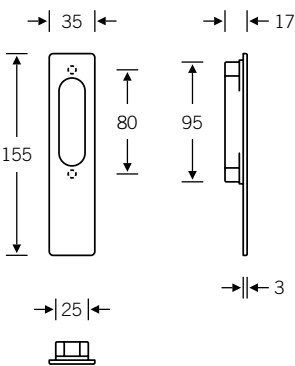
for Lift and Slide Handles


42 4217 



42 4217 00000 (without keyhole)

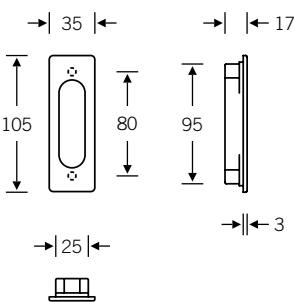
Must be used with Lift and Slide Handles.
M6 threaded screws



42 4217 01000 



Flush Pull
Must be used with Lift and Slide Handles.
M6 threaded screws



Lift Slide Handle Trim Kits



1004

Non Keyed Functions		Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
				6204	6205	6204	6205	6204	6205
C		Passage	LNS-C	1241	1608	1241	1608	2100	2725
H		Entrance	LNS-H	N/A	N/A	N/A	N/A	2100	2725
T		Patio	LNS-T	1241	1608	1241	1608	2100	2725



1016

Non Keyed Functions		Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
				6204	6205	6204	6205	6204	6205
C		Passage	LNS-C	1014	1323	1014	1323	1645	2157
H		Entrance	LNS-H	N/A	N/A	N/A	N/A	1645	2157
T		Patio	LNS-T	1014	1323	1014	1323	1645	2157




1076


Non Keyed Functions		Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
				6204	6205	6204	6205	6204	6205
C		Passage	LNS-C	985	1338	985	1338	1588	2185
H		Entrance	LNS-H	N/A	N/A	N/A	N/A	1588	2185
T		Patio	LNS-T	985	1338	985	1338	1588	2185

Note: Kit contains, pull and trim necessary for function chosen, spindles, and screws. Standard Kits are for 2 1/4" thick doors. All kits are sold less cylinder. Rectangular and Oval Trim Prices are the same.

Lift Slide Handle Trim Kits



1102	1242	1267	1292							
Non Keyed Functions	Function Description			Kit No.	SP-Lx		LP-Lx		Lx-Lx	
					6204	6205	6204	6205	6204	6205
C	Passage	LNS-C			1681	2247	1681	2247	2981	4003
H	Entrance	LNS-H			N/A	N/A	N/A	N/A	2981	4003
T	Patio	LNS-T			1681	2247	1681	2247	2981	4003



1146										
Non Keyed Functions	Function Description			Kit No.	SP-Lx		LP-Lx		Lx-Lx	
					6204	6205	6204	6205	6204	6205
C	Passage	LNS-C			957	1295	957	1295	1532	2100
H	Entrance	LNS-H			N/A	N/A	N/A	N/A	1532	2100
T	Patio	LNS-T			957	1295	957	1295	1532	2100

Note: Kit contains, pull and trim necessary for function chosen, spindles, and screws. Standard Kits are for 2 ¼" thick doors. All kits are sold less cylinder. Rectangular and Oval Trim Prices are the same.

Lock Type
Function
Lever
Int Trim
Ext Trim
Finish
Door Thkn

LNS-C-1004-SP-LO-6204-214

Example for Specifying

Lift Slide Handle Trim Kits











100410761102124212671292

Non Keyed Functions

Function Description





Kit No.

SP-Lx

LP-Lx

Lx-Lx

			7615	7625	7615	7625	7615	7625
C	Passage	LNS-C	2917	2917	N/A	N/A	4344	4344
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	4344	4344
T	Patio	LNS-T	2917	2917	N/A	N/A	4344	4344

1016

Non Keyed Functions

Function Description

Kit No.

SP-Lx

LP-Lx

Lx-Lx

			7615	7625	7615	7625	7615	7625
C	Passage	LNS-C	1994	1994	N/A	N/A	2498	2498
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2498	2498
T	Patio	LNS-T	1994	1994	N/A	N/A	2498	2498

Note: Kit contains, pull and trim necessary for function chosen, spindles, and screws. Standard Kits are for 2 ¼" thick doors. All kits are sold less cylinder. Rectangular and Oval Trim Prices are the same.

Lift Slide Handle Trim Kits



■ 1076 1146

Non Keyed Functions			SP-Lx		LP-Lx		Lx-Lx	
	Function Description	Kit No.	0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	920	1198	920	1198	1304	1702
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1304	1702
T	Patio	LNS-T	920	1198	920	1198	1304	1702



■ 1163 1242 1267 1292

Non Keyed Functions			SP-Lx		LP-Lx		Lx-Lx	
	Function Description	Kit No.	0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	1275	1695	1275	1695	2015	2696
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2015	2696
T	Patio	LNS-T	1275	1695	1275	1695	2015	2696



■ 1289

Non Keyed Functions			SP-Lx		LP-Lx		Lx-Lx	
	Function Description	Kit No.	0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	1317	1752	1317	1752	2100	2810
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2100	2810
T	Patio	LNS-T	1317	1752	1317	1752	2100	2810

Note: Kit contains, pull and trim necessary for function chosen, spindles, and screws. Standard Kits are for 2 ¼" thick doors. All kits are sold less cylinder. Rectangular and Oval Trim Prices are the same.

Lock Type Function Lever Int Trim Ext Trim Finish Door Thkn
LNS-C-1004-SP-LO-6204-214

Example for Specifying

Lift Slide Handles and Flush Pulls



1004



1016



1076



1102



1146



1163



1242



1267



1289



1292

				Stainless Finishes		Unit
Number		Description		6204	6205	
Lift Slide Handles	34	1004 xx100	W/O Keyhole, Through Bolted	1213	1484	Each
	34	1004 xx101	PZ Keyhole, Through Bolted	1213	1484	Each
	34	1016 xx100	W/O Keyhole, Through Bolted	984	1203	Each
	34	1016 xx101	PZ Keyhole, Through Bolted	984	1203	Each
	34	1076 xx100	W/O Keyhole, Through Bolted	927	1133	Each
	34	1076 xx101	PZ Keyhole, Through Bolted	927	1133	Each
	34	1102 xx100	W/O Keyhole, Through Bolted	1439	1760	Each
	34	1102 xx101	PZ Keyhole, Through Bolted	1439	1760	Each
	34	1146 xx100	W/O Keyhole, Through Bolted	927	1133	Each
	34	1146 xx101	PZ Keyhole, Through Bolted	927	1133	Each
	34	1242 xx100	W/O Keyhole, Through Bolted	1439	1760	Each
	34	1242 xx101	PZ Keyhole, Through Bolted	1439	1760	Each
	34	1267 xx100	W/O Keyhole, Through Bolted	1439	1760	Each
	34	1267 xx101	PZ Keyhole, Through Bolted	1439	1760	Each
	34	1292 xx100	W/O Keyhole, Through Bolted	1439	1760	Each
	34	1292 xx101	PZ Keyhole, Through Bolted	1439	1760	Each
Lift Slide Flush Pulls	42	4215 00000	FP Long w/o keyhole	222	272	Each
	42	4215 00002	FP Long with PZ Cut-Out	222	272	Each
	42	4215 01000	FP Short w/o PZ Cut-Out	214	262	Each
	42	4217 00000	FP Long w/o keyhole	222	272	Each
	42	4217 00002	FP Long with PZ Cut-Out	222	272	Each
	42	4217 01000	FP Short w/o PZ Cut-Out	214	262	Each

Note: Substitute your trim style prefix in the product code for "xx"

Oval Trim: 01

Rectangular Trim: 02

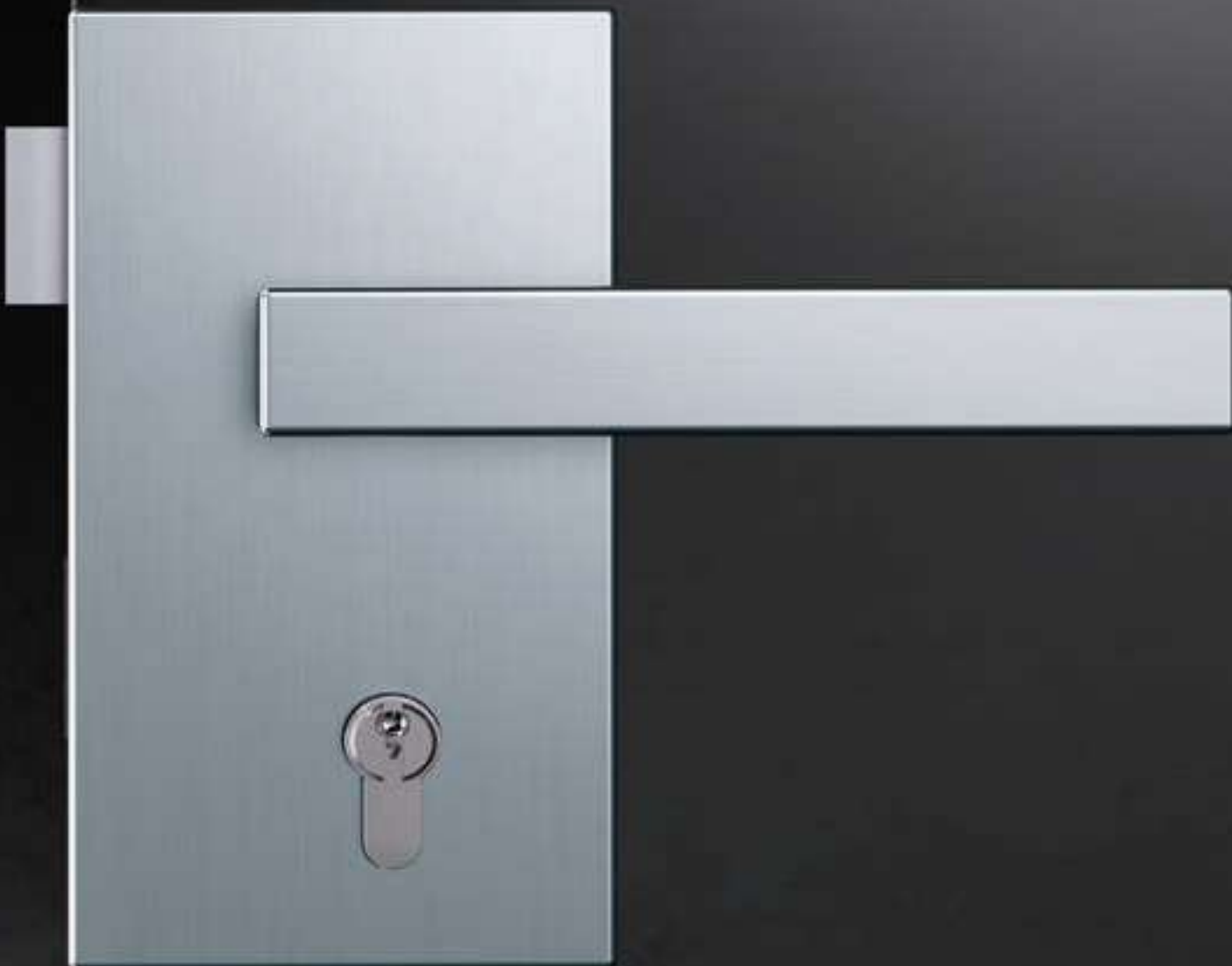
		Number		Description	Bronze Finishes		Unit
					7615	7625	
Lift Slide Handles	34	1004 xx100	W/O Keyhole, Through Bolted		2305	2818	Each
	34	1004 xx101	PZ Keyhole, Through Bolted		2305	2818	Each
	34	1016 xx100	W/O Keyhole, Through Bolted		1671	2043	Each
	34	1016 xx101	PZ Keyhole, Through Bolted		1671	2043	Each
	34	1102 xx100	W/O Keyhole, Through Bolted		2305	N/A	Each
	34	1102 xx101	PZ Keyhole, Through Bolted		2305	N/A	Each
	34	1242 xx100	W/O Keyhole, Through Bolted		2305	2818	Each
	34	1242 xx101	PZ Keyhole, Through Bolted		2305	2818	Each
	34	1267 xx100	W/O Keyhole, Through Bolted		2305	2818	Each
	34	1267 xx101	PZ Keyhole, Through Bolted		2305	2818	Each
	34	1292 xx100	W/O Keyhole, Through Bolted		2305	2818	Each
	34	1292 xx101	PZ Keyhole, Through Bolted		2305	2818	Each
Flush Pulls	42	4215 01000	FP Short w/o PZ Cut-Out		732	895	Each

		Number		Description	Aluminum Finishes		Unit
					0105	All Other	
Lift Slide Handles	34	1146 xx100	W/O Keyhole, Through Bolted		767	1017	Each
	34	1146 xx101	PZ Keyhole, Through Bolted		767	1017	Each
	34	1163 xx100	FP Long w/o keyhole		1096	1450	Each
	34	1163 xx101	FP Long with PZ Cut-Out		1096	1450	Each
	34	1242 xx100	FP Long w/o keyhole		1096	1450	Each
	34	1242 xx101	FP Long with PZ Cut-Out		1096	1450	Each
	34	1267 xx100	FP Long w/o keyhole		1096	1450	Each
	34	1267 xx101	FP Long with PZ Cut-Out		1096	1450	Each
	34	1289 xx100	FP Long w/o keyhole		1096	1450	Each
	34	1289 xx101	FP Long with PZ Cut-Out		1096	1450	Each
	34	1292 xx100	FP Long w/o keyhole		1096	1450	Each
	34	1292 xx101	FP Long with PZ Cut-Out		1096	1450	Each
Lift Slide Flush Pulls	42	4215 00000	FP Long w/o keyhole		282	373	Each
	42	4215 00002	FP Long with PZ Cut-Out		282	373	Each
	42	4215 01000	FP Short w/o PZ Cut-Out		275	365	Each
	42	4217 00000	FP Long w/o keyhole		282	373	Each
	42	4217 00002	FP Long with PZ Cut-Out		282	373	Each
	42	4217 01000	FP Short w/o PZ Cut-Out		275	365	Each

Note: Substitute your trim style prefix in the product code for "xx"

Oval Trim: 01

Rectangular Trim: 02



Glass Locks Overview

EGS

13 4220  
Page 431, 432













EGC

13 4224  
Page 433, 434




All details subject to modification

	Premium Series	Elements Series	
Material	 Stainless Steel	 Aluminum	
Finishes	 6204 (630)  6205 (629)	 0105 (628)  8120  8220  0510  0710 (710)  0810 (711)	












Specifying Glass Locksets

European Swinging Glass Door Locks (EGS and EGC)

Glass Lock Type	Lock Functions	Lever Design	Trim Set	Thumbturn and Indicator
<div>EGS</div> <div>Insert your choice of glass door lock</div> <div> <div>EGS</div> <div>European Glass Door Lock, Square Edge</div> <div>EGC</div> <div>European Glass Door Lock, Compact</div> </div>	<div>C</div> <div>Insert your choice of function using one of the letter codes below.</div> <div> <div>A</div> <div>Store Door</div> <div>C</div> <div>Passage</div> <div>H</div> <div>Entrance</div> </div> <div>European Glass Door Locks do not have Emergency Egress Function.</div>	<div>1147</div> <div>Insert your choice of lever or knob design using one of the four digit codes.</div> <div> <div>Premium/Elements</div> <div> <div>1003</div> <div>1108</div> <div>1004</div> <div>1119</div> <div>1005</div> <div>1134</div> <div>1015</div> <div>1144</div> <div>1016</div> <div>1146</div> <div>1021</div> <div>1147</div> <div>1023</div> <div>1163</div> <div>1025</div> <div>1183</div> <div>1031</div> <div>1242</div> <div>1035</div> <div>1243</div> <div>1045</div> <div>1244</div> <div>1053</div> <div>1245</div> <div>1058</div> <div>1246</div> <div>1070</div> <div>1254</div> <div>1074</div> <div>1267</div> <div>1075</div> <div>1289*</div> <div>1076</div> <div>1291</div> <div>1102</div> <div>1292</div> <div>1106</div> <div>1293</div> <div>1107</div> </div> </div> <div>* Elements Only</div>	<div>RA</div> <div>Insert your choice of trim set using one of the two letter codes.</div> <div> <div>Optional Trim Set</div> <div> <div>FL</div> <div>Patch fitting only</div> <div>RA</div> <div>Rose 2 3⁄16" (55 mm) (EGS + EGR only)</div> </div> </div>	<div>S</div> <div>Insert your choice of indicator if necessary.</div> <div> <div>Thumbturns</div> <div> <div></div> <div>S</div> <div>Standard thumbturn available with all roses and escutcheons</div> </div> </div>

Example for Specifying

EGS - H - 1147 - RA - S - 6204 - 231 - E1 - RH - 010

Material and Finish	Backset	Strike	Handing	Door Thickness
<p>6204</p> <p>Insert your choice of material and finish using one of the codes below.</p> <p>Premium Series</p> <p>Stainless Steel</p> <p> 6204 Satin (630)</p> <p> 6205 Polished (629)</p> <p>Elements Series</p> <p>Non-Anodized Aluminum</p> <p> 0013 Pure Aluminum, Natural</p> <p>Anodized Aluminum</p> <p> 0105 Natural Color (628)</p> <p>Textured Anodized Aluminum</p> <p> 0510 Medium Bronze Color</p> <p> 0710 Dark Bronze Color (710)</p> <p> 0810 Black Color (711)</p> <p>Powder Coated Aluminum</p> <p> 8120 Black (671)</p> <p> 8220 White (714)</p> <p> 8876 Light Bronze</p> <p> 8877 Pale Bronze</p>	<p>231</p> <p>Available with 2 3/16" backset only</p> <p>231 2 3/16" Backset (55 mm)</p>	<p>E1</p> <p>Insert your choice of strike using one of the two letter codes below</p> <p>Standard</p> <p>E1 Standard</p> <p>E2 Full Patch Strike</p>	<p>RH</p> <p>Insert your choice of hand using one of the two letter codes below</p> <p>RH Right Hand</p> <p>LH Left Hand</p> <p>RR Right Hand Reverse</p> <p>LR Left Hand Reverse</p>	<p>010</p> <p>Insert your choice of door thickness using one of the three digit codes.</p> <p>008 8 mm</p> <p>010 10 mm</p> <p>012 12 mm</p>

All details subject to modification

European Glass Door Lock for Swinging Doors

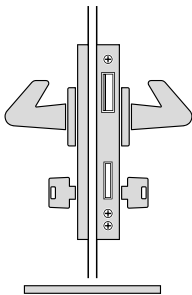
Functions

Function A

Store Door

Description
Latch bolt by handle either side.
Deadbolt by key either side.
European profile cylinder.

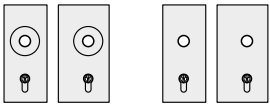
Lever to cylinder center-to-center:
2 13/16" (72 mm).



Trim Sets

RA

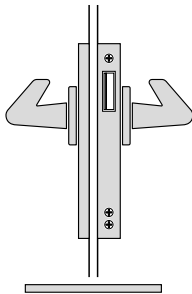
FL



Function C

Passage

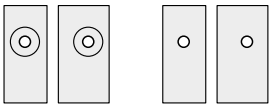
Description
Latch bolt by handle either side.



Trim Sets

RA

FL

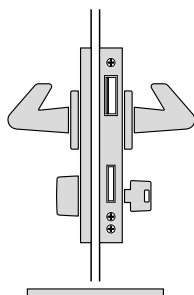


European Glass Door Lock for Swinging Doors

Functions

Function H

Entrance



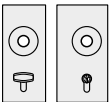
Description

Latch bolt by handle either side.
Deadbolt by key outside and
thumbturn inside.
European profile cylinder.

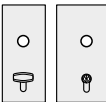
Lever to thumbturn center-to-center:
2¹³/₁₆" (72 mm).

Trim Sets

RA-S



FL-SI



All details subject to modification

European Glass Door Lock for Swinging Doors



Series EGS

- 13 4220 041 (LH)
- 13 4220 051 (RH)

Rectangular lockset plate with cover plates with heavy-duty glass door lock (DIN 18251, analogous to Class 4)

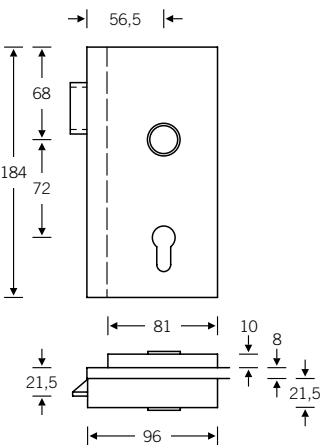
PZ cylinder CTC 72 mm

The handle shown is illustrative. Virtually any other FSB handle could be used instead.

European Glass Door Locks do not have Emergency Egress Function.



- 13 4220 042 (LH)
- 13 4220 052 (RH)



Technical notes:
Dimensions given assume glass 8 mm thick. Lockset plates for glass doors are prepared at the factory for glass 8 mm, 10 mm or 12 mm thick. Please specify.

Lock Functions are listed beginning on page 429.

Strike Box

for Glass Walls or Pairs



13 4220

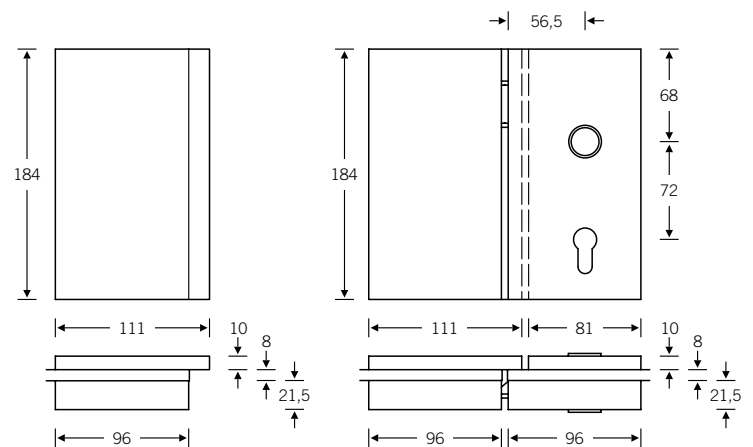
13 4220 045   (LH)

13 4220 055   (RH)

Note: E2 Full Patch Strike

Rectangular strike box to suit lockset plates for glass doors 4220 041/051 and 4220 042/052.

The strike box must be ordered in the hand opposite of the lock.



Technical notes:

Dimensions given assume glass 8 mm thick.

Strike boxes are prepared at the factory for glass 8 mm, 10 mm or 12 mm thick. Please specify.

European Glass Door Lock for Swinging Doors



Series EGC

13 4224 042 (LH)
13 4224 052 (RH)

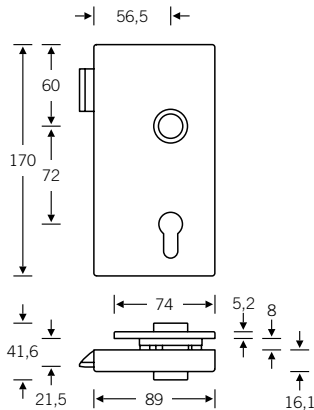
Heavy-duty bearing
Rectangular lockset plate compact with cover plates with heavy-duty glass door lock (DIN 18251, Class 4)

PZ cylinder CTC 72 mm

8 mm split follower
cast-steel latch

The handle shown is illustrative.
Virtually any other FSB handle could be used instead.

European Glass Door Locks do not have Emergency Egress Function.



All details subject to modification

Technical notes:
Dimensions given assume glass 8 mm thick. Lockset plates for glass doors are prepared at the factory for glass 8 mm, 10 mm or 12 mm thick. Please specify.





Lock Functions are listed beginning on page 429.

Strike

for Glass Walls or Pairs

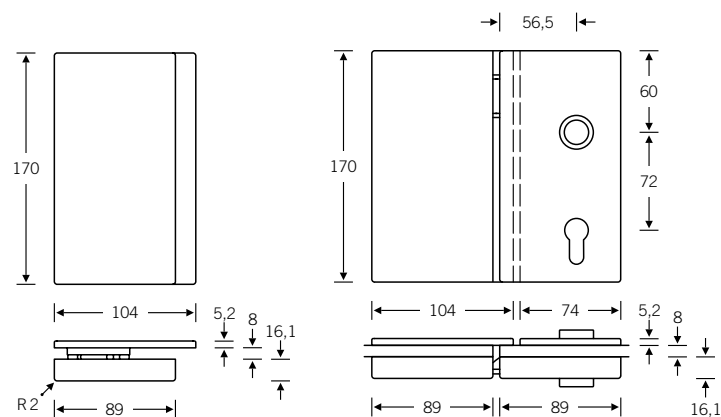


13 4224

13 4224 045   (LH)
13 4224 055   (RH)
Note: E2 Full Patch Strike

Rectangular strike box compact to suit lockset plate for glass doors 4224 042/052.

The strike must be ordered in the hand opposite of the lock.



Technical notes:
Strike boxes are prepared at the factory for 8 mm, 10 mm or 12 mm glass. Please specify.

EGS, EGR, and EGC Series

European Glass Door Locks



1005



1023



1035



1070



1146



1147



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1075	1319	1118	1375
C	Passage	987	1230	1029	1286
H	Entrance	1149	1393	1192	1449



1075



1076



1107



1108



EGC

		6204	6205
C		1075	1319
H		987	1230
A		1149	1393

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-6204-231-E1-RH-010

Example for Specifying

EGS, and EGC Series

European Glass Door Locks



1003



1015



1016



1058



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1138	1444	1181	1500
C	Passage	1049	1356	1092	1411
H	Entrance	1212	1518	1254	1574



1106



1144



1242



1267



EGC

		6204	6205
A		1138	1444
C		1049	1356
H		1212	1518

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-6204-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1025



1031



1045



1053



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1293	1596	1336	1652
C	Passage	1204	1507	1247	1563
H	Entrance	1367	1670	1410	1725



1183



1244



1254



EGC

		6204	6205
A		1293	1596
C		1204	1507
H		1367	1670

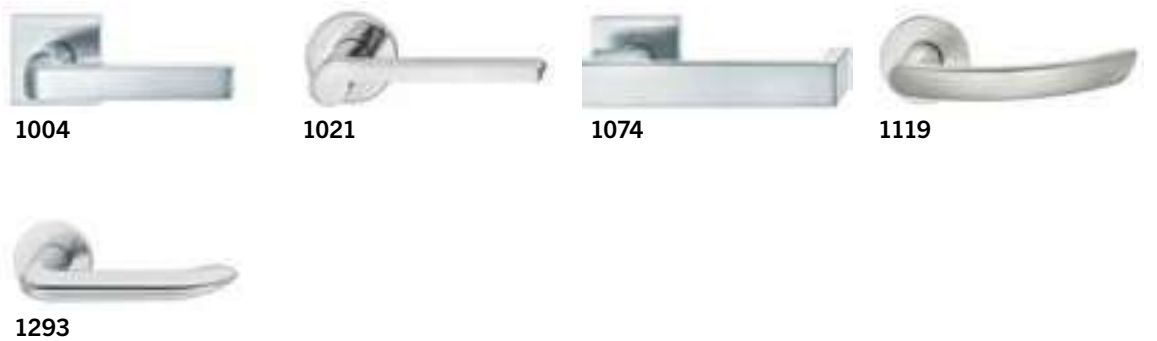
Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-6204-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1451	1757	1493	1813
C	Passage	1362	1668	1405	1724
H	Entrance	1524	1831	1567	1886



1243



1245



1291



1292



EGC

		6204	6205
A		1451	1757
C		1362	1668
H		1524	1831

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-6204-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1102



1134



1163



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1613	1945	1656	2000
C	Passage	1524	1856	1567	1911
H	Entrance	1687	2018	1730	2074



EGS



EGC

Patch Strikes Number		Description	Stainless Finishes	
			6204	6205
13	4220 04500	EGS, LH and RHR	559	684
13	4220 05500	EGS, RH and LHR	559	684
13	4223 04500	EGR, LH and RHR	549	672
13	4223 05500	EGR, RH and LHR	549	672
13	4224 04500	EGC, LH and RHR	569	696
13	4224 05500	EGC, RH and LHR	569	696



		6204	6205
A		1613	1945
C		1524	1856
H		1687	2018

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn
EGS-H-1147-RA-S-6204-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1005



1015



1021



1023



1070



1075



1076



1107



1163



1289



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	864	1081	880	1104
C	Passage	775	993	791	1015
H	Entrance	937	1155	953	1166

Anodized Aluminum

0105

0510

0710

0810

Powder Coated

8120

8220

Full list on page 8



		EGC	
		0105	All Other Aluminum
A		864	1104
C		775	1015
H		937	1166

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-0105-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1003



1016



1031



1106



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	926	1169	942	1192
C	Passage	837	1080	854	1103
H	Entrance	1000	1243	1016	1254



1242



1246



1267



EGC

		0105	All Other Aluminum
A		926	1192
C		837	1103
H		1000	1254

Lock Type
Function
Lever
Trim Set
Thumbturn
Finish
Backset
Strike
Handing
Door Thkn

EGS-H-1147-RA-S-0105-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1004



1074



1102
Available in 0105 finish only



1119



1245



1267



1291



1292



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	989	1207	1005	1229
C	Passage	900	1118	916	1140
H	Entrance	1062	1280	1079	1292



EGS



EGC

Patch Strikes Number		Description	Aluminum Finishes	
			0105	All Other Aluminum
13	4220 04500	EGS, LH and RHR	491	601
13	4220 05500	EGS, RH and LHR	491	601
13	4223 04500	EGR, LH and RHR	481	588
13	4223 05500	EGR, RH and LHR	481	588
13	4224 04500	EGC, LH and RHR	500	612
13	4224 05500	EGC, RH and LHR	500	612

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1134



1183



1243



1244



EGC

		0105	All Other Aluminum
A		989	1229
C		900	1140
H		1062	1292

Lock Type
 Function
 Lever
 Trim Set
 Thumbturn
 Finish
 Backset
 Strike
 Handing
 Door Thkn
EGS-H-1147-RA-S-0105-231-E1-RH-010

Example for Specifying



Door Pulls and Fixed Knobs

455	Pull Handles
465	Fastening
471	Pricing

Door Pulls – Features

Materials, Fastening Methods, Safety Clearance

FSB has added to its traditional tubular pull handle range with a comprehensive collection of oval and flat designs. All pull handles adapt to a wide variety of fastening methods. The traditional range of push/pull pad handles and profiles with brackets has also been further developed.

Materials

In principle, FSB supplies its entire pull handle range in either stainless steel, bronze, or aluminum, with stainless steel being particularly recommended for heavy-duty applications. Aluminum pulls are available in a variety of anodized finishes. The durable stainless steel pulls are supplied in a satin or polished finish. Bronze pulls are offered in a selection of styles when these base materials and finish options are desired.

Fastening Methods

Pulls can be mounted using various methods on a variety of door types and materials.

FSB offers these three fastening options below:

- back-to-back fastening **(A)**,
- through-bolted fastening **(B)**,
- concealed fastening with threaded insert (for solid doors) **(C)**,

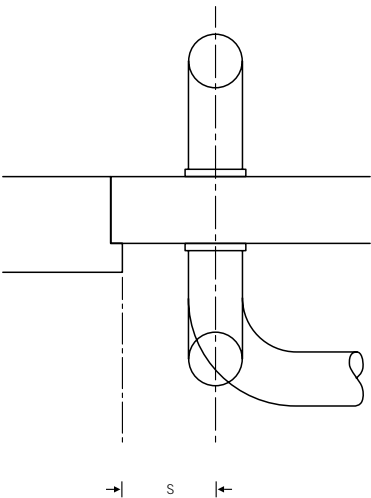
This section has the identifying letters that can be found on all relevant product pages. (Examples show fixing for tubular pulls).

Regarding the issue of concealed versus through-bolted fixing, FSB wishes to point out that, based on the compression ring technique deployed by FSB, concealed fixing is both aesthetically pleasing and sufficiently durable as a rule. This needs to be qualified, however, in the case of heavy-duty applications, through-bolt fastening is recommended.

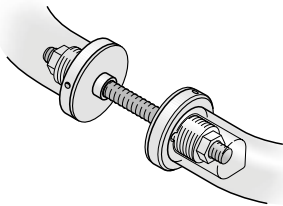
Safety Clearance (S)

When fitting a handle to the closing face of a door, a safety clearance needs to be allowed for between the handle and the edge of the door and the jamb. The assembly scenario is made more readily comprehensible by the following sketch.

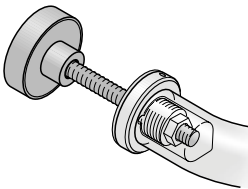
Ideally, safety clearances as recommended by FSB should be adhered to. Nevertheless, conditions at the point of assembly are crucial. It is particularly advisable to make use of offset pulls purpose-designed by FSB for especially narrow stiles, which sets the handle sufficiently far away from the edge.



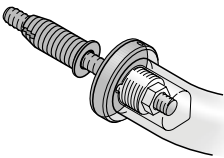
Fastening Methods



A Back-to-Back Fastening



B Through-Bolted Fastening



C Concealed Fastening with Threaded Insert (for Solid Doors)

All details subject to modification

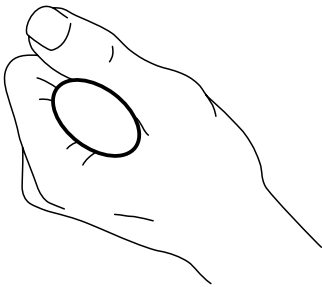
Door Pulls

Oval Series, Round Series

Oval Series

FSB has developed an alternative to traditional pulls of circular cross-section. Adopting the formula “diagonal + oval = ideal gripping” identified by FSB reduces the amount of effort required to take hold of and operate the handles on entrance doors.

The oval styling offers the market a new gripping quality for eye and hand which FSB has had copyright protected. The experience FSB has amassed now allows it to supply almost all its traditional styles both as circular pulls and as optimized-grip oval variants. A new flattened oval pull series airily and elegantly underpins architectural solutions.



Round Series

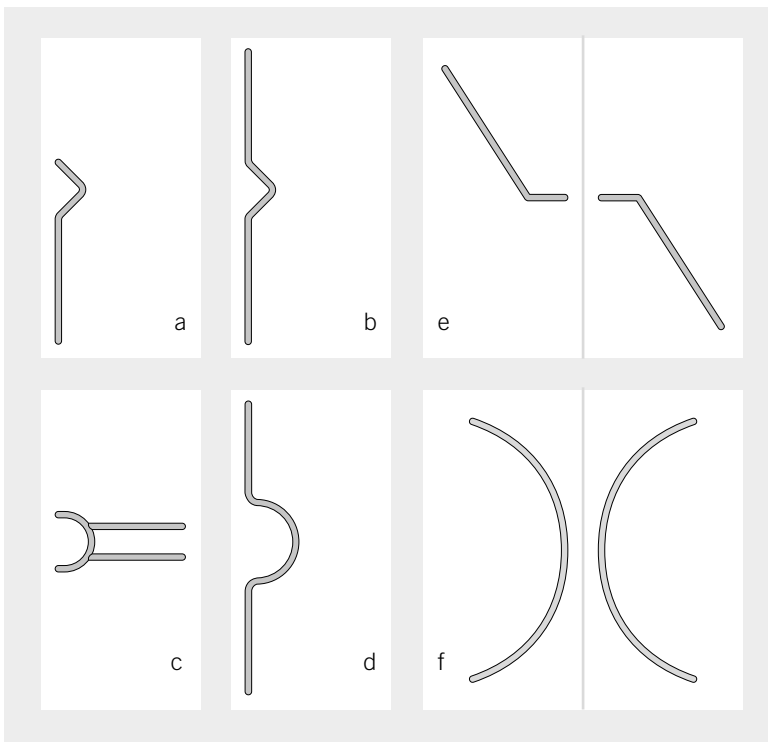
The proven FSB range of tubular pulls has profited from the burst of innovation in the sphere of oval designs. New shapes and brackets have been added.

This is particularly true of the lightweight pull series in 20 mm tubular material, for which a new design-conscious bracket fixture has been developed that FSB has likewise had utility and design patented.

Custom lengths can be provided for several of our round and oval pulls. Where it is possible we provide a sheet to be populated with the desired dimensions.



All details subject to modification



Design Suggestions

Pull Handles Round Series




The sketched handle constructions in the material stainless steel are intended as an inspiration to planners, designers, retailers and builders.

When sending an inquiry, please state the door type, material and weight. Accurate drawings are essential for FSB to prepare quotations.

Pull Handles
Round Series

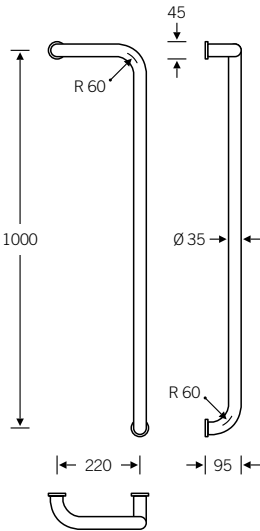


66 6506 

66 6506 065 (RH)
66 6506 075 (LH)

Handle cross-section Ø 35 mm
Safety clearance S = 47 mm
Fastening M8

Illustration: right hand, outside view

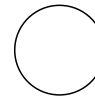




All details subject to modification

Fastening Methods (Details on page 468 and 469)
A Back-to-Back
B Through-Bolted
C Concealed - Threaded Insert

Pull Handles

Round Series

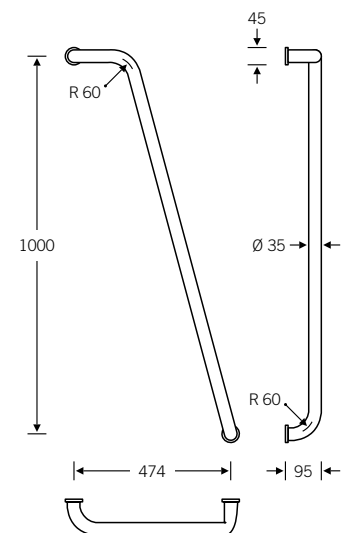


66 6507  

66 6507 065 (RH)
66 6507 075 (LH)

Handle cross-section Ø 35 mm
Safety clearance S = 47 mm
Fastening M8

Illustration: right hand, outside view



All details subject to modification

Fastening Methods (Details on page 468 and 469)

A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

Straight Series

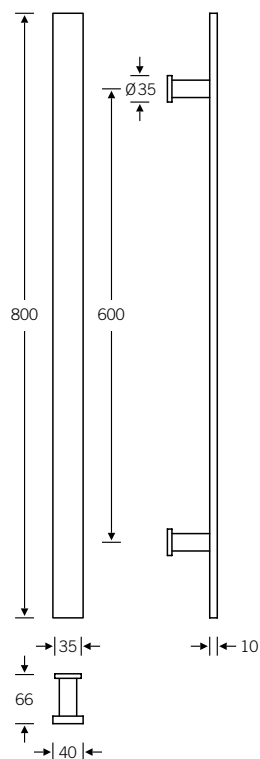


66 6548 ■

Matches FSB lever handle model 1003.
Handle cross-section 40 × 10 mm

Safety clearance S = 55 mm
Fastening M8

(also available in special lengths, please
see order form page 458)



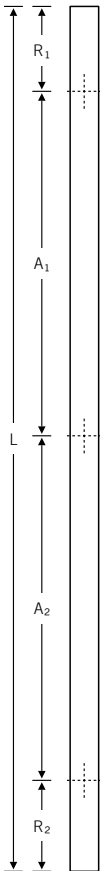
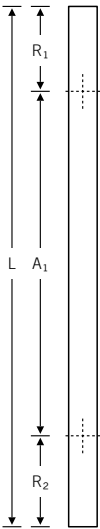
All details subject to modification

Fastening Methods (Details on page 468 and 469)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Order Form

Pull Handle 6548



Please use a copy of this page to order the door handle series 6548 in variable lengths.

Start by using the product numbers to define the desired version.

In the table below, please enter the quantity and overall length. Then add the distance(s) (A) between the support(s) and the end support distance (R).

☐ 66 6548 99 (40 × 10 mm)



To ensure stability, the support distance (A) should not exceed 600 mm.

All details subject to modification

Send custom lengths to FSB for pricing

Quantity	Overall length	Support distance			End support distance*		Fastening type
	L	A ₁	A ₂	A ₃	R ₁	R ₂	

* min. 30 mm, max. 250 mm for 6548

Pull Handles

Round Series



66 6602



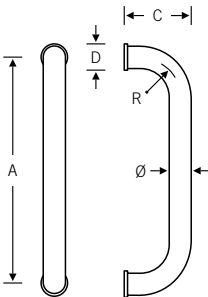
Item number	A	Ø	R	C	D	S
66 6670 034	200	25	40	80	35	48
66 6670 037	300	25	40	80	35	48
66 6670 038	350	25	40	80	35	48
66 6602 038	350	30	55	90	35	51
66 6670 099	200–1200	25	40	80	35	48
66 6602 099	300–1200	30	55	90	35	51

Matches FSB lever handle model 1075.

Bronze available only in Ø 30 mm (66 6602 038)

Maximum length for dark anodized aluminum finishes is 1000 mm.

Fastening: Ø = 20 mm M6
 Ø ≥ 25 mm M8



All details subject to modification

Fastening Methods (Details on page 468 and 469)

A Back-to-Back


B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

Round Series



66 6669 

Item number	A	Ø	C	D	S
66 6669 038	350	30	80	35	55
66 6669 099	Special length 30				

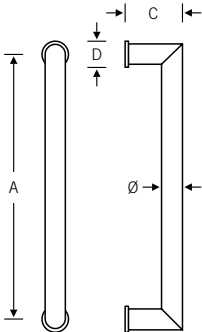


Matches FSB lever handle model 1076.

Bronze available only in Ø 30 mm (66 6669 038)

Special lengths with dimension A to 1200 mm in Ø 30, 35 and 40 mm

Fastening M8



Fastening Methods (Details on page 468 and 469)

A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

All details subject to modification

Pull Handles

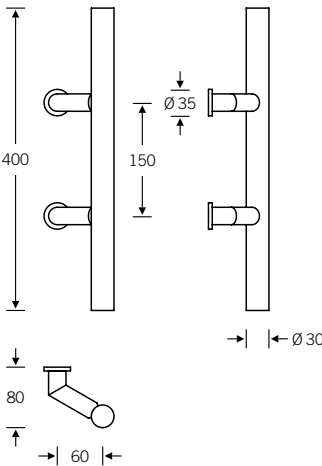
Round Series



66 6630 ■

Handle cross-section Ø 30 mm
Fastening M8

Standard length 400 mm



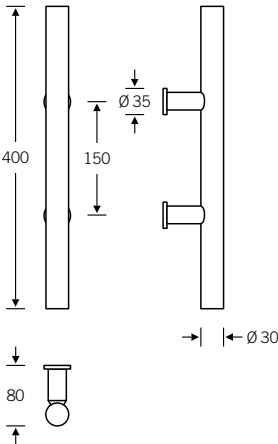
66 6681 ■ ■ ■ *

*0105 Aluminum Only

Handle cross-section Ø 30 mm
Safety clearance S = 38 mm
Fastening M8

Standard length 400 mm

Bronze available only in Ø 30 mm

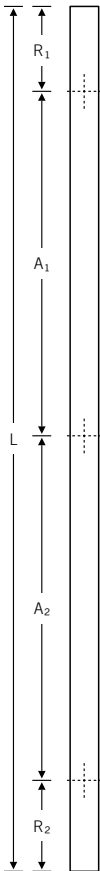
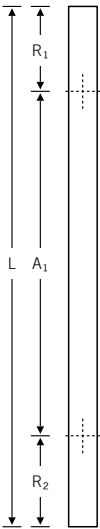
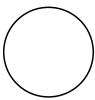


Fastening Methods (Details on page 468 and 469)
A Back-to-Back
B Through-Bolted
C Concealed - Threaded Insert

All details subject to modification

Order Form

Pull Handles 6630 and 6681



To order custom designs in the pull handle series 6630 or 6681, please use a copy of this page:

First specify the model desired citing the applicable order code above. Then enter the quantity required and overall length in the table below.

Then enter details of the distances between supports and, where applicable, their distance from the end of the handle in mm. To ensure stability, the distance between supports should not exceed 1200 mm.

- ☐ 66 6529 99 (Ø 25 mm)
- ☐ 66 6630 99 (Ø 30 mm)



- ☐ 66 6681 99 (Ø 30 mm)



All details subject to modification

Send custom lengths to FSB for pricing


Quantity	Overall length L	Support distance			End support distance*		Fastening type
		A ₁	A ₂	A ₃	R ₁	R ₂	

* min. 30 mm, max. 350 mm

Pull Handles

Round Series



66 6662 



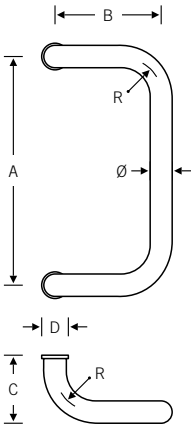
Item number	A	Ø	R	B	C	D	S
66 6662 038	350	30	55	140	90	35	43
66 6662 099	300–1200	30	55	140	90	35	43

Bronze available only in Ø 30 mm (66 6662 038)

Fastening: Ø = 20 mm M6
 Ø ≥ 25 mm M8

Special lengths are available per the chart above.
 Order 6662 and add length (A) in parenthesis.

Maximum length for dark anodized aluminum
 finishes is 1000 mm.



All details subject to modification

New Pull Overview

66 6550 ■



66 6551 ■



66 6552 ■



66 6653 ■ ■ ■



66 6666 ■ ■ ■



New Pull Details
Contact FSB Sales for more details and pricing

All details subject to modification

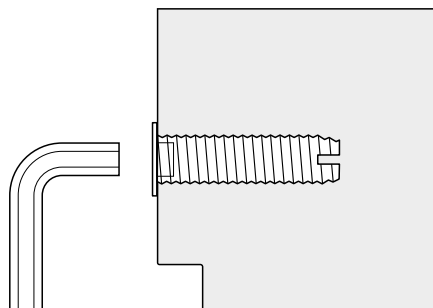
FSB Threaded Insert Fastening Method



FSB's threaded insert method is a practically-minded and, at the same time, enhanced means of fixing concealed pulls to solid doors, and in the process allowing distension forces to be absorbed far more effectively by the door stile.

A single type of threaded insert, 34 mm ($1\frac{15}{32}$ ") long is used which requires a minimum door thickness of 40 mm ($1\frac{9}{16}$ ").

The self-tapping thread creates an excellent bond with comparatively little play between door stile and threaded insert, thus ensuring an even and effective frictional connection – assuming the accurate drilling of 12.5 mm ($\frac{1}{2}$ ") diameter borehole has been made.



Step One

Whether a manual or a power drill is used, threaded inserts require holes 12.5 mm in diameter to be drilled.

Step Two

Then the threaded insert is screwed in using a size 8 Allen key until the washer at the end of the threaded insert lies flush against the stile. FSB recommends an Allen key with handle, as this is the best way of guaranteeing the requisite force is exerted.



Step Three

The "mounting post" is screwed into the threaded insert. The handle is then placed on the projecting "mounting post".

FSB Clamping Rose Fastening

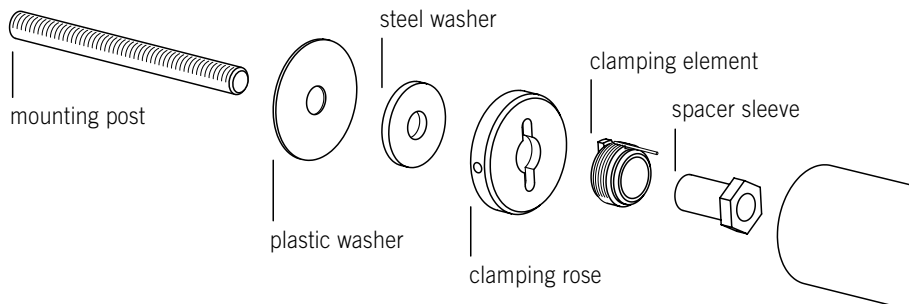


The FSB clamping rose fastening is a method of assembling door-pulls whereby the pull is tightened fast against the surface of the door. Visible fastening screws are done away with.

All door pulls with round necks are supplied as female parts with an internal left-handed thread 18×1.5 mm ($2\frac{3}{32} \times \frac{1}{16}$ ") (M8 fastening) or 14×1.5 mm ($\frac{9}{16} \times \frac{1}{16}$ ") (M6 fastening).

A clamping rose fastening comprises a plastic washer, a steel washer, a clamping element (with "lock-tight"), a rotating rose and a spacer sleeve that are securely held in place by a plastic clip and pre-attached to the end of the handle.

The FSB clamping rose fastening allows all FSB door pulls with round necks to be screwed tight against the surface of the door by means of an easy-to-operate clamping rose. Radial play allowed for by FSB ensures the necessary tolerances during fitting. Assembly is as follows:

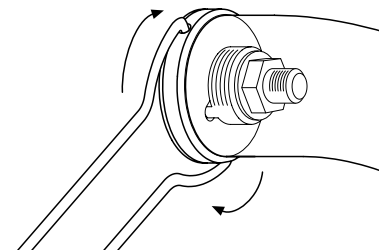


Step One

First install the "mounting post". How this is done depends on which fastening method you are using (back-to-back fastening, through-bolted fastening or concealed fastening).

Step Two

Then detach the clamping elements from the end of the pull by turning them counterclockwise. Remove the plastic clip and slip the plastic washer, the steel washer, the clamping rose and the clamping element over the mounting post in that order. Using the spacer sleeve, screw the elements together, ensuring that the clamping rose and clamping element remain free to rotate.



Step Three

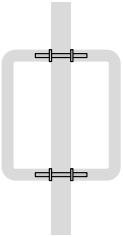
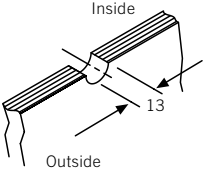
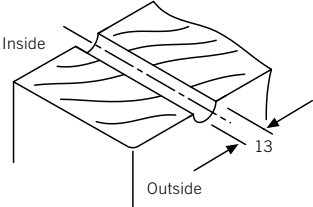
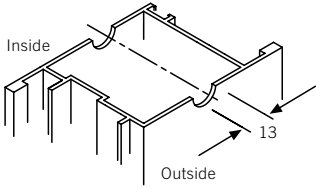

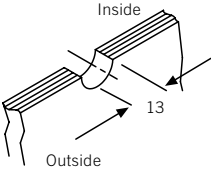
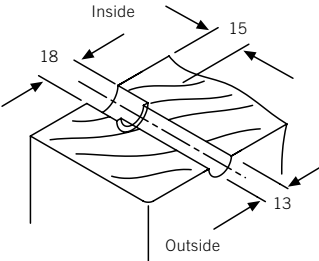
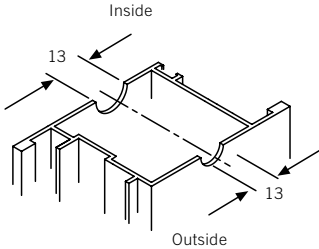

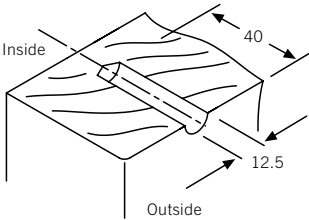
Place the handle on the fastening points and tighten against the door by alternately turning the clamping roses in a clockwise direction.

A turning device for the FSB clamping rose is supplied with the product.

Borehole Dimensions

Door Pulls

The illustrations below provide the bore hole dimensions for all FSB door pulls based on type of door and fastening method.

Fastening Method	Glass Door	Wood Door	Metal Door
A Back-to-Back Fastening 			
B Through-Bolted Fastening 			
C Concealed Fastening with Threaded Insert 			

Fastening Methods

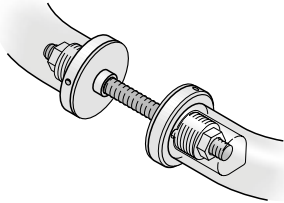
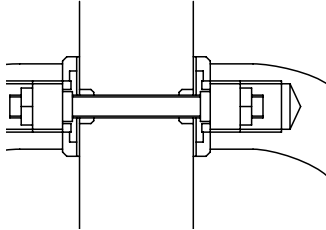
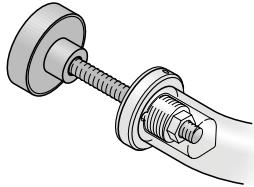
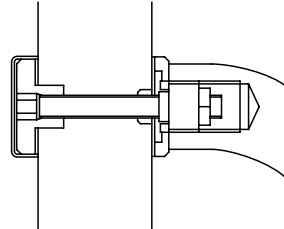
Door Pulls

Pull Handle Series Round M8

66 6506, 66 6507,

66 6548, 66 6602, 66 6630,
66 6662,

66 6669, 66 6670, 66 6681

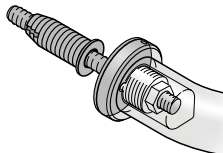
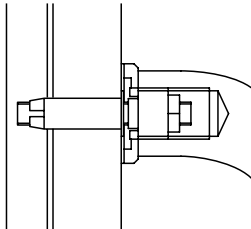
Fastening Method		Fastening Accessories	Item Number
	A Back-to-Back Fastening	2 each set screws M8	05 0580 01008 Glass door 8 – 10 mm 05 0580 03035 35 – 54 mm 05 0580 03055 55 – 74 mm 05 0580 03075 75 – 94 mm 05 0580 03095 95 – 114 mm
		Borehole Ø 13 mm	
	B Through-Bolted Fastening	2 each set screws M8 2 each fastening nuts with caps	Grip diameter 25/30 mm 05 0580 02308 glass door 8 – 10 mm 05 0580 04335 35 – 44 mm 05 0580 04345 45 – 54 mm 05 0580 04355 55 – 64 mm 05 0580 04365 65 – 74 mm 05 0580 04375 75 – 84 mm
		Borehole Ø 13/18 mm, please turn to page 467.	Grip diameter 35/40 mm 05 0580 02408 glass door 8 – 10 mm 05 0580 04435 35 – 44 mm 05 0580 04445 45 – 54 mm 05 0580 04455 55 – 64 mm 05 0580 04465 65 – 74 mm 05 0580 04475 75 – 84 mm

Fastening Methods

Door Pulls

Pull Handle Series Round M8

66 6506, 66 6507,
66 6548, 66 6602, 66 6630, 66 6662,
66 6669, 66 6670, 66 6681

Fastening Method		Fastening Accessories		Item Number	
	C Concealed Fastening with Threaded Insert 	2 each set screws M8	05 0580 00335		
		2 each expansion plugs brass dull nickel finish	Length of dowel	38 mm	
			05 0580 00336		
			Length of dowel	45 mm	
			05 0580 00337		
			Length of dowel	58 mm	
		Borehole Ø 12.5 mm (wood doors) Ø 13 mm (metal/pvc doors)			



Pulls Pricing

Single Door Pulls

Number			Description	Stainless Steel		Aluminum		Unit
				6204	6205	0105	All Other Alum.	
Single Pull Handles	66	6548 6094	600 mm CTC	1060	1296	-	-	Each
	66	6602 3895	350 mm CTC	480	586	392	519	Each
	66	6630 0095	150 mm CTC	823	1007	-	-	Each
	66	6662 3895	350 mm CTC	660	808	-	-	Each
	66	6669 3895	350 mm CTC	608	744	-	-	Each
	66	6670 3495	200 mm CTC	364	445	318	421	Each
	66	6670 3795	300 mm CTC	405	495	345	457	Each
	66	6670 3895	350 mm CTC	427	522	364	482	Each
	66	6681 0095	150 mm CTC	648	793	627	831	Each

Anodized Aluminum

0105

0510

0710

0810

Powder Coated

8120

8220

Full list on page 8

Number			Description	Bronze Finishes		Unit
				7615	7625	
Single Pull Handles	66	6602 3895	350 mm CTC	654	801	Each
	66	6662 3895	350 x 30 mm	1019	1246	Each
	66	6669 3895	350 mm CTC	823	1007	Each
	66	6681 0095	150 mm CTC, Cap 00	877	1072	Each

Pulls Pricing

Fasteners for Standard Pull Handles

Pull Handles	Fastener Type	Description	List Price	Unit
All pulls with the exception of those listed below	A	Back-to-Back Fastening	11	set
	B	Through-Bolted Fastening	82	set
	C	Concealed Fastening (Threaded Insert)	82	set
66 6615, 66 6616, 66 6674, 66 6675	A	Back-to-Back Fastening	82	set
	B	Through-Bolted Fastening	114	set
	C	Concealed Fastening (Threaded Insert)	114	set
66 6635	A	Back-to-Back Fastening	45	set
	B	Through-Bolted Fastening	94	set
	C	Concealed Fastening (Threaded Insert)	94	set

Notes : Check FSB catalog for fastener availability for selected door pull
Specify Pull number, finish, mounting type, door material & thickness
Prices are per standard pull (set of fasteners)



Butt Hinges

9101 Series

FSB Butt Hinges

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

FSB hinges are stainless steel, available in two-knuckle and three-knuckle versions that utilize carbon steel and oil-impregnated sintered bronze bearings to minimize wear. FSB stainless steel hinges can be supplied to simulate many of our popular finishes.



Specifying Hinges

9101 Series

Example for Specifying

9101 - 0001 - 6204

Butt Hinge Series

9101

Hinge Type

0001

Insert your choice of the Two- or Three-Knuckle Hinge type.

Two-Knuckle

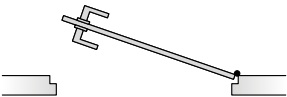
- 0000 (3 ½ × 3 ½" RH)
- 0001 (3 ½ × 3 ½" LH)
- 0002 (4 × 4" RH)
- 0003 (4 × 4" LH)
- 0004 (4 ½ × 4 ½" RH)
- 0005 (4 ½ × 4 ½" LH)
- 0006 (4 ½ × 4" RH)
- 0007 (4 ½ × 4" LH)

Three-Knuckle

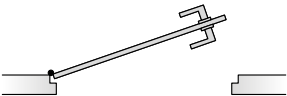
- 0050 (3 ½ × 3 ½")
- 0051 (4 × 4")
- 0052 (4 ½ × 4 ½")
- 0053 (4 ½ × 4")

Handing for Hinges

RH – Right Hand Hinge



LH – Left Hand Hinge



Material and Finish

6204

Insert your choice of finish using one of the four digit codes. Base material for hinges is stainless steel.

Finishes are approximate and finish codes are nearest equivalent.

- 6204 Satin (630)
- 6205 Polished (629)
- 7615 Aged Bronze (703)
- 0105 Aluminum Natural Color (689)
- 0710 Dark Bronze Color (710)
- 8120 Black (671)

All details subject to modification

Two-Knuckle Hinges

Series 9101

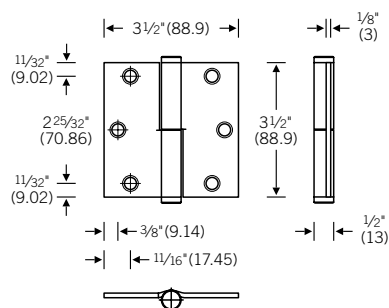
9101 0000 (RH)
9101 0001 (LH)



Two-Knuckle Hinge

3 1/2 × 3 1/2" (88.9 × 88.9 mm)
Minimum door thickness 1 3/8" (35 mm)

9101 0001 pictured below



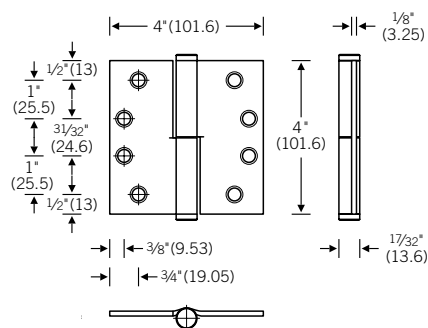
9101 0002 (RH)
9101 0003 (LH)



Two-Knuckle Hinge

4 × 4" (101.6 × 101.6 mm)
Minimum door thickness 1 3/4" (44 mm)

9101 0003 pictured below



RH – Right Hand Hinge

LH – Left Hand Hinge



Base material of all hinges is stainless steel. For all available finishes please refer to page 476.

All details subject to modification

Two-Knuckle Hinges

Series 9101

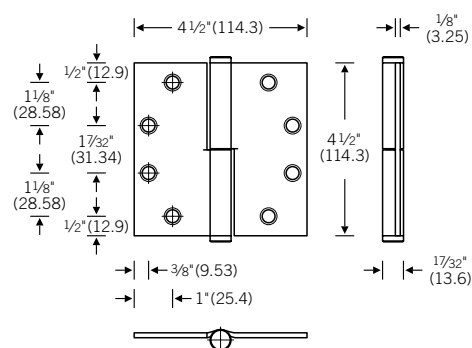
9101 0004 (RH)
9101 0005 (LH)



Two-Knuckle Hinge

4 1/2" x 4 1/2" (114.3 x 114.3 mm)
Minimum door thickness 1 3/4" (44 mm)

9101 0005 pictured below



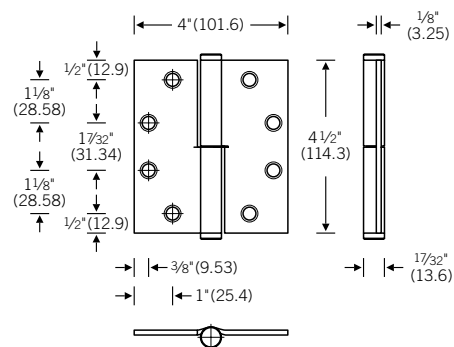
9101 0006 (RH)
9101 0007 (LH)



Two-Knuckle Hinge

4 1/2" x 4" (114.3 x 101.6 mm)
Minimum door thickness 1 3/4" (44 mm)

9101 0007 pictured below



RH – Right Hand Hinge

LH – Left Hand Hinge



Base material of all hinges is stainless steel. For all available finishes please refer to page 476.

Three-Knuckle Hinges

Series 9101

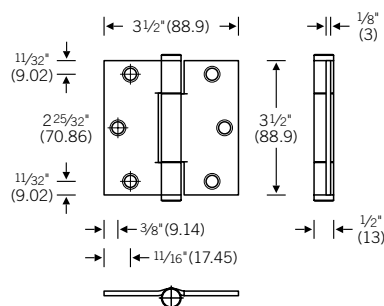
9101 0050



Three-Knuckle Hinge

3 1/2 × 3 1/2" (88.9 × 88.9 mm)

Minimum door thickness 1 3/8" (35 mm)



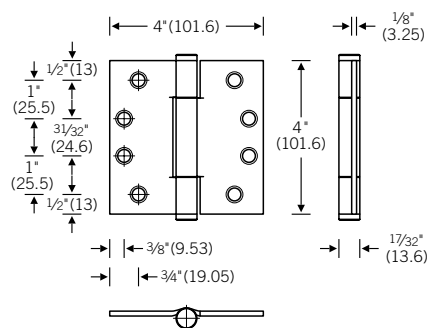
9101 0051



Three-Knuckle Hinge

4 × 4" (101.6 × 101.6 mm)

Minimum door thickness 1 3/4" (44 mm)



Base material of all hinges is stainless steel. For all available finishes please refer to page 476.

All details subject to modification

Three-Knuckle Hinges

Series 9101

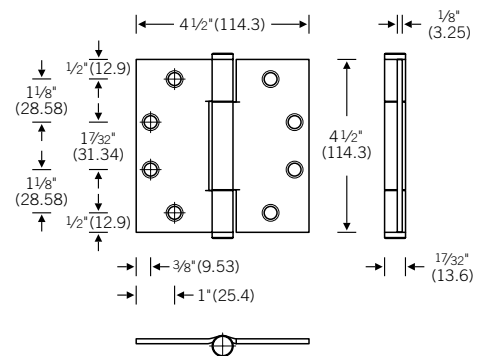
9101 0052



Three-Knuckle Hinge

4 1/2 × 4 1/2" (114.3 × 114.3 mm)

Minimum door thickness 1 3/4" (44 mm)



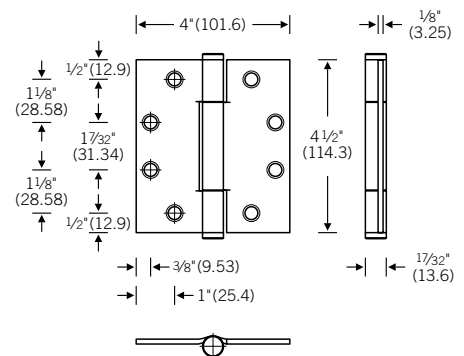
9101 0053



Three-Knuckle Hinge

4 1/2 × 4" (114.3 × 101.6 mm)

Minimum door thickness 1 3/4" (44 mm)



All details subject to modification

Base material of all hinges is stainless steel. For all available finishes please refer to page 476.

Series 9101

Information and Specification

Site/Situation

Serious consideration should be given to the type of door and frame being installed as well as the nature of the building and the door’s specific location. For example, very frequently used doors, in a hospital or school, tend to be put under more arduous stresses than in residential applications. The table to the right shows some estimates of traffic in certain building/locations.

All FSB two- and three-knuckle hinges are swaged and full mortise, for use with all door and frame materials. They are designed for use in high frequency situations, with other specific requirements guiding the appropriate hinge choice.

Frequency of Door Operation

Type of Building and Door	Annual Cycles	FSB Hinges to Use
High frequency		Special Order
Large dept. store entrance	1,500,000	
Large office bldg. entrance	1,200,000	
High frequency		FSB Standard Two- and Three-Knuckle Hinges
School entrance	400,000	
School toilet door	225,000	
Store or bank entrance	150,000	
Office building toilet door	118,000	
Average frequency		
School corridor door	30,000	
Office building corridor door	22,000	
Store toilet door	18,000	
Dwelling entrance	15,000	
Low frequency		
Dwelling toilet door	9,000	
Dwelling corridor door	3,600	
Dwelling closet door	2,200	

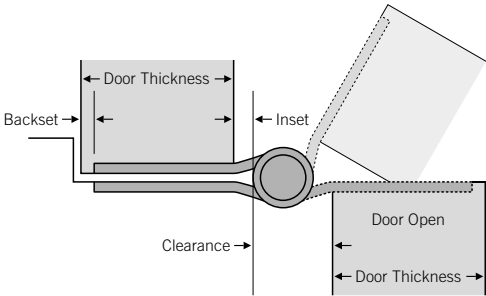
Hinge Size

The size of hinge to be used is determined not only by the weight but also the door size, thickness and any clearances required.

It should be noted that if extra “clearance” is required to allow the door to, for example, swing out and lay flat around any decorative casing then this should be considered in guiding hinge choice.

Guidance on the suitability of individual hinges can be found on the following and product specific pages.

The drawing to the right shows the plan detail of a standard hinge installation.

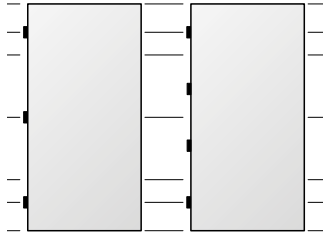


Series 9101

Information and Specification

Number of Hinges

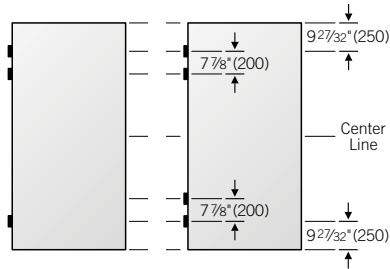
Typically, three hinges are fitted to each door. Hinge positions are determined by the weight of door, its situation and its construction/resistance to warping. The usual positioning is symmetrical, see examples.



Number of Hinges to be used on Standard Doors

Door height	No. hinges
Up to 7'	3 hinges
7' to 10'	4 hinges

Doors over 10' please contact FSB.



For extra heavy doors or doors with a low height to width ratio (see below) the positions should be modified to help account for the increased side loading* placed on the hinges.

*As the door has an eccentric centre of gravity a side loading force is placed on the hinges. This is the force trying to pull the hinges off the door frame.

Note: Two knuckle hinge separates at the midline using a non-removable 1 1/4" pin.

FSB three knuckle hinge does not separate and the pin is fixed.

Hinges for use with Doors of excess width

Wider doors increase the pressure and bending stresses exerted on the hinge. This must be allowed for by reduction in the mass of the door leaf supported by the hinges. The factors by which the door mass has to be adjusted for excessive widths of door are calculated by dividing the door height by its width.

For a factor of two or greater, no allowance has to be made. When the factor is less than two, the door mass has to be increased by the value required to bring the factor to two expressed as a percentage. These percentages are shown in the Side Loading Calculations to the right.

Side Loading Calculation

Door Size		Factor	Normal Increase of Mass of Door Leaf
Door Height	Door Width		
6' 8"	3' 6"	1.90	10 %
6' 8"	4' 0"	1.67	33 %
7' 0"	3' 6"	2.00	0 %
7' 0"	4' 0"	1.75	25 %
7' 6"	4' 0"	1.88	12 %
8' 0"	4' 0"	2.00	0 %

Approximate door construction average weights

The table to the right shows the approximate door weights per area when using various materials.

Example:

A 7'6" x 3'3" "Solid Core" door leaf at 1 3/4" thick will have an approximate weight of 110lb

Door Thickness	1 3/8" (35 mm)		1 3/4" (44 mm)		2" (51 mm)		2 1/8" (54 mm)	
	lbs/ft ²	kg/m ²	lbs/ft ²	kg/m ²	lbs/ft ²	kg/m ²	lbs/ft ²	kg/m ²
Hollow Metal	4	19.5	5	24.4	6 1/2	31.7	7	33.6
Kalamein	—	—	5	24.4	—	—	—	—
Hollow Core	2	9.8	2 1/2	12.2	—	—	—	—
Solid Core	3 1/2	17.0	4 1/2	22.0	5 1/4	25.6	5 1/2	27.1
Mineral Core	3 1/2	17.0	4	19.5	—	—	—	—
Pine (White)	3	14.6	3 1/2	17.0	4	19.5	4 1/4	20.6
Oak	5	24.4	7	34.2	8	39.0	8 1/2	41.3
Ash	4	19.5	5	24.4	6	29.3	6 1/2	31.0
Birch	4 1/4	20.8	5 1/2	26.9	6 1/4	30.5	6 1/2	32.3
Mahogany	3 1/2	17.0	4 1/2	22.0	5 1/4	25.6	5 1/2	27.1

		Number		Description	All Finishes		Unit
					6204	6205	
					0105	0710	
Two-Knuckle Hinges	9101 0000	3 ½ x 3 ½"	Right Hand		126	152	Each
	9101 0001	3 ½ x 3 ½"	Left Hand		126	152	Each
	9101 0002	4 x 4"	Right Hand		139	173	Each
	9101 0003	4 x 4"	Left Hand		139	173	Each
	9101 0004	4 ½ x 4 ½"	Right Hand		161	199	Each
	9101 0005	4 ½ x 4 ½"	Left Hand		161	199	Each
	9101 0006	4 ½ x 4"	Right Hand		161	199	Each
	9101 0007	4 ½ x 4"	Left Hand		161	199	Each
Three-Knuckle Hinges	9101 0050	3 ½ x 3 ½"			109	136	Each
	9101 0051	4 x 4"			126	152	Each
	9101 0052	4 ½ x 4 ½"			139	173	Each
	9101 0053	4 ½ x 4"			139	173	Each

Finishes

Standard Finishes

- 0105 – Natural Color Aluminum (628)
- 0710 – Dark Bronze Color (710)
- 6204 – Satin Stainless Steel (630)
- 6205 – Polished Stainless Steel (629)

Special Order Finishes

- 7615 – Bronze Aged Waxed (615)
- 8120 – Powder Coated Black (671)

Notes: Hinge finishes are all over stainless steel base material. They are prepared to closely match FSB trim. Special finishes require quote and will have extended lead times based on quantity.

All details subject to modification



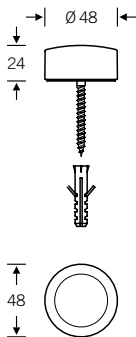


Accessories

- 487 Door Stops
- 489 Accessory Pricing
- 492 Window Handles
- 496 Window Handle Pricing

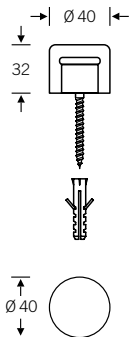
38 3878

Design: Christoph Ingenhoven



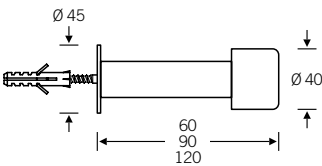
38 3880

38 3880 00001 (Black rubber)



38 3880

38 3880 00002 (120 mm)
38 3880 00003 (90 mm)
38 3880 00004 (60 mm)




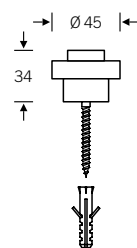
Before placing an order or carrying out any installation, please check the weight of the door leaf, the angle of impact, the height of the bottom edge of the door above the floor and the strength of the floor. Depending on requirements, it is possible to choose between simple


stops, stops with anti-twist capability, stops with baseplates, directional and non-directional stops and stops fitted straight into the floor or those where rawplugs are used.

All details subject to modification

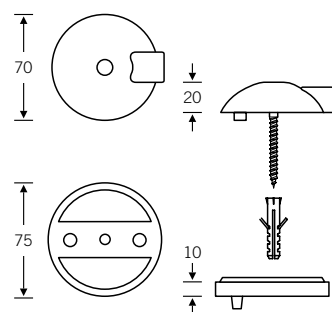
Door Stops

38 3881 



38 3884 

38 3884 00000 (Door stop)
38 3884 00010 (Black baseplate)



Before placing an order or carrying out any installation, please check the weight of the door leaf, the angle of impact, the height of the bottom edge of the door above the floor and the strength of the floor. Depending on requirements, it is possible to choose between simple

stops, stops with anti-twist capability, stops with baseplates, directional and non-directional stops and stops fitted straight into the floor or those where rawlplugs are used.

Cabinet Knobs, Coat Hooks, Door Stops, Kick/Push Plates

Number		Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Door Stops	38 3878 00000	Door Stop	89	109	89	117	Each
	38 3880 00001	Rubber Bumper	-	-	45	-	Each
	38 3880 00002	Door Stop 120 mm	104	127	77	103	Each
	38 3880 00003	Door Stop 90 mm	97	118	69	90	Each
	38 3880 00004	Door Stop 60 mm	97	118	69	90	Each
	38 3881 00000	Door Stop 45 mm	79	98	52	70	Each
	38 3884 00000	Door Stop 70 mm	52	65	52	70	Each
	38 3884 00010	Metal Riser for 3884	-	-	39	-	Each

Anodized Aluminum

0105

0510

0710

0810

Powder Coated

8120

8220

Full list on page 8

Number		Description	Bronze Finishes		Unit
			7615	7625	
Door Stops	38 3878 00000	Door Stop	89	109	Each
	38 3880 00002	Door Stop 120 mm	142	174	Each
	38 3880 00003	Door Stop 90 mm	136	166	Each
	38 3880 00004	Door Stop 60 mm	129	158	Each
	38 3884 00000	Door Stop 70 mm	71	88	Each
	38 3881 00000	Door Stop 70 mm	240	240	Each



All details subject to modification



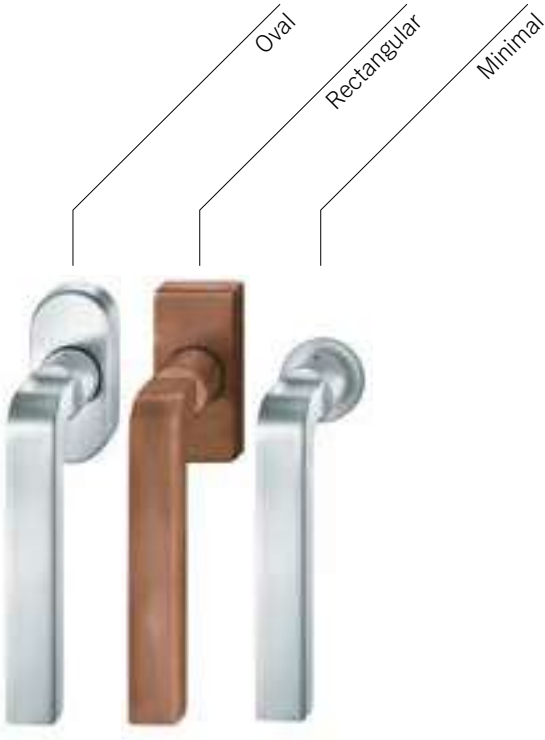
Window Handles

Window Handles

FSB Window Handles are available in either Oval, Rectangular or Minimal trim.

Next to each product number you will find a key of colored boxes detailing which base material that window handle is available in. For example, if a product is available in aluminum you will find a grey colored box to the right of the product number (). After determining the base metal you can then choose which finish fits your design needs and there are 8 different standard aluminum finishes to choose from in that base metal. The 2 Stainless Steel and 2 Bronze finishes are also outlined at the bottom of this page.

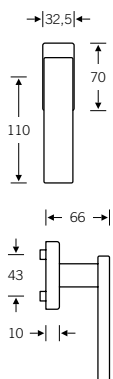
- Stainless Steel
- Bronze
- Aluminum



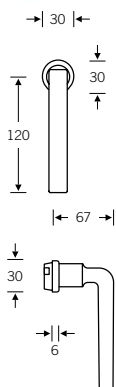
Material	Stainless Steel	Bronze	Aluminum	
Finishes	6204 (630) 6205 (629)	7615 (615) 7625 (613)	0013 0105 (628) 8120 8220	0510 0710 (710) 0810 (711) 8876 8877

Window Handles

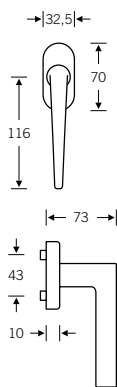
34 1003 
Lever Design 1003



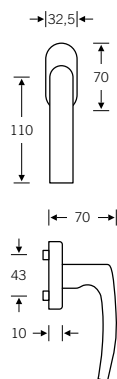
34 1004 
Lever Design 1004



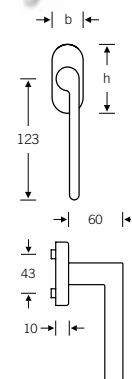
34 1005 
Lever Design 1005



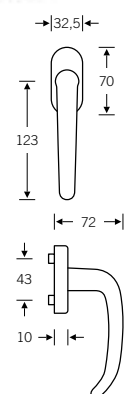
34 1015 
Lever Design 1015



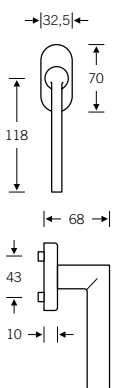
34 1021 
Lever Design 1021



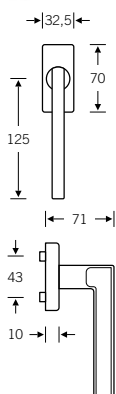
34 1023 
Lever Design 1023



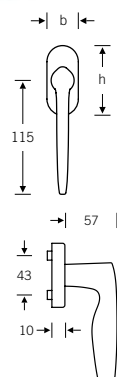
34 1025 
Lever Design 1025



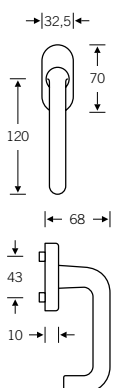
34 1035 
Lever Design 1031 and 1035



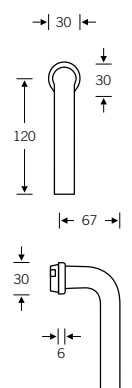
34 1058 
Lever Design 1058



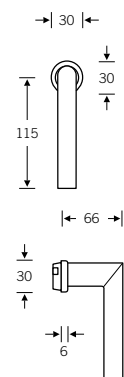
34 1070 
Lever Design 1070




34 1075 
Lever Design 1075

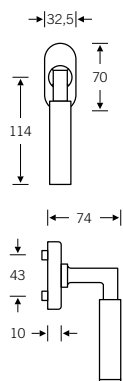


34 1076 
Lever Design 1016 and 1076

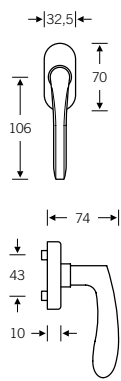


Window Handles

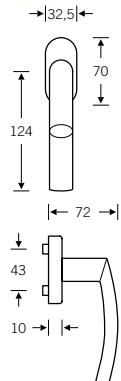
34 1102 *
Lever Design 1102



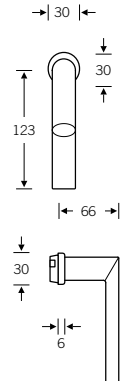
34 1106 
Lever Design 1106



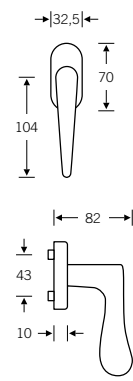
34 1107 
Lever Design 1107



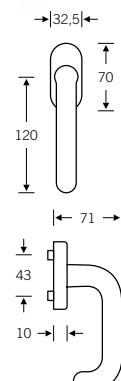
34 1108 
Lever Design 1108



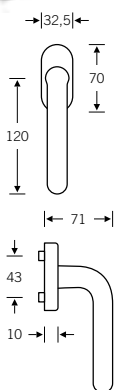
34 1144 
Lever Design 1144



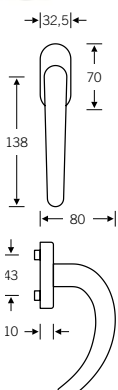
34 1146 
Lever Design 1146



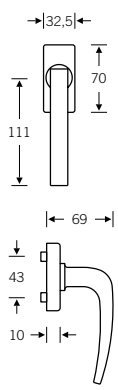
34 1147 
Lever Design 1147



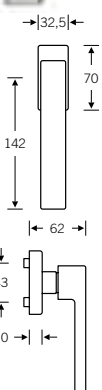
34 1160 
Lever Design 1160



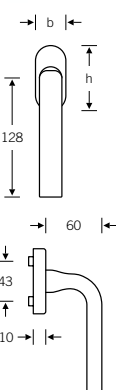
34 1163 
Lever Design 1163



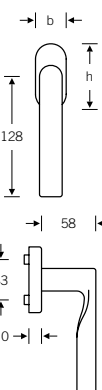
34 1183 
Lever Design 1183



34 1242 
Lever Design 1242



34 1244 
Lever Design 1244

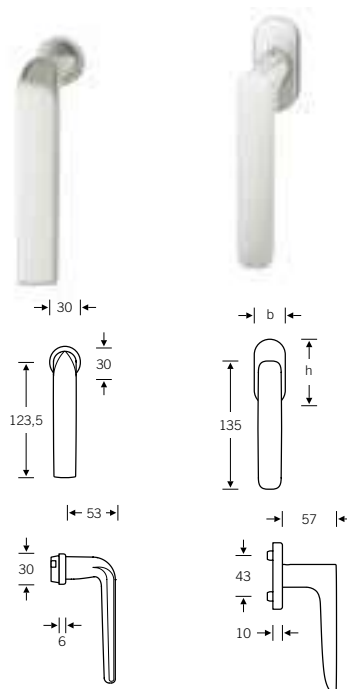


* 34 1102 window handle finish restrictions: Aluminum only available in 0105, Bronze only available in 7615

Window Handles

34 1267 
Lever Design 1267

34 1289 
Lever Design 1289



Notes:

Set screws are visible on the top of window handle shank. Standard spindles are 7mm with 24-38mm projection. M5 screws not included with window handles.

Please include spindle projection requirements on your order. Standard projection is 24-38mm, all available projection lengths listed below:

...24-38 mm =
0 05 0199 00010 5700 (7x65mm)

...39-53 mm =
0 05 0199 00007 5700 (7x80mm)

...54-68 mm =
0 05 0199 00008 5700 (7x95mm)

Window Handles

All FSB Window Handles are available in either oval, rectangular or minimal trim. To specify one of the 3 available trim options when ordering please be sure to use the correct code as shown below.

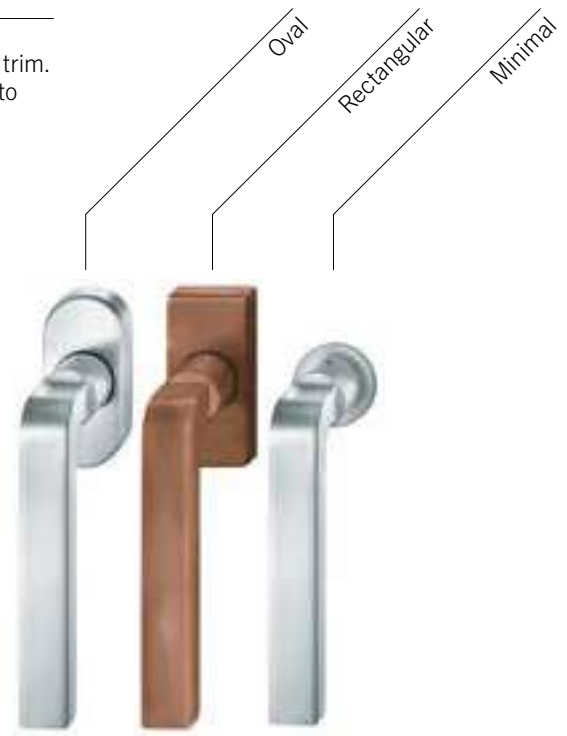
Oval	Rectangular	Minimal
34 xxxx 09039	34 xxxx 09040	34 xxxx 71101
70mm, 32.5mm, 10mm	70mm, 32.5mm, 10mm	30mm, 30mm, 6mm



Notes:

To replace "xxxx" in the part numbers shown above:
 "34" refers to the product group Window Handles,
 "xxxx" refers to the handle design as outlined on the previous pages,
 and finally the last group of numbers signifies your choice of trim (09039 for Oval, 09040 for Rectangular and 71101 for Minimal)

Example, for a Bronze 1004 Handle in 7625 Finish using Oval Trim
 (34 1004 09039 7625)



				Bronze Finishes		Unit
Number		Description		7615	7625	
Window Handles	34	1004 09039	With Oval Trim	483	591	Each
	34	1004 09040	With Rectangular Trim	502	615	Each
	34	1004 71101	With Minimal Trim	483	591	Each
	34	1015 09039	With Oval Trim	341	418	Each
	34	1015 09040	With Rectangular Trim	361	442	Each
	34	1015 71101	With Minimal Trim	341	418	Each
	34	1023 09039	With Oval Trim	304	373	Each
	34	1023 09040	With Rectangular Trim	326	398	Each
	34	1023 71101	With Minimal Trim	304	373	Each
	34	1076 09039	With Oval Trim	425	520	Each
	34	1076 09040	With Rectangular Trim	445	545	Each
	34	1076 71101	With Minimal Trim	425	520	Each
	34	1102 09039	With Oval Trim	560	N/A	Each
	34	1102 09040	With Rectangular Trim	581	N/A	Each
	34	1102 71101	With Minimal Trim	560	N/A	Each
	34	1106 09039	With Oval Trim	341	418	Each
	34	1106 09040	With Rectangular Trim	361	442	Each
	34	1106 71101	With Minimal Trim	341	418	Each
	34	1163 09039	With Oval Trim	485	592	Each
	34	1163 09040	With Rectangular Trim	504	616	Each
	34	1163 71101	With Minimal Trim	485	592	Each

Note: When ordering please specify spindle projection. 24-38 mm is standard.
 For other available lengths see page 495

Window Handles

				Stainless Steel		Aluminum		Unit
Number		Description		6204	6205	0105	All Other Alum.	
Window Handles	34	1003 09039	With Oval Trim	288	337	172	228	Each
	34	1003 09040	With Rectangular Trim	308	377	189	250	Each
	34	1003 71101	With Minimal Trim	275	337	172	228	Each
	34	1004 09039	With Oval Trim	349	427	185	245	Each
	34	1004 09040	With Rectangular Trim	382	467	201	268	Each
	34	1004 71101	With Minimal Trim	349	427	185	245	Each
	34	1005 09039	With Oval Trim	237	290	85	112	Each
	34	1005 09040	With Rectangular Trim	270	331	102	135	Each
	34	1005 71101	With Minimal Trim	237	290	85	112	Each
	34	1015 09039	With Oval Trim	250	304	85	112	Each
	34	1015 09040	With Rectangular Trim	282	345	102	135	Each
	34	1015 71101	With Minimal Trim	250	304	85	112	Each
	34	1021 09039	With Oval Trim	332	406	118	157	Each
	34	1021 09040	With Rectangular Trim	365	446	135	180	Each
	34	1021 71101	With Minimal Trim	332	406	118	157	Each
	34	1023 09039	With Oval Trim	222	271	96	128	Each
	34	1023 09040	With Rectangular Trim	255	312	112	149	Each
	34	1023 71101	With Minimal Trim	222	271	96	128	Each
	34	1025 09039	With Oval Trim	269	330	N/A	N/A	Each
	34	1025 09040	With Rectangular Trim	269	330	N/A	N/A	Each
	34	1025 71101	With Minimal Trim	236	288	N/A	N/A	Each
	34	1035 09039	With Oval Trim	269	330	133	176	Each
	34	1035 09040	With Rectangular Trim	269	330	149	197	Each
	34	1035 71101	With Minimal Trim	236	288	133	176	Each
	34	1058 09039	With Oval Trim	237	290	95	126	Each
	34	1058 09040	With Rectangular Trim	270	331	112	149	Each
	34	1058 71101	With Minimal Trim	237	290	95	126	Each
	34	1070 09039	With Oval Trim	224	275	84	111	Each
	34	1070 09040	With Rectangular Trim	258	315	101	133	Each
	34	1070 71101	With Minimal Trim	224	275	84	111	Each
	34	1075 09039	With Oval Trim	219	268	98	130	Each
	34	1075 09040	With Rectangular Trim	252	307	116	153	Each
	34	1075 71101	With Minimal Trim	219	268	98	130	Each
	34	1076 09039	With Oval Trim	237	290	118	157	Each
	34	1076 09040	With Rectangular Trim	270	331	135	180	Each
	34	1076 71101	With Minimal Trim	237	290	118	157	Each
	34	1093 09039	With Oval Trim	250	304	120	160	Each
	34	1093 09040	With Rectangular Trim	282	345	136	181	Each
	34	1093 71101	With Minimal Trim	250	304	120	160	Each
	34	1102 09039	With Oval Trim	440	538	382	N/A	Each
	34	1102 09040	With Rectangular Trim	473	578	398	N/A	Each
	34	1102 71101	With Minimal Trim	440	538	382	N/A	Each

Note: When ordering please specify spindle projection. 24-38 mm is standard.
For other available lengths see page 495

Window Handles

				Stainless Steel		Aluminum		Unit
Number				6204	6205	0105	All Other Alum.	
Window Handles	34	1106 09039	With Oval Trim	258	315	140	186	Each
	34	1106 09040	With Rectangular Trim	291	357	158	209	Each
	34	1106 71101	With Minimal Trim	258	315	140	186	Each
	34	1107 09039	With Oval Trim	245	300	122	162	Each
	34	1107 09040	With Rectangular Trim	280	342	140	186	Each
	34	1107 71101	With Minimal Trim	245	300	122	162	Each
	34	1108 09039	With Oval Trim	245	300	122	162	Each
	34	1108 09040	With Rectangular Trim	280	342	140	186	Each
	34	1108 71101	With Minimal Trim	245	300	122	162	Each
	34	1144 09039	With Oval Trim	245	300	113	149	Each
	34	1144 09040	With Rectangular Trim	280	342	130	172	Each
	34	1144 71101	With Minimal Trim	245	300	113	149	Each
	34	1146 09039	With Oval Trim	245	300	124	166	Each
	34	1146 09040	With Rectangular Trim	280	342	141	187	Each
	34	1146 71101	With Minimal Trim	245	300	124	166	Each
	34	1147 09039	With Oval Trim	245	300	108	142	Each
	34	1147 09040	With Rectangular Trim	280	342	123	165	Each
	34	1147 71101	With Minimal Trim	245	300	108	142	Each
	34	1160 09039	With Oval Trim	245	300	122	162	Each
	34	1160 09040	With Rectangular Trim	280	342	140	186	Each
	34	1160 71101	With Minimal Trim	245	300	122	162	Each
	34	1163 09039	With Oval Trim	421	514	150	200	Each
	34	1163 09040	With Rectangular Trim	455	557	167	222	Each
	34	1163 71101	With Minimal Trim	421	514	150	200	Each
	34	1183 09039	With Oval Trim	331	404	192	254	Each
	34	1183 09040	With Rectangular Trim	364	445	209	277	Each
	34	1183 71101	With Minimal Trim	331	404	192	254	Each
	34	1244 09039	With Oval Trim	268	327	152	201	Each
	34	1244 09040	With Rectangular Trim	301	368	169	225	Each
	34	1244 71101	With Minimal Trim	268	327	152	201	Each
	34	1251 09039	With Oval Trim	268	327	152	201	Each
	34	1251 09040	With Rectangular Trim	301	368	169	225	Each
	34	1251 71101	With Minimal Trim	268	327	152	201	Each
	34	1267 09039	With Oval Trim	N/A	N/A	100	133	Each
	34	1267 09040	With Rectangular Trim	N/A	N/A	116	154	Each
	34	1267 71101	With Minimal Trim	N/A	N/A	100	133	Each
	34	1285 09039	With Oval Trim	N/A	N/A	122	162	Each
	34	1285 09040	With Rectangular Trim	N/A	N/A	140	186	Each
	34	1285 71101	With Minimal Trim	N/A	N/A	122	162	Each
	34	1289 09039	With Oval Trim	N/A	N/A	122	162	Each
	34	1289 09040	With Rectangular Trim	N/A	N/A	140	186	Each
	34	1289 71101	With Minimal Trim	N/A	N/A	122	162	Each

Note: When ordering please specify spindle projection. 24-38 mm is standard.
For other available lengths see page 495



FSB Parts

501	Levers
503	North American Mortise Lock Trim
503	North American Multi-Point Trim
507	Tubular Lock Trim
513	Deadbolt Trim
517	Mortise Lock Bodies
533	Tubular Latches and Deadbolts
538	Spindles
541	Fasteners and Adaptors
544	Cylinders
546	Keying Charges

Stainless Steel and Aluminum Levers

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Levers	10 1003 xxxxx	Lever Handle	180	220	95	126	Each
	10 1004 xxxxx	Lever Handle	294	360	133	175	Each
	10 1005 xxxxx	Lever Handle	159	194	77	103	Each
	10 1015 xxxxx	Lever Handle	180	220	77	103	Each
	10 1016 xxxxx	Lever Handle	180	220	95	126	Each
	10 1021 xxxxx	Lever Handle	294	360	77	103	Each
	10 1023 xxxxx	Lever Handle	159	194	77	103	Each
	10 1031 xxxxx	Lever Handle	223	272	95	126	Each
	10 1035 xxxxx	Lever Handle	159	194	77	103	Each
	10 1045 xxxxx	Lever Handle	223	272	95	126	Each
	10 1053 xxxxx	Lever Handle	223	272	95	126	Each
	10 1058 xxxxx	Lever Handle	180	220	77	103	Each
	10 1070 xxxxx	Lever Handle	159	194	95	126	Each
	10 1075 xxxxx	Lever Handle	159	194	77	103	Each
	10 1076 xxxxx	Lever Handle	159	194	77	103	Each
	10 1102 xxxxx	Lever Handle	372	456	180	N/A	Each
	10 1106 xxxxx	Lever Handle	180	220	95	126	Each
	10 1107 xxxxx	Lever Handle	159	194	77	103	Each
	10 1108 xxxxx	Lever Handle	159	194	77	103	Each
	10 1134 xxxxx	Lever Handle	372	456	180	238	Each
	10 1144 xxxxx	Lever Handle	180	220	77	103	Each
	10 1146 xxxxx	Lever Handle	159	194	95	126	Each
	10 1147 xxxxx	Lever Handle	159	194	77	103	Each
	10 1163 xxxxx	Lever Handle	372	456	95	126	Each
	10 1183 xxxxx	Lever Handle	223	272	133	175	Each
	10 1242 xxxxx	Lever Handle	225	300	85	130	Each
	10 1244 xxxxx	Lever Handle	223	272	133	175	Each
	10 1267 xxxxx	Lever Handle	210	300	100	130	Each
	10 1289 xxxxx	Lever Handle	N/A	N/A	77	103	Each
	10 1243 xxxx	Lever Handle	330	420	160	205	Each
	10 1245 xxxx	Lever Handle	330	420	180	225	Each
	10 1246 xxxx	Lever Handle	N/A	N/A	105	135	Each
	10 1254 xxxx	Lever Handle	380	510	N/A	N/A	Each
	10 1291 xxxx	Lever Handle	310	400	150	195	Each
	10 1292 xxxx	Lever Handle	310	400	150	195	Each

Notes to replace “xxxx” in the part number:

- 1) SML, NML, HLL Locksets, and Multipoint trim sets, come with set screw on the bottom and therefore are handed.
For left hand, insert 04650 in the part number. (example: 10 1035 04650 6204)
For right hand, insert 04640 in the part number. (example: 10 1035 04640 6204)
- 2) EML come with the set screw on the side and therefore are non-handed.
Insert 04600 in the part number. (example: 10 1035 04600 6204)
- 3) SLL come with the set screw at the lever position and therefore are non-handed.
Insert 04603 in the part number. (example: 10 1035 04603 6204)

All details subject to modification

Levers

Bronze Levers

				Bronze Finishes		Unit
				7615	7625	
Levers	10	1004 xxxxx	Lever Handle	Quote	Quote	Each
	10	1015 xxxxx	Lever Handle	251	307	Each
	10	1023 xxxxx	Lever Handle	236	289	Each
	10	1045 xxxxx	Lever Handle	376	460	Each
	10	1053 xxxxx	Lever Handle	376	460	Each
	10	1076 xxxxx	Lever Handle	376	460	Each
	10	1102 xxxxx	Lever Handle	376	N/A	Each
	10	1106 xxxxx	Lever Handle	251	307	Each
	10	1163 xxxxx	Lever Handle	333	406	Each
	10	1164 xxxxx	Lever Handle	387	474	Each
	10	1267 xxxxx	Lever Handle	374	458	Each
	10	1291 xxxx	Lever Handle	465	465	Each
	10	1292 xxxx	Lever Handle	465	465	Each
	10	1242 xxxx	Lever Handle	500	500	Each

Notes to replace "xxxx" in the part number:

- 1) SML, NML, HLL Locksets, and Multipoint trim sets, come with set screw on the bottom and therefore are handed.
For left hand, insert 04650 in the part number. (example: 10 1035 04650 6204)
For right hand, insert 04640 in the part number. (example: 10 1035 04640 6204)
- 2) EML come with the set screw on the side and therefore are non-handed.
Insert 04600 in the part number. (example: 10 1035 04600 6204)
- 3) SLL come with the set screw at the lever position and therefore are non-handed.
Insert 04603 in the part number. (example: 10 1035 04603 6204)

Mortise Lock Trim

SML, NML, SLL

Parts

					Premium		
		Number	Description		Stainless Steel		Unit
					6204	6205	
Round Roses	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	47	58	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	47	58	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	47	58	Each
	17	1798 02401	RD Lever Passage	ø 65 x 7 mm	77	95	Each
	17	1735 12601	RA/RD Cylinder Ring	ø 55 x 7 mm	37	45	Each
Square Roses	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	69	83	Each
	17	1704 12601	RM Cylinder Ring	ø 55 x 7 mm	62	76	Each
Oval Roses	17	1758 10001	RF Lever Passage Rose	70 x 32.5 x 7 mm	40	49	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	40	49	Each
Cylinder Rings	3	0450 19000	Mortise Cylinder Ring	41.5 x 12.7 mm	43	52	Each
	3	0450 19001	Mortise Cylinder Ring	41.5 x 8 mm	43	52	Each
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	113	137	Each
	17	1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	181	222	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	175	214	Set
	17	1744 09169	RA/RD ADA “D” Thumbturn only	ø 55 x 7 mm	252	308	Each
	17	1744 09159	RA/RD ADA “D” TT with indicator	ø 55 x 7 mm	313	383	Set
	17	1744 09160	RA/RD ADA “D” TT without indicator	ø 55 x 7 mm	307	374	Set
	17	1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	193	260	Each
	17	1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	200	244	Set
	17	1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	194	237	Set
	17	1712 09169	RM ADA “D” Thumbturn only	ø 55 x 7 mm	274	335	Each
	17	1712 09159	RM ADA “D” TT with indicator	ø 55 x 7 mm	334	408	Set
	17	1712 09160	RM ADA “D” TT without indicator	ø 55 x 7 mm	328	400	Set
	3	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	128	155	Each
	3	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	175	215	Set
Escutcheons	14	1410 09100	ED, Lever hole only	245 x 45 x 7 mm	204	265	Each
	14	1410 19101	ED, Lever x CH	245 x 45 x 7 mm	204	265	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	213	277	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	201	262	Each
	14	1410 09113	ED, Lever x ERI	245 x 45 x 7 mm	201	262	Each
	14	1418 09100	EC, Lever hole only	245 x 45 x 7 mm	204	265	Each
	14	1418 19101	EC, Lever x CH	245 x 45 x 7 mm	204	265	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	213	277	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	201	262	Each
	14	1418 09113	EC, Lever x ERI	245 x 45 x 7 mm	201	262	Each

CH = Cylinder Hole

TT = Thumbturn

ER = Emergency Release

ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 3/4"

All finish trim comes with sub-construction and through bolts

North American Multi-Point Trim

					Premium		
					Stainless Steel		Unit
					6204	6205	
Escutcheons	14	1410 09021	Lever Only	245 x 45 x 7 mm	204	265	Each
	14	1410 09023	Cylinder Hole	245 x 45 x 7 mm	204	265	Each
	14	1410 09022	Lever x Thumbturn	245 x 45 x 7 mm	213	277	Each

All details subject to modification

Mortise Lock Trim

SML, NML, SLL

					Premium Bronze		Unit
					7615	7625	
Round Roses	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	51	62	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	51	62	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	51	62	Each
	17	1798 02401	RD Lever Passage	ø 65 x 7 mm	84	103	Each
	17	1735 12601	RA/RD Cylinder Ring	ø 55 x 7 mm	98	121	Each
Square Roses	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	94	115	Each
	17	1704 12601	RM Cylinder Ring	ø 55 x 7 mm	105	129	Each
Oval Roses	17	1758 10001	RF Lever Passage Rose	70 x 32.5 x 7 mm	N/A	N/A	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	N/A	N/A	Each
Cylinder Rings	3	0450 19000	Mortise Cylinder Ring	41.5 x 12.7 mm	N/A	N/A	N/A
	3	0450 19001	Mortise Cylinder Ring	41.5 x 8 mm	N/A	N/A	N/A
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	204	249	Each
	17	1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	274	335	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	268	327	Set
	17	1744 09169	RA/RD ADA "D" Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1744 09159	RA/RD ADA "D" TT with indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1744 09160	RA/RD ADA "D" TT without indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	280	342	Set
	17	1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	274	335	Set
	17	1712 09169	RM ADA "D" Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1712 09159	RM ADA "D" TT with indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1712 09160	RM ADA "D" TT without indicator	ø 55 x 7 mm	N/A	N/A	Set
	3	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	N/A	N/A	Each
	3	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	N/A	N/A	Set
Escutcheons	14	1410 09100	ED, Lever hole only	245 x 45 x 7 mm	296	385	Each
	14	1410 19101	ED, Lever x CH	245 x 45 x 7 mm	313	407	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	348	453	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	333	433	Each
	14	1410 09113	ED, Lever x ERI	245 x 45 x 7 mm	339	440	Each
	14	1418 09100	EC, Lever hole only	245 x 45 x 7 mm	296	385	Each
	14	1418 19101	EC, Lever x CH	245 x 45 x 7 mm	313	407	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	348	453	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	333	433	Each
	14	1418 09113	EC, Lever x ERI	245 x 45 x 7 mm	339	440	Each

CH = Cylinder Hole

TT = Thumbturn

ER = Emergency Release

ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 ¾"

All finish trim comes with sub-construction and through bolts

North American Multi-Point Trim

					Premium Bronze		Unit
					7615	7625	
Escutcheons	14	1410 09021	Lever Only	245 x 45 x 7 mm	273	355	Each
	14	1410 09023	Cylinder Hole	245 x 45 x 7 mm	N/A	N/A	Each
	14	1410 09022	Lever x Thumbturn	245 x 45 x 7 mm	321	396	Each

Mortise Lock Trim

SML, NML, SLL

Parts

					Elements		
Number		Description			Aluminum		Unit
					0105	All Other Alum.	
Round Roses	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	31	41	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	31	41	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	31	41	Each
	17	1798 02401	RD Lever Passage	ø 65 x 7 mm	66	88	Each
	17	1735 12601	RA/RD Cylinder Ring	ø 55 x 7 mm	31	41	Each
Square Roses	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	69	90	Each
	17	1704 12601	RM Cylinder Ring	ø 55 x 7 mm	62	83	Each
Oval Roses	17	1758 10001	RF Lever Passage Rose	70 x 32.5 x 7 mm	27	37	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	27	37	Each
Cylinder Rings	3	0450 19000	Mortise Cylinder Ring	41.5 x 12.7 mm	39	51	Each
	3	0450 19001	Mortise Cylinder Ring	41.5 x 8 mm	39	51	Each
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	88	116	Each
	17	1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	108	142	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	101	134	Set
	17	1744 09169	RA/RD ADA “D” Thumbturn only	ø 55 x 7 mm	139	184	Each
	17	1744 09159	RA/RD ADA “D” TT with indicator	ø 55 x 7 mm	162	216	Set
	17	1744 09160	RA/RD ADA “D” TT without indicator	ø 55 x 7 mm	156	207	Set
	17	1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	152	201	Each
	17	1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	199	263	Set
	17	1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	193	256	Set
	17	1712 09169	RM ADA “D” Thumbturn only	ø 55 x 7 mm	177	233	Each
	17	1712 09159	RM ADA “D” TT with indicator	ø 55 x 7 mm	200	265	Set
	17	1712 09160	RM ADA “D” TT without indicator	ø 55 x 7 mm	194	257	Set
	3	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	95	126	Each
	3	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	129	171	Set
Escutcheons	14	1410 09100	ED, Lever hole only	245 x 45 x 7 mm	160	208	Each
	14	1410 19101	ED, Lever x CH	245 x 45 x 7 mm	184	239	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	197	256	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	166	216	Each
	14	1410 09113	ED, Lever x ERI	245 x 45 x 7 mm	166	216	Each
	14	1418 09100	EC, Lever hole only	245 x 45 x 7 mm	160	208	Each
	14	1418 19101	EC, Lever x CH	245 x 45 x 7 mm	184	239	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	197	256	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	166	216	Each
	14	1418 09113	EC, Lever x ERI	245 x 45 x 7 mm	166	216	Each

CH = Cylinder Hole

TT = Thumbturn

ER = Emergency Release

ERI = Emergency Release with Indicator

Anodized Aluminum

0105

0510

0710

0810

Powder Coated

8120

8220

Full list on page 8

Note: Pricing above based on standard door thickness of 1 3/4"

All finish trim comes with sub-construction and through bolts

North American Multi-Point Trim

					Elements		Unit
Number		Description			Aluminum		
					0105	All Other Alum.	
Escutcheons	14	1410 09021	Lever Only	245 x 45 x 7 mm	160	208	Each
	14	1410 09023	Cylinder Hole	245 x 45 x 7 mm	184	239	Each
	14	1410 09022	Lever x Thumbturn	245 x 45 x 7 mm	197	256	Each

All details subject to modification



Tubular Lock Trim

HLL

Parts

					Premium		Unit
		Number	Description		Stainless Steel		
					6204	6205	
55mm Round	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	47	58	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	47	58	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	47	58	Each
	17	1731 00154	RA Lever Privacy, RH	ø 55 x 7 mm	59	73	Each
	17	1731 00155	RA Lever Privacy, LH	ø 55 x 7 mm	59	73	Each
65mm Round (For 2 1/8" Bore)	17	1798 01401	RD Lever Passage	ø 65 x 7 mm	77	95	Each
	17	1798 09009	RD Blind	ø 65 x 7 mm	77	95	Each
	17	1798 00154	RD Lever Privacy, RH	ø 65 x 7 mm	90	110	Each
	17	1798 00155	RD Lever Privacy, LH	ø 65 x 7 mm	90	110	Each
Square Roses	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	69	83	Each
	17	1703 00154	RM Lever Privacy, RH	ø 55 x 7 mm	96	117	Each
	17	1703 00155	RM Lever Privacy, LH	ø 55 x 7 mm	96	117	Each
65mm Square	17	1797 01401	RS Lever Passage	ø 65 x 7 mm	88	108	Each
	17	1797 00154	RS Lever Privacy, RH	ø 65 x 7 mm	120	147	Each
	17	1797 00155	RS Lever Privacy, LH	ø 65 x 7 mm	120	147	Each
Oval Roses	17	1758 10001	RF Lever Passage	70 x 32.5 x 7 mm	40	49	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	40	49	Each
Escutcheons	14	1410 09100	ED, Lever only	245 x 45 x 7 mm	98	128	Each
	14	1418 09100	EC, Lever only	245 x 45 x 7 mm	98	128	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	160	208	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	133	172	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	160	208	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	133	172	Each
Privacy Pin	3	0450 09148	Privacy Push Pin		24	30	Each

					Premium		Unit
		Number	Description		Bronze		
					7615	7625	
55mm Round	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	51	62	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	51	62	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	51	62	Each
	17	1731 00154	RA Lever Privacy, RH	ø 55 x 7 mm	63	78	Each
	17	1731 00155	RA Lever Privacy, LH	ø 55 x 7 mm	63	78	Each
65mm Round (For 2 1/8" Bore)	17	1798 01401	RD Lever Passage	ø 65 x 7 mm	84	103	Each
	17	1798 09009	RD Blind	ø 65 x 7 mm	84	103	Each
	17	1798 00154	RD Lever Privacy, RH	ø 65 x 7 mm	97	118	Each
	17	1798 00155	RD Lever Privacy, LH	ø 65 x 7 mm	97	118	Each
55mm Square	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	94	115	Each
	17	1703 00154	RM Lever Privacy, RH	ø 55 x 7 mm	107	130	Each
65mm Square	17	1703 00155	RM Lever Privacy, LH	ø 55 x 7 mm	107	130	Each
	17	1797 01401	RS Lever Passage	ø 65 x 7 mm	N/A	N/A	Each
	17	1797 00154	RS Lever Privacy, RH	ø 65 x 7 mm	N/A	N/A	Each
Oval	17	1797 00155	RS Lever Privacy, LH	ø 65 x 7 mm	N/A	N/A	Each
	17	1758 10001	RF Lever Passage	70 x 32.5 x 7 mm	N/A	N/A	Each
Escutcheons	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	N/A	N/A	Each
	14	1410 09100	ED, Lever only	245 x 45 x 7 mm	296	385	Each
	14	1418 09100	EC, Lever only	245 x 45 x 7 mm	296	385	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	348	453	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	333	433	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	348	453	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	333	433	Each
Privacy Pin	3	0450 09148	Privacy Push Pin		26	33	Each

All details subject to modification

Tubular Lock Trim

HLL

					Elements		
Number		Description			Aluminum		Unit
					0105	All Other Alum.	
55mm Round	17	1731 01401	RA Lever Passage	ø 55 x 7 mm	31	41	Each
	17	1731 09008	RA Blind - Through Bolted	ø 55 x 7 mm	31	41	Each
	17	1731 09010	RA Blind - Surface Mounted	ø 55 x 7 mm	31	41	Each
	17	1731 00154	RA Lever Privacy, RH	ø 55 x 7 mm	44	58	Each
	17	1731 00155	RA Lever Privacy, LH	ø 55 x 7 mm	44	58	Each
65mm Round (For 2 1⁄8" Bore)	17	1798 01401	RD Lever Passage	ø 65 x 7 mm	66	88	Each
	17	1798 09009	RD Blind	ø 65 x 7 mm	66	88	Each
	17	1798 00154	RD Lever Privacy, RH	ø 65 x 7 mm	78	104	Each
	17	1798 00155	RD Lever Privacy, LH	ø 65 x 7 mm	78	104	Each
Square Roses	17	1703 01401	RM Lever Passage	ø 55 x 7 mm	69	90	Each
	17	1703 00154	RM Lever Privacy, RH	ø 55 x 7 mm	81	108	Each
	17	1703 00155	RM Lever Privacy, LH	ø 55 x 7 mm	81	108	Each
65mm Square	17	1797 01401	RS Lever Passage	ø 65 x 7 mm	88	116	Each
	17	1797 00154	RS Lever Privacy, RH	ø 65 x 7 mm	120	159	Each
	17	1797 00155	RS Lever Privacy, LH	ø 65 x 7 mm	120	159	Each
Oval Roses	17	1758 10001	RF Lever Passage	70 x 32.5 x 7 mm	27	37	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	27	37	Each
Escutcheons	14	1410 09100	ED, Lever only	245 x 45 x 7 mm	78	102	Each
	14	1418 09100	EC, Lever only	245 x 45 x 7 mm	78	102	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	129	168	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	101	131	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	129	168	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	101	131	Each
Privacy Pin	3	0450 09148	Privacy Push Pin		24	32	Each

CH = Cylinder Hole, TT = Thumbturn, ER = Emergency Release, ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 3/4"
All finish trim comes with sub-construction and through bolts

All details subject to modification

Parts

European Mortise Lock Trim

EML Trim Sets

Parts

					Premium		
		Number	Description		Stainless Steel		Unit
					6204	6205	
Round Roses and Thumbturns	12	1731 00101	RA Lever Passage Set	ø 55x7mm	94	115	Set
	12	1735 00210	RA Cylinder Ring	ø 55x7mm	83	102	Pair
	12	1735 10054	RA Standard TT w/indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	219	269	Set
	12	1735 20054	RA Standard TT w/indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	274	335	Set
	12	1735 30054	RA Standard TT w/indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	274	335	Set
	12	1735 10055	RA Standard TT w/o indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	212	261	Set
	12	1735 20055	RA Standard TT w/o indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	267	326	Set
	12	1735 30055	RA Standard TT w/o indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	267	326	Set
Square Roses and Thumbturns	12	1703 00101	RM Lever Passage Set	ø 55x7mm	136	166	Set
	12	1704 00210	RM Cylinder Ring - PZ	ø 55x7mm	116	142	Pair
	12	1704 10054	RM Standard TT w/indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	252	308	Set
	12	1704 20054	RM Standard TT w/indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	307	374	Set
	12	1704 30054	RM Standard TT w/indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	307	374	Set
	12	1704 10055	RM Standard TT w/o indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	232	284	Set
	12	1704 20055	RM Standard TT w/o indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	286	351	Set
	12	1704 30055	RM Standard TT w/o indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	286	351	Set
Escutcheons	12	1410 02101	ED, Lever hole only	245x45x7mm	204	249	Each
	12	1410 02110	ED, Lever x CH at 72mm	245x45x7mm	204	249	Each
	12	1410 12554	ED Standard TT w/indicator for 1 3⁄8" - 2" DT	245x45x7mm	346	424	Set
	12	1410 22554	ED Standard TT w/indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	400	489	Set
	12	1410 22554	ED Standard TT w/indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	400	489	Set
	12	1410 12555	ED Standard TT w/o indicator 1 3⁄8" - 2" DT	245x45x7mm	340	417	Set
	12	1410 22555	ED Standard TT w/o indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	395	482	Set
	12	1410 32555	ED Standard TT w/o indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	395	482	Set
	14	1418 02101	EC, Lever hole only	245x45x7mm	204	265	Each
	14	1418 02110	EC, Lever x CH	245x45x7mm	204	265	Each
	14	1418 12554	EC Standard TT w/indicator for 1 3⁄8" - 2" DT	245x45x7mm	346	450	Set
	14	1418 22554	EC Standard TT w/indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	400	521	Set
	14	1418 32554	EC Standard TT w/indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	400	521	Set
	14	1418 12555	EC Standard TT w/o indicator 1 3⁄8" - 2" DT	245x45x7mm	340	442	Set
	14	1418 22555	EC Standard TT w/o indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	395	513	Set
	14	1418 32555	EC Standard TT w/o indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	395	513	Set
Visible Fasteners	14	1550 01001	Slim, Lever Hole Only	225x28x8mm	191	248	Each
	14	1550 01010	Slim, Lever x PZ CH (72mm CTC)	225x28x8mm	191	248	Each
Laser Cut	14	1458 00299	Laser Cut - Complete Laser Cut Form	Specify	Quote	Quote	Pair

CH = Cylinder Hole, TT = Thumbturn, ER = Emergency Release, ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 3/4"
All finish trim comes with sub-construction and through bolts

All details subject to modification

European Multi-Point Trim

					Premium		
Number		Description			Stainless Steel		Unit
					6204	6205	
Escutcheons	12	1410 09021	ED, Lever Only	245x45x7mm	204	265	Each
	12	1410 19112	ED, Lever x CH at 92mm	245x45x7mm	204	265	Each
	12	1418 02101	EC, Lever hole only	245x45x7mm	204	265	Each
	12	1418 02110	EC, Lever x CH	245x45x7mm	204	265	Each
	12	1550 01012	Slim, Lever x PZ CH (92mm CTC)	225x28x8mm	191	248	Each

All details subject to modification

European Mortise Lock Trim

EML Trim Sets

Parts

					Premium		
		Number	Description		Bronze		Unit
					7615	7625	
Round Roses and Thumbturns	12	1731 00101	RA Lever Passage	ø 55x7mm	101	123	Set
	12	1735 00210	RA Cylinder Ring	ø 55x7mm	98	121	Each
	12	1735 10054	RA Standard TT w/indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	286	351	Set
	12	1735 20054	RA Standard TT w/indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	340	417	Set
	12	1735 30054	RA Standard TT w/indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	340	417	Set
	12	1735 10055	RA Standard TT w/o indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	280	342	Set
	12	1735 20055	RA Standard TT w/o indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	334	408	Set
	12	1735 30055	RA Standard TT w/o indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	334	408	Set
Square Roses Thumbturns	12	1703 00101	RM Lever Passage	ø 55x7mm	186	227	Set
	12	1704 10054	RM Standard TT w/indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	293	358	Each
	12	1704 20054	RM Standard TT w/indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	346	424	Set
	12	1704 30054	RM Standard TT w/indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	346	424	Set
	12	1704 10055	RM Standard TT w/o indicator Set for 1 3⁄8" - 2" DT	ø 55x7mm	286	351	Set
	12	1704 20055	RM Standard TT w/o indicator Set for 2 1⁄8" - 2 3⁄4" DT	ø 55x7mm	340	417	Set
	12	1704 30055	RM Standard TT w/o indicator Set for 2 7⁄8" - 3 3⁄4" DT	ø 55x7mm	340	417	Set
Escutcheons	12	1410 02101	ED, Lever hole only	245x45x7mm	246	301	Each
	12	1410 02110	ED, Lever x CH at 72mm	245x45x7mm	246	301	Each
	12	1410 12554	ED Standard TT w/indicator for 1 3⁄8" - 2" DT	245x45x7mm	405	495	Set
	12	1410 22554	ED Standard TT w/indicator for 2 1⁄8" - 2 3⁄4" DT	246x45x7mm	460	562	Set
	12	1410 22554	ED Standard TT w/indicator for 2 7⁄8" - 3 3⁄4" DT	247x45x7mm	460	562	Set
	12	1410 12555	ED Standard TT w/o indicator 1 3⁄8" - 2" DT	248x45x7mm	399	488	Set
	12	1410 22555	ED Standard TT w/o indicator for 2 1⁄8" - 2 3⁄4" DT	248x45x7mm	453	553	Set
	12	1410 32555	ED Standard TT w/o indicator for 2 7⁄8" - 3 3⁄4" DT	248x45x7mm	453	553	Set
	14	1418 02101	EC, Lever hole only	245x45x7mm	246	320	Each
	14	1418 02110	EC, Lever x CH	245x45x7mm	246	320	Each
	14	1418 12554	EC Standard TT w/indicator for 1 3⁄8" - 2" DT	245x45x7mm	405	527	Set
	14	1418 22554	EC Standard TT w/indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	460	598	Set
	14	1418 32554	EC Standard TT w/indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	460	598	Set
	14	1418 12555	EC Standard TT w/o indicator 1 3⁄8" - 2" DT	245x45x7mm	399	519	Set
	14	1418 22555	EC Standard TT w/o indicator for 2 1⁄8" - 2 3⁄4" DT	245x45x7mm	453	588	Set
	14	1418 32555	EC Standard TT w/o indicator for 2 7⁄8" - 3 3⁄4" DT	245x45x7mm	453	588	Set

CH = Cylinder Hole, TT = Thumbturn, ER = Emergency Release, ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 3/4"

All finish trim comes with sub-construction and through bolts

All details subject to modification

European Multi-Point Trim

					Premium		Unit
Number		Description		Bronze			
				7615	7625		
Escutcheons	12	1410 09021	ED, Lever Only	245x45x7mm	246	320	Each
	12	1410 19112	ED, Lever x CH at 92mm	245x45x7mm	246	320	Each
	12	1418 01801	EC, Lever hole only	245x45x7mm	246	320	Each
	12	1418 02110	EC, Lever x CH	245x45x7mm	246	320	Each

European Mortise Lock Trim

EML Trim Sets

	Number	Description		Elements		Unit
				Aluminum		
				0105	All Other Alum.	
Round Roses and Thumbturns	12 1731 00101	RA Lever Passage Set	ø 55x7mm	60	81	Set
	12 1735 00210	RA Cylinder Ring	ø 55x7mm	51	68	Each
	12 1735 10054	RA Standard TT w/indicator Set for 1 3/8" - 2" DT	ø 55x7mm	122	162	Set
	12 1735 20054	RA Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	ø 55x7mm	177	233	Set
	12 1735 30054	RA Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	ø 55x7mm	177	233	Set
	12 1735 10055	RA Standard TT w/o indicator Set for 1 3/8" - 2" DT	ø 55x7mm	115	152	Set
	12 1735 20055	RA Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	ø 55x7mm	168	224	Set
	12 1735 30055	RA Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	ø 55x7mm	168	224	Set
Square Roses and Thumbturns	12 1703 00101	RM Lever Passage Set	ø 55x7mm	136	180	Set
	12 1704 00210	RM Cylinder Ring - PZ	ø 55x7mm	116	154	Each
	12 1704 10054	RM Standard TT w/indicator Set for 1 3/8" - 2" DT	ø 55x7mm	227	302	Set
	12 1704 20054	RM Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	ø 55x7mm	281	372	Set
	12 1704 30054	RM Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	ø 55x7mm	281	372	Set
	12 1704 10055	RM Standard TT w/o indicator Set for 1 3/8" - 2" DT	ø 55x7mm	219	291	Set
	12 1704 20055	RM Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	ø 55x7mm	274	364	Set
	12 1704 30055	RM Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	ø 55x7mm	274	364	Set
Escutcheons	12 1410 02101	ED, Lever hole only	245x45x7mm	195	258	Each
	12 1410 02110	ED, Lever x CH at 72mm	245x45x7mm	195	258	Each
	12 1410 12554	ED Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	261	345	Set
	12 1410 22554	ED Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	314	416	Set
	12 1410 22554	ED Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	314	416	Set
	12 1410 12555	ED Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	254	336	Set
	12 1410 22555	ED Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	308	408	Set
	12 1410 32555	ED Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	308	408	Set
	14 1418 02101	EC, Lever hole only	245x45x7mm	195	254	Each
	14 1418 02110	EC, Lever x CH	245x45x7mm	195	254	Each
	14 1418 12554	EC Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	261	339	Set
	14 1418 22554	EC Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	314	408	Set
	14 1418 32554	EC Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	314	408	Set
	14 1418 12555	EC Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	254	330	Set
	14 1418 22555	EC Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	308	400	Set
	14 1418 32555	EC Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	308	400	Set
Visible Fasteners	14 1550 01001	Slim, Lever Hole Only	225x28x8mm	172	223	Each
	14 1550 01010	Slim, Lever x PZ CH (72mm CTC)	225x28x8mm	172	223	Each

CH = Cylinder Hole, TT = Thumbturn

ER = Emergency Release, ERI = Emergency Release with Indicator

Note: Pricing above based on standard door thickness of 1 3/4"

All finish trim comes with sub-construction and through bolts

European Multi-Point Trim

	Number	Description		Elements		Unit
				Aluminum		
				0105	All Other Alum.	
Escutcheons	12 1410 09021	ED, Lever Only	245x45x7mm	195	254	Each
	12 1410 19112	ED, Lever x CH at 92mm	245x45x7mm	195	254	Each
	12 1418 02101	EC, Lever hole only	245x45x7mm	195	254	Each
	12 1418 02110	EC, Lever x CH	245x45x7mm	195	254	Each
	12 1550 01012	Slim, Lever x PZ CH (92mm CTC)	225x28x8mm	172	223	Each

Deadbolt Lock Trim

HDD, MDD Trim Sets

					Premium		
					Stainless Steel		Unit
					6204	6205	
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	113	137	Each
	17	1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	181	222	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	175	214	Set
	17	1744 09169	RA/RD ADA “D” Thumbturn only	ø 55 x 7 mm	252	308	Each
	17	1744 09159	RA/RD ADA “D” TT with indicator	ø 55 x 7 mm	313	383	Set
	17	1744 09160	RA/RD ADA “D” TT without indicator	ø 55 x 7 mm	307	374	Set
	17	1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	200	244	Set
	17	1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	194	237	Set
	17	1712 09169	RM ADA “D” Thumbturn only	ø 55 x 7 mm	274	335	Each
	17	1712 09159	RM ADA “D” TT with indicator	ø 55 x 7 mm	334	408	Set
	17	1712 09160	RM ADA “D” TT without indicator	ø 55 x 7 mm	328	400	Set
	14	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	102	124	Each
	14	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	140	172	Set

					Premium		
		Number	Description		Bronze	7625	Unit
					7615	7625	
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	204	249	Each
	17	1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	274	335	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	268	327	Set
	17	1744 09169	RA/RD ADA "D" Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1744 09159	RA/RD ADA "D" TT with indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1744 09160	RA/RD ADA "D" TT without indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	280	342	Set
	17	1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	274	335	Set
	17	1712 09169	RM ADA "D" Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17	1712 09159	RM ADA "D" TT with indicator	ø 55 x 7 mm	N/A	N/A	Set
	17	1712 09160	RM ADA "D" TT without indicator	ø 55 x 7 mm	N/A	N/A	Set
	14	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	N/A	N/A	Each
	14	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	N/A	N/A	Set

All details subject to modification

Deadbolt Lock Trim

HDD, MDD Trim Sets

				Elements		Unit
Number		Description		Aluminum	All Other Alum.	
Thumbturns	17 1744 00169	RA/RD Standard Thumbturn only	ø 55 x 7 mm	88	116	Each
	17 1744 00159	RA/RD Standard TT with indicator	ø 55 x 7 mm	108	142	Set
	17 1744 00160	RA/RD Standard TT w/o indicator	ø 55 x 7 mm	101	134	Set
	17 1744 09169	RA/RD ADA "D" Thumbturn only	ø 55 x 7 mm	139	184	Each
	17 1744 09159	RA/RD ADA "D" TT with indicator	ø 55 x 7 mm	162	216	Set
	17 1744 09160	RA/RD ADA "D" TT without indicator	ø 55 x 7 mm	156	207	Set
	17 1712 00169	RM Standard Thumbturn only	ø 55 x 7 mm	N/A	N/A	Each
	17 1712 00159	RM Standard TT with indicator	ø 55 x 7 mm	199	263	Set
	17 1712 00160	RM Standard TT without indicator	ø 55 x 7 mm	193	256	Set
	17 1712 09169	RM ADA "D" Thumbturn only	ø 55 x 7 mm	160	212	Each
	17 1712 09159	RM ADA "D" TT with indicator	ø 55 x 7 mm	184	243	Set
	17 1712 09160	RM ADA "D" TT without indicator	ø 55 x 7 mm	178	236	Set
	14 0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	95	126	Each
	14 0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	129	171	Set

All details subject to modification

Deadbolt Lock Trim

KDD Trim Sets

Parts

					Premium Stainless Steel		Unit
Number		Description			6204	6205	
Round Roses	3	0450 09152	LA Round 1 5⁄8 Prep	ø 55 x 14.3 mm	76	92	Each
	3	0450 09153	LD Round 2 1⁄8 Prep	ø 65 x 14.3 mm	95	116	Each
	3	0450 09011	DA Round 1 5⁄8 Prep	ø 55 x 17 mm	91	111	Each
	3	0450 09010	DD Round 2 1⁄8 Prep	ø 65 x 17 mm	122	150	Each
Square Rose	3	0450 09154	LM Square 1 5⁄8 Prep	ø 55 x 14.3 mm	142	174	Each
Thumbturn	3	0450 09012	Fits all Deadbolt Roses	ø 35.2 x 26.5 mm	139	171	Each

					Elements Aluminum		Unit
Number		Description			0105	All Other Alum.	
Round Roses	3	0450 09011	DA Round 1 5⁄8 Prep	ø 55 x 17 mm	82	109	Each
	3	0450 09010	DD Round 2 1⁄8 Prep	ø 65 x 17 mm	95	126	Each
Thumbturn	3	0450 09012	Fits all Deadbolt Roses	ø 35.2 x 26.5 mm	114	150	Each

All details subject to modification

Lock Correlation Table

Lock Body Number	Lockset Function	Lock Code
SML 7100	Active Dummy	SML Y/Z
SML 7122	Store Door	SML A
SML 7124	Dormitory	SML B
	Privacy	SML E
	Patio	SML T
SML 7125	Passage	SML C
SML 7134	Hotel	SML D
SML 7145	Classroom	SML G
SML 7148	Entrance	SML H
SML 7156	Office	SML I
SML 7159	Storeroom	SML J
SML 7159 (EU/EL)	Electrified Storeroom	SML J (EU/EL)
SML 7167	Apartment	SML K
SML 7181	Deadlock	SML N
	Deadlock	SML P
NML 7100	Active Dummy	NML Y/Z
NML 7122	Store Door	NML A
NML 7124	Dormitory	NML B
	Privacy	NML E
	Patio	NML T
NML 7125	Passage	NML C
NML 7145	Classroom	NML G
NML 7148	Entrance	NML H
NML 7156	Office	NML I
NML 7159	Storeroom	NML J
NML 7181	Deadlock	NML N
	Deadlock	NML P
EML 0001	Store Door	EML A
	Dormitory	EML B
EML 0002	Privacy	EML E
EML 0003	Passage	EML C

All details subject to modification

Standard Mortise Lock Series SML

Lock Body and Functions



Parts



Series SML

Standard Mortise Lock Body

Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.
 1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.
 Knob strength available.

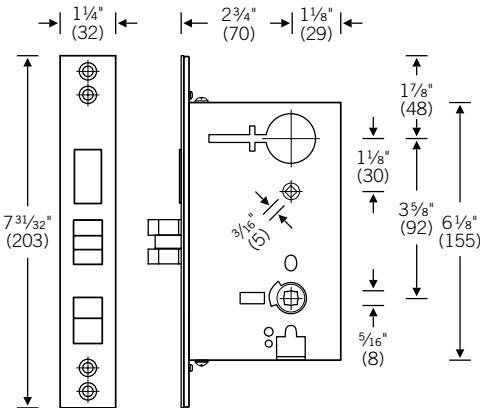
C-UL-US Listing
 File No: R16617

Backsets

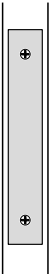
- 2 1/2" (64 mm)
- 2 3/4" (70 mm)
- 3 3/4" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

Lock Body

All SML use the same lock bodies.



SML 7100



Active Dummy Mortise Case Function Y

Active dummy handle either side.

Function Z

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

All details subject to modification

Standard Mortise Lock Series SML

Lock Body and Functions

SML 7122



Store Door, Function A – ANSI Code F14
Latch bolt by handle either side. Deadbolt by key either side.

SML 7124



Dormitory, Function B – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

Privacy, Function E – 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.

Patio, Function T
Latch bolt by handle either side. Deadbolt by thumbturn inside. Outside handle is rigid when deadbolt is thrown by thumbturn. Use of inside handle retracts latch and deadbolt simultaneously.

SML 7125



Passage, Function C – ANSI Code F01
Latch bolt by handle either side.

SML 7134

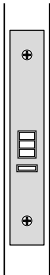


Hotel, Function D – ANSI Code F15
Latch bolt by handle inside and guest or master key outside. Outside handle always rigid. Deadbolt by thumbturn inside and service key only outside. Use of inside handle retracts latch and deadbolt simultaneously. Auxiliary latch deadlocks latch bolt.

Standard Mortise Lock Series SML

Lock Body and Functions

SML 7145



Classroom, Function G – 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.

SML 7148



Entrance, Function H – 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.

SML 7156



Office, Function I – ANSI Code F04
Latch bolt by key outside and handle either side unless outside handle is locked by toggle. Auxiliary latch deadlocks latch bolt.

SML 7159



Storeroom, Function J – ANSI Code F07
Latch bolt by handle inside and key outside. Outside handle always rigid. Auxiliary latch deadlocks latch bolt.

All details subject to modification

Standard Mortise Lock Series SML

Lock Body and Functions

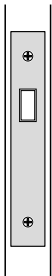
SML 7167



Apartment, Function K – ANSI Code F20

Same as SML 7148 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.

SML 7181



Deadlock

Function N – ANSI Code F16

Deadbolt by key either side.

Function P – ANSI Code F17

Deadbolt by key outside and thumbturn inside.

SML 7159 JEU/JEL

EU = fail secure
EL = fail safe



Electrified Storeroom, Function JEU/JEL

Key outside retracts latch bolt, when outside lever is locked. Outside lever retracts latch bolt except when locked. Outside lever can only be locked with the solenoid. Inside lever always retracts latch bolt. Auxiliary latch deadlocks latch bolt.

EU = Power off, Locks outside lever by solenoid.

EL = Power on, Locks outside lever by solenoid.

Magnetic Mortise Lock Series SML

Lock Body and Functions

Parts



Series SML

Magnetic Mortise Lock Body

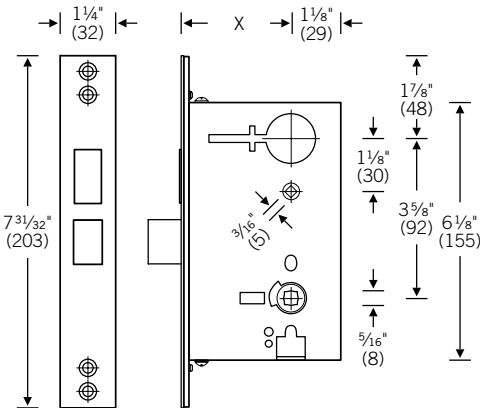
Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.
 1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.
 Knob strength available.

Backsets

- 2 1/2" (64 mm)
- 2 3/4" (70 mm)
- 3 3/4" (95 mm)
- 5" (127 mm)
- 6" (152 mm)

Lock Body

All Magnetic SML use the same lock bodies.



All details subject to modification

Magnetic Mortise Lock Series SML

Lock Body and Functions

SML 7124M

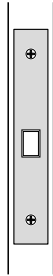


Magnetic Dormitory, Function BM – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

Magnetic Privacy, Function EM – 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.

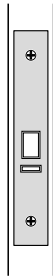
Magnetic Patio, Function TM
Latch bolt by handle either side. Deadbolt by thumbturn inside. Outside handle is rigid when deadbolt is thrown by thumbturn. Use of inside handle retracts latch and deadbolt simultaneously.

SML 7125M



Magnetic Passage, Function CM – ANSI Code F01
Latch bolt by handle either side.

SML 7159M



Magnetic Storeroom, Function JM – ANSI Code F07
Latch bolt by handle inside and key outside. Outside handle always rigid. Auxiliary latch deadlocks latch bolt.

Electrified Mortise Lock Series SML

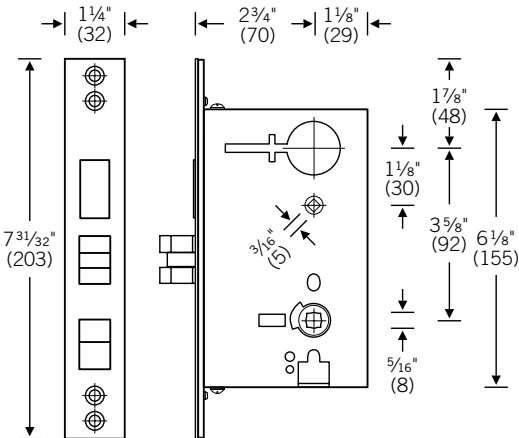
Lock Body and Functions

Parts



Series SML EL or SML EU

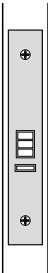
Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.
1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.



SML 7159 EU/EL

**Electrified Storeroom,
JU/JL Function**

EU = fail secure
EL = fail safe



- Solenoid activated mortise lock.
- EL function – Power ON, locks outside lever.
 EU function – Power OFF, unlocks outside lever.
- Key outside retracts latch bolt, when outside lever is locked.
 Outside lever retracts latch bolt except when locked.
- Outside lever can only be locked with the solenoid. Inside lever always retracts latch bolt.
 Auxiliary latch deadlocks latch bolt.
- Monitoring Options**
 RX = Request to Exit Switch (monitors inside handle)
 LM = Latchbolt Monitor Switch (monitors position of latchbolt)
 DS = Door Position Switch (Monitors door via auxiliary latch)

All details subject to modification

Narrow Mortise Lock Series NML

Lock Body and Functions



Series NML

Narrow Mortise Lock

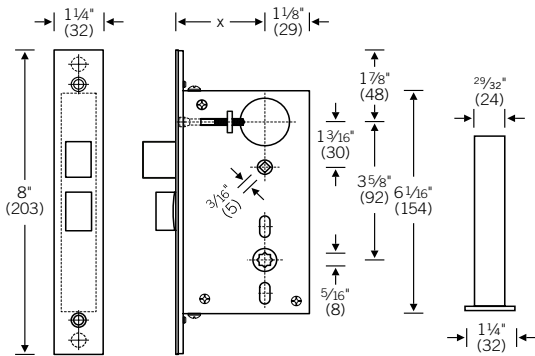
Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.
1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.

Lock Body

All NML use the same lock bodies, and are non-reversible.

Backsets

- 1 1/2" (38 mm)
- 1 3/4" (45 mm)
- 2" (51 mm)
- 2 1/4" (57 mm)



NML 7100

Active Dummy,
Y, Z Functions



Active Dummy Mortise Case Function Y

Active dummy handle either side.

Function Z

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

NML 7122



Store Door, Function A – ANSI Code F14

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

All details subject to modification

Narrow Mortise Lock Series NML

Lock Body and Functions

Parts

NML 7124

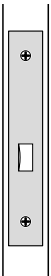


Dormitory, Function B – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

Privacy, Function E – 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.

Patio, Function T
Latch bolt by handle either side. Deadbolt by thumbturn inside. Outside handle is rigid when deadbolt is thrown by thumbturn. Use of inside handle retracts latch and deadbolt simultaneously.

NML 7125



Passage, Function C – ANSI Code F01
Latch bolt by handle either side.

NML 7145



Classroom, Function G – 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.

All details subject to modification

Narrow Mortise Lock Series NML

Lock Body and Functions

NML 7148



Entrance, Function H – 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.

NML 7156



Office, Function I – ANSI Code F04

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

NML 7159



Storeroom, Function J – ANSI Code F07

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

NML 7181



Deadlock

Function N – ANSI Code F16

Deadbolt by key either side.

Function P – ANSI Code F17

Deadbolt by key outside and thumbturn inside.

Magnetic Narrow Mortise Lock Series NML

Lock Body and Functions



Series NML

Magnetic Narrow Mortise Lock Body

Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front.

1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.

Knob strength available.

Backsets

1 1/2" (38 mm)

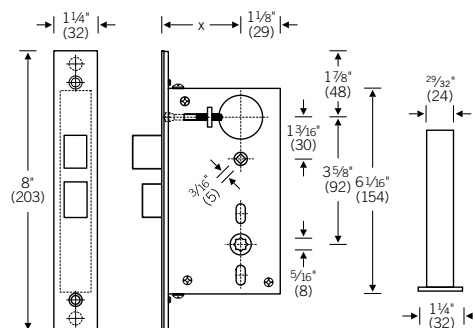
1 3/4" (45 mm)

2 3/4" (51 mm)

2 1/4" (57 mm)

Lock Body

All Magnetic NML use the same lock bodies.



Magnetic Narrow Mortise Lock Series NML

Lock Body and Functions

NML 7124M

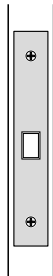


Magnetic Dormitory, Function BM – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

Magnetic Privacy, Function EM – 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.

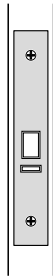
Magnetic Patio, Function TM
Latch bolt by handle either side. Deadbolt by thumbturn inside. Outside handle is rigid when deadbolt is thrown by thumbturn. Use of inside handle retracts latch and deadbolt simultaneously.

NML 7125M



Magnetic Passage, Function CM – ANSI Code F01
Latch bolt by handle either side.

NML 7159M



Magnetic Storeroom, Function JM – ANSI Code F07
Latch bolt by handle inside and key outside. Outside handle always rigid. Auxiliary latch deadlocks latch bolt.

European Mortise Lock Series EML

Lock Body and Functions, Strikes

Parts

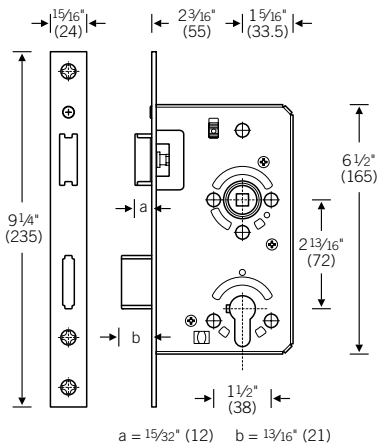


Series EML

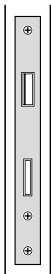
European Mortise Lock

Recommended for minimum 1 3⁄8" (35 mm) door thickness.

EML Mortise lock scalp is only available in Stainless Finish.



EML 0001



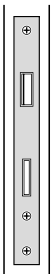
Store Door, Function A

Latch bolt by cylinder and handle either side unless deadbolt is in locked position. Deadbolt by key either side. Activated with key × key European profile cylinder. Lever to thumbturn center-to-center: 2 13⁄16" (72 mm).

Dormitory, Function B

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 × turnpiece European profile cylinder. Lever to thumbturn center-to-center: 2 13⁄16" (72 mm).

EML 0002



Privacy, Function E

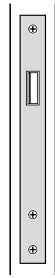
Latch bolt by handle either side unless deadbolt is in locked position. Deadbolt by emergency release outside and thumbturn inside connected by 8 mm spindle on the square. Lever to thumbturn center-to-center: 3 1⁄16" (78 mm).

All details subject to modification

European Mortise Lock Series EML

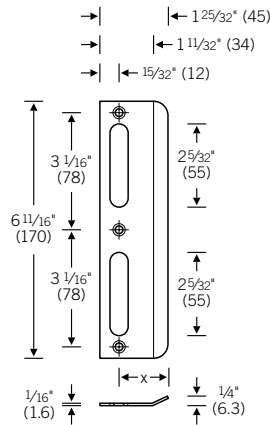
Lock Body and Functions, Strikes

EML 0003



Passage, Function C

Latch bolt by handle either side.



EML 1001

EML Series Mortise Strike without dustbox

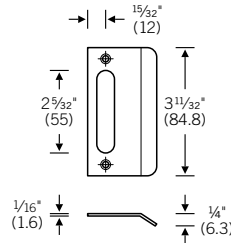
Entry/Privacy Functions

Standard = 1 5/16" (33 mm)

EML 1001 99

EML Series Extended Lip*
Mortise Strike without dustbox

* Identify lip to center (x dimension)
specify mortise strike number



EML 1002

EML Series Mortise Strike without dustbox

Passage Function

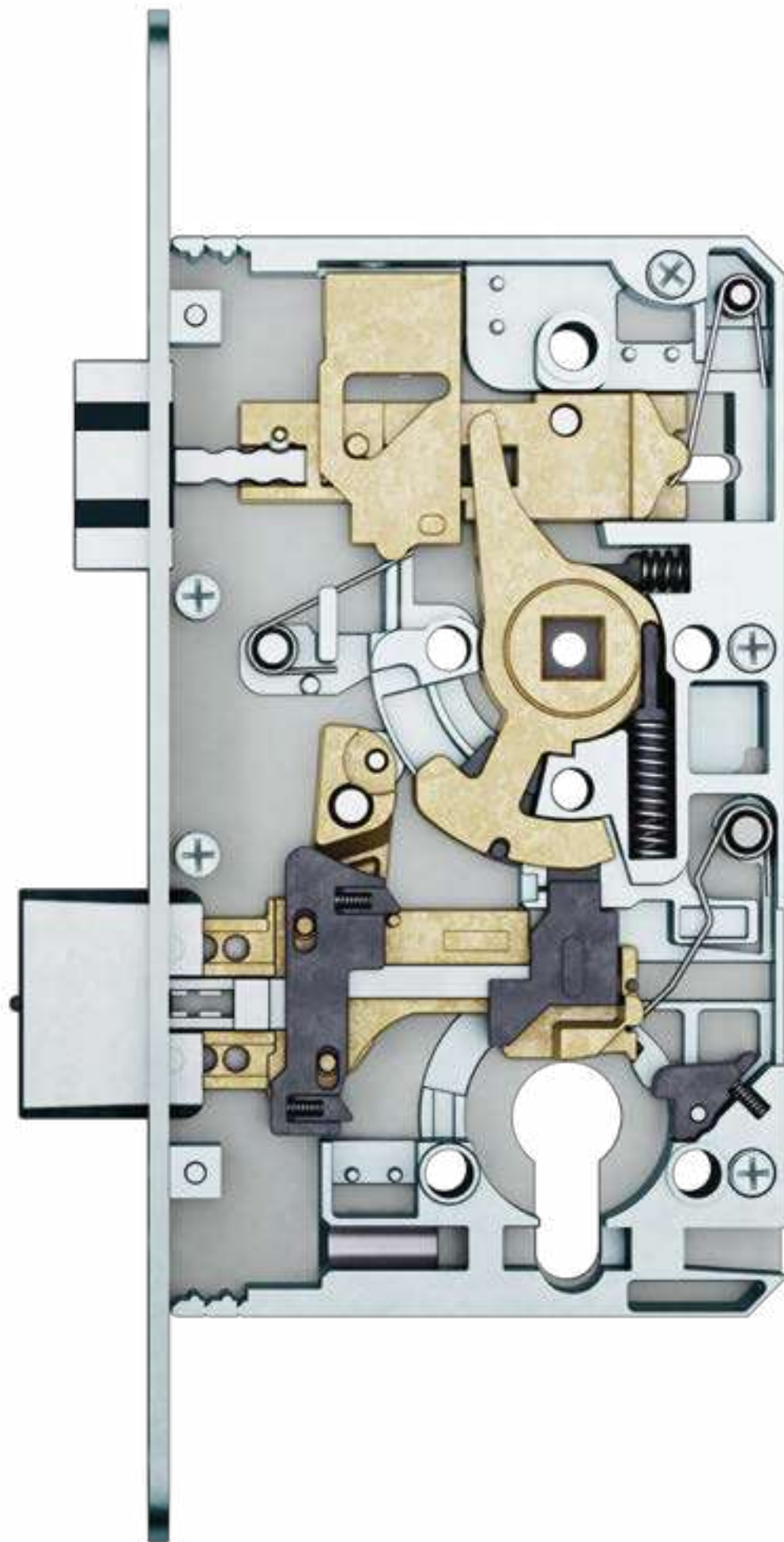
Parts	Descriptions		Unit	Price
Strikes	EML 1001 99	Extended Lip Strike for 2 1/4" - 3 3/4" DT	Each	70
Dust box	EML 2001	Stainless Steel Dust Box (6204)	Each	43
European Mortise Lock Cases	EML 0001	A, B Store Door, Dormitory		120
	EML 0002	E Privacy		120
	EML 0003	C Passage		117
	EML 0004	N, P Deadbolts		117

Note: Prices are for 55 mm backsets

Mortise and Sliding Lock Bodies and Cases

	Number		Function	Description	Stainless	Bronze	Unit
Standard Mortise Lock Body Only for 2¾" Backset 1¾" Door Thickness	SML	7122	A	Store Door	435	472	Each
	SML	7124	B,E,T	Dormitory, Privacy, Patio	435	472	Each
	SML	7124 M	BM,EM,TM	Magnetic Dormitory, Privacy, Patio	1329	-	Each
	SML	7125	C	Passage	354	390	Each
Includes strike, scalp & dust box.	SML	7125 M	CM	Magnetic Passage	1258	-	Each
	SML	7134	D	Hotel	464	500	Each
	SML	7145	G	Classroom	464	500	Each
	SML	7148	H	Entrance	464	500	Each
For options see SML options page.	SML	7156	I	Office	464	500	Each
	SML	7159	J	Storeroom	450	487	Each
	SML	7159 EU	J	Storeroom, Electrified Fail Secure	1467	1503	Each
	SML	7159 EL	J	Storeroom, Electrified Fail Safe	1467	1503	Each
	SML	7159 M	JM	Magnetic Storeroom	969	-	Each
	SML	7167	K	Apartment	509	546	Each
	SML	7181	N,P	Deadbolt Functions	309	345	Each
	SML	7100		Standard Body Prepared as Dummy	361	398	Each
Active Dummy Mounting Case	SML	7100 AS		Standard Body Prepared as a Strike	782	819	Each
Narrow Mortise Lock Body Only Includes strike, scalp & dust box.	NML	7122	A	Store Door	708	744	Each
	NML	7124	B,E,T	Dormitory, Privacy, Patio	708	744	Each
	NML	7124 M	BM,EM,TM	Magnetic Dormitory, Privacy, Patio	1649	-	Each
	NML	7125	C	Passage	517	553	Each
For options see NML options page.	NML	7125 M	CM	Magnetic Passage	1461	-	Each
	NML	7145	G	Classroom	768	803	Each
	NML	7148	H	Entrance	768	803	Each
	NML	7156	I	Office	768	803	Each
	NML	7159	J	Storeroom	708	744	Each
	NML	7159 M	JM	Magnetic Storeroom	1649	-	Each
	NML	7181	N,P	Deadbolt functions	517	553	Each
	NML	7100		Narrow Body Prepared as Dummy	517	553	Each
Active Dummy Mounting Case	NML	7100 AS		Narrow Body Prepared as a Strike	879	916	Each
European Mortise Lock Cases	EML	0001	A,B	Store Door, Dormitory	120	-	Each
	EML	0002	E	Privacy	120	-	Each
	EML	0003	C	Passage	117	-	Each
	EML	0004	N,P	Deadbolts	117	-	Each

Parts	Number			Unit	Price
Lock Case Only	SDL	7001	Sliding Door Lock 2 ½" or 2 ¾" BS	Each	541
	SPL	7002	Sliding Door Lock, Edge Pull, 2 ½" or 2 ¾" BS	Each	584
	SPL	7003	Sliding Door Lock as Strike, 2 ½" or 2 ¾" BS	Each	584
	SLL	7005	Sliding Lever Lock, 2 ½" or 2 ¾" BS	Each	766
European Lock Case Only	ESL	7001	Sliding Door Lock, 55 mm Back Set	Each	228
	EPL	7002	Sliding Door Lock, Edge Pull, 55 mm Back Set	Each	276
	EPL	7003	Sliding Door Lock as Strike, 55 mm Back Set	Each	228



All details subject to modification

Heavy Duty Lever Latch Series HLL

Latch Body and Functions



Series HLL

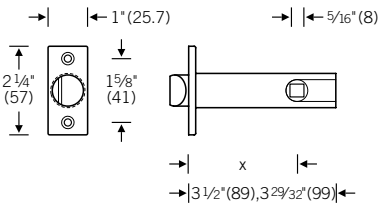
Heavy Duty Lever Latch
Passage and Privacy

Latch

All HLL use the same Latch.

Recommended for minimum 1 3/8" (35 mm) door thickness and maximum 2 1/4" (57 mm) door thickness.

1 1/8" (28.5 mm) Faceplate optional.



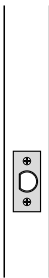
HLL 7230

Passage Latch

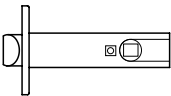
Latch bolt by handle either side.

HLL 7240

Privacy Latch



Latch bolt by handle either side.
Outside handle locked by pushbutton inside. Outside handle unlocked by retracting inside handle, emergency release tool or closing the door.
Supplied with 8 mm hub as shown.



Parts	Numbers	Applications	Price	
			Stainless	Bronze
Tubular Latches (includes strike, scalp & dust box)	HLL 7010	UL Passage Latch	178	213
	HLL 7230	Passage Latch	105	126
	HLL 7240	Privacy Latch	127	152
	HLL 7230 M	Magnetic Passage Latch	209	-
	HLL 7240 M	Magnetic Privacy Latch	213	-
	Note: Specify 2 3/8" or 2 3/4" backset and finish.			
Tubular Strikes	HLL 1001	HLL Strike for Spring Latch	14	17
	HLL 1001 99	T1 - T5 Strike	41	49
	HLL 1001 99	T6 - T11	50	59
	HLL 1002	ANSI HLL Strike T14	31	37
	HLL 1002	ANSI HLL Strikes T12, T13, T15, T16	41	49
	HLL 1002	ANSI HLL Strikes T17 - T22	50	59
	HLL 1003	Full Lip Strike	21	26
Magnetic Strike	HLL 1001M	HLL Strike for Magnetic Latch	-	-

Parts	Numbers	Description	Unit	Price
Stabilizer	03 0450 09151	Used with 160/161 bored lock prep (2 1/8" Diam.)	Each	6
Dust box	HLL 2001	Plastic Dust Box	Each	8

All details subject to modification

HLL Series

Magnetic Tubular Locks



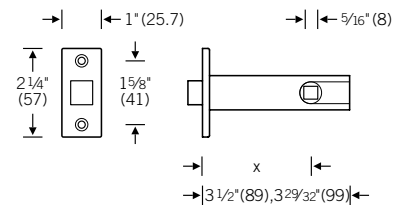
Series HLL

Magnetic Heavy Duty Lever Latch
Passage and Privacy

Magnetic Latch

All Magnetic HLL use the same Latch.

Recommended for minimum 1 3/8" (35 mm) door thickness and maximum 2 1/4" (57 mm) door thickness.



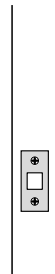
HLL 7230M

Magnetic Passage Latch

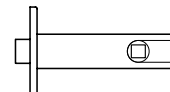
Latch bolt by handle either side.

HLL 7240M

Magnetic Privacy Latch

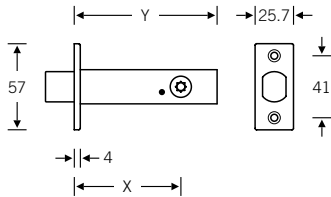


Latch bolt by handle either side.
Outside handle locked by pushbutton
inside. Outside handle unlocked by retract-
ing inside handle, emergency release tool
or closing the door.
Supplied with 8 mm hub as shown.



Deadbolt Series HDD

Deadbolt Body and Functions



HDD 7220

Heavy Duty Privacy Deadbolt

Specifications

Full bolt extension achieved with 135° thumbturn rotation

Deadbolt

All HDD use the same deadbolt.

Backsets

- 2 3⁄8" (60 mm)
- 2 3⁄4" (70 mm)

Strike

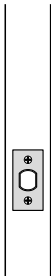
Universal deadbolt strike with dustbox.

Faceplates

- Faceplate width 1" (25.4 mm) standard
- Faceplate width 1 1⁄8" (28.5 mm) optional

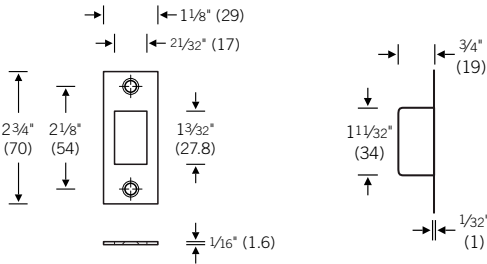
HDD 7220

Privacy Deadbolt



Deadbolt by thumbturn inside, no operation outside.
Or deadbolt by thumbturn inside and emergency release outside.

Strike and Dustbox



HDD 1001

Strike for HDD 7220
(Heavy Duty Privacy Deadbolt)

HLL 2001

Dustbox for HDD 7220
(Heavy Duty Privacy Deadbolt)

All details subject to modification

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	HDD 7220	Heavy Duty Privay Deadbolt	104	124
Strike	HDD 1001	Strike for HDD	17	23
Dustbox	HLL 2001	Dustbox for HDD	8	8

Deadbolt Series MDD

Mini Mortise Deadbolt Body and Functions



MDD 7200

Mini Mortise Deadbolt

Specifications

Full bolt extension achieved with 90° thumbturn rotation

Deadbolt

All MDD use the same deadbolt.

Backsets

2 1/2" (64 mm)

2 3/4" (70 mm)

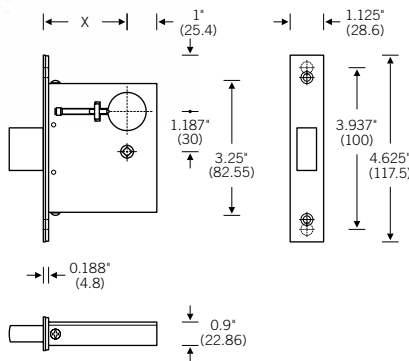
Strike

Mini mortise deadbolt strike with dustbox.

Face Plate

Faceplate width 1 1/4" (31.75 mm) standard

Faceplate width 1" (25.4 mm) optional



MDD 7200

Mini Mortise Deadbolt



Deadbolt by key one side, no operation other side.
Deadbolt by key both sides.
Deadbolt by key outside and thumbturn inside.
Deadbolt by thumbturn one side, no operation other side.
Or deadbolt by thumbturn inside and emergency release outside.

Strike



MDD 1001

Strike for MDD 7200
(Mini Mortise Deadbolt)

All details subject to modification

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	MDD 7200	Keyed Deadbolt	314	-
Strike	MDD 1001	Strike for KDD	27	-

Deadbolt Series KDD

Keyed Deadbolt Body and Functions



KDD 7070

Keyed Deadbolt

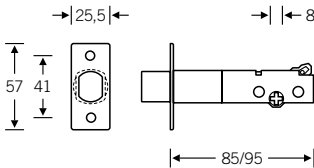
Deadbolt
All KDD use the same deadbolt.

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

Strike
Universal deadbolt strike with dustbox.

Faceplate width 1" (25.4 mm).

Recommended for minimum
1 3/8" (35 mm) door thickness.



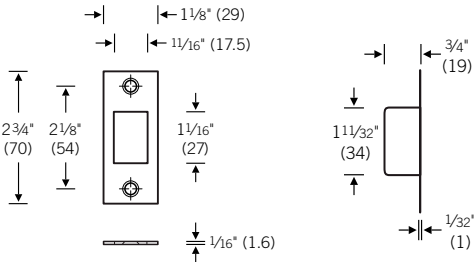
KDD 7070

Keyed Deadbolt



Deadbolt by key either side.
Or deadbolt by key outside and thumbturn inside.

Strike and Dustbox



HDD 1001

Strike for KDD 7070
(Keyed Deadbolt)

HLL 2001

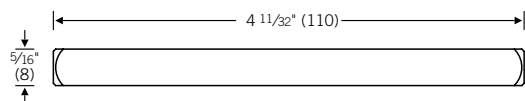
Dustbox for KDD 7070
(Keyed Deadbolt)

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	KDD 7070	Keyed Deadbolt	95	105
Strike	HDD 1001	Strike for KDD	17	23
Dustbox	HLL 2001	Dustbox for KDD	8	-

All details subject to modification

Spindles

05 0553 xxxxx - Kit



0553 10001

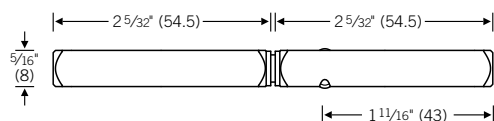
FSB ASL® straight spindle

Straight spindles available for DT (Door Thickness) up to 3 3/4" (95 mm) on request.

05 0553 10001	5/16" × 4 11/32" (8 × 110 mm)	1 3/8"-2" DT
05 0553 10002	5/16" × 5 1/8" (8 × 130 mm)	2 1/8"-2 3/4" DT
05 0553 10003	5/16" × 5 29/32" (8 × 150 mm)	3"-3 3/4" DT

Kits include set screws, through bolts, through bolt caps and spindle.

05 0553 xxxxx - Kit



05 0553 20001

FSB ASL® swivel spindle

Swivel spindles available for DT (Door Thickness) up to 3 3/4" (95 mm) on request.

Standard Swivel Spindles

05 0553 20001	5/16" × 4 11/32" (8 × 110 mm)	1 3/8"-2" DT
05 0553 20002	5/16" × 5 1/8" (8 × 130 mm)	2 1/8"-2 3/4" DT
05 0553 20003	5/16" × 5 29/32" (8 × 150 mm)	3"-3 3/4" DT

Offset Swivel Spindles

05 0553 20012	5/16" × 4 25/32" (8 × 120 mm)	1 1/16"-1" Outside Offset x 1 1/16"-1 3/8" Inside Offset
05 0553 20013	5/16" × 5 3/20" (8 × 130 mm)	1 1/16"-1" Outside Offset x 1 3/8"-1 7/8" Inside Offset
05 0553 20021	5/16" × 4 25/32" (8 × 120 mm)	1 1/16"-1 3/8" Outside Offset x 1 1/16"-1" Inside Offset
05 0553 20023	5/16" × 5 11/20" (8 × 140 mm)	1 1/16"-1 3/8" Outside Offset x 1 3/8"-1 7/8" Inside Offset
05 0553 20031	5/16" × 5 3/20" (8 × 130 mm)	1 3/8"-1 7/8" Outside Offset x 1 1/16"-1" Inside Offset
05 0553 20032	5/16" × 5 11/20" (8 × 140 mm)	1 3/8"-1 7/8" Outside Offset x 1 1/16"-1 3/8" Inside Offset

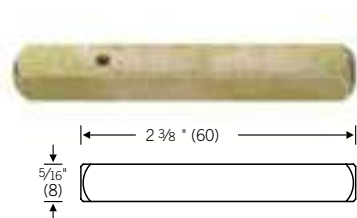
Kits include set screws, through bolts, through bolt caps and spindle.

Spindles

05 0199

FSB ASL® half spindle

05 0199 00004 5700 $\frac{5}{16}$ " x $2\frac{3}{8}$ " (8 x 60 mm)



05 0599

FSB ASL® set screw

05 0599 00073



ASL Lock Spindles

	Number		Description		Price	Unit
Straight Spindles*	05	0553 10001	8 x 110 mm	1 $\frac{3}{8}$ " - 2" Door	19	Each
	05	0553 10002	8 x 130 mm	2 $\frac{1}{8}$ " - 2 $\frac{3}{4}$ " Door	19	Each
	05	0553 10003	8 x 150 mm	3" - 3 $\frac{3}{4}$ " Door	19	Each
Swivel Spindles*	05	0553 20001	8 x 110 mm	1 $\frac{3}{8}$ " - 2" Door	32	Each
	05	0553 20002	8 x 130 mm	2 $\frac{1}{8}$ " - 2 $\frac{3}{4}$ " Door	32	Each
	05	0553 20003	8 x 150 mm	3" - 3 $\frac{3}{4}$ " Door	32	Each
Offset Swivel Spindles*	05	0553 20012	8 x 120 mm	1 $\frac{1}{16}$ " - 1" OS x 1 $\frac{1}{16}$ " - 1 $\frac{3}{8}$ " IS	124	Each
	05	0553 20013	8 x 130 mm	1 $\frac{1}{16}$ " - 1" OS x 1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " IS	124	Each
	05	0553 20021	8 x 120 mm	1 $\frac{1}{16}$ " - 1 $\frac{3}{8}$ " OS x 1 $\frac{1}{16}$ " - 1" IS	124	Each
	05	0553 20023	8 x 140 mm	1 $\frac{1}{16}$ " - 1 $\frac{3}{8}$ " OS x 1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " IS	124	Each
	05	0553 20031	8 x 130 mm	1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " OS x 1 $\frac{1}{16}$ " - 1" IS	124	Each
	05	0553 20032	8 x 140 mm	1 $\frac{3}{8}$ " - 1 $\frac{7}{8}$ " OS x 1 $\frac{1}{16}$ " - 1 $\frac{3}{8}$ " IS	124	Each
Half Spindle	05	0199	8 x 60 mm		12	Each

OS = Outside Offset

IS = Inside Offset

*Kits include set screws, through bolts, through bolt caps and spindle.

Spindles

	Number		Description		Price	Unit
One-Sided Half Spindle	05	0115 00810	8 x 60 mm	Used with EML only	33	Each
	05	0115 00812	8 x 65 mm	Used with EML only	33	Each
	05	0115 00814	8 x 70 mm	Used with EML only	33	Each
	05	0115 00816	8 x 75 mm	Used with EML only	33	Each
	05	0115 00818	8 x 80 mm	Used with EML only	33	Each
Lift & Slide Spindle (10mm)	05	0174 01026	10 x 100 mm		23	Each
	05	0174 01034	10 x 120 mm		23	Each

05 0302

Galvanized Steel Lens Head Tapping Screw



05 0302 04240	$\frac{5}{32}$ " \times $1\frac{19}{32}$ "	(4.2 \times 40 mm)
05 0302 04245	$\frac{5}{32}$ " \times $1\frac{25}{32}$ "	(4.2 \times 45 mm)
05 0302 04250	$\frac{5}{32}$ " \times $1\frac{31}{32}$ "	(4.2 \times 50 mm)
05 0302 04255	$\frac{5}{32}$ " \times $2\frac{3}{16}$ "	(4.2 \times 55 mm)
05 0302 04260	$\frac{5}{32}$ " \times $2\frac{3}{8}$ "	(4.2 \times 60 mm)
05 0302 04265	$\frac{5}{32}$ " \times $2\frac{9}{16}$ "	(4.2 \times 65 mm)
05 0302 04270	$\frac{5}{32}$ " \times $2\frac{3}{4}$ "	(4.2 \times 70 mm)
05 0302 04280	$\frac{5}{32}$ " \times $3\frac{5}{32}$ "	(4.2 \times 80 mm)

05 0303

Cross recessed raised countersunk oval head bolt



05 0303 00515	M5	$\frac{3}{16}$ " \times $1\frac{9}{32}$ "	(15 mm)
05 0303 00535	M5	$\frac{3}{16}$ " \times $1\frac{3}{8}$ "	(35 mm)

05 0308

Cross countersunk head screws
(Does not come with Threaded Insert, see Page 542)



For door thickness

05 0308 00540	M5	$\frac{3}{16}$ " \times $1\frac{19}{32}$ "	$1\frac{3}{8}$ " – 2"
05 0308 00555	M5	$\frac{3}{16}$ " \times $2\frac{3}{16}$ "	$1\frac{27}{32}$ " – $2\frac{7}{32}$ "
05 0308 00560	M5	$\frac{3}{16}$ " \times $2\frac{3}{8}$ "	$2\frac{1}{8}$ " – $2\frac{3}{4}$ "
05 0308 00565	M5	$\frac{3}{16}$ " \times $2\frac{9}{16}$ "	$2\frac{1}{4}$ " – $2\frac{19}{32}$ "
05 0308 00575	M5	$\frac{3}{16}$ " \times $2\frac{15}{16}$ "	$2\frac{5}{8}$ " – 3"
05 0308 00585	M5	$\frac{3}{16}$ " \times $3\frac{11}{32}$ "	$3\frac{1}{32}$ " – $3\frac{3}{4}$ "
05 0308 00595	M5	$\frac{3}{16}$ " \times $3\frac{3}{4}$ "	$3\frac{7}{16}$ " – $3\frac{25}{32}$ "
05 0308 00501	M5	$\frac{3}{16}$ " \times $4\frac{1}{8}$ "	$3\frac{13}{16}$ " – $4\frac{5}{32}$ "

05 0309

Sex bolts with M4 $\frac{5}{32}$ " threaded sleeve nut 0309



	Bolt length	Adjustable between	For door thickness
05 0309 00435	$1\frac{3}{8}$ " (35 mm)	$1\frac{15}{32}$ " – $1\frac{25}{32}$ "	$3\frac{1}{32}$ " – $1\frac{5}{16}$ "
05 0309 00440	$1\frac{19}{32}$ " (40 mm)	$1\frac{21}{32}$ " – $1\frac{31}{32}$ "	$1\frac{3}{16}$ " – $1\frac{1}{2}$ "
05 0309 00445	$1\frac{25}{32}$ " (45 mm)	$1\frac{27}{32}$ " – $2\frac{3}{16}$ "	$1\frac{3}{8}$ " – $1\frac{11}{16}$ "
05 0309 00450	$1\frac{31}{32}$ " (50 mm)	$2\frac{1}{16}$ " – $2\frac{3}{8}$ "	$1\frac{19}{32}$ " – $1\frac{7}{8}$ "
05 0309 00455	$2\frac{3}{16}$ " (55 mm)	$2\frac{1}{4}$ " – $2\frac{9}{16}$ "	$1\frac{25}{32}$ " – $2\frac{3}{32}$ "
05 0309 00460	$2\frac{3}{8}$ " (60 mm)	$2\frac{7}{16}$ " – $2\frac{3}{4}$ "	$1\frac{31}{32}$ " – $2\frac{9}{32}$ "

05 0315

Cross recessed metal screw



03 0315 02916	$\frac{3}{8}$ " \times $\frac{5}{8}$ "	(2.9 \times 16 mm)
03 0315 03916	$\frac{5}{32}$ " \times $\frac{5}{8}$ "	(3.9 \times 16 mm)
03 0315 04219	$\frac{5}{32}$ " \times $\frac{3}{4}$ "	(4.2 \times 19 mm)

Fasteners

05 0316



Threaded Screw for Wood -
for 61 6268 Pulls

M8 Version: 05 0316 00400
Total Length 40 mm
Length of M8 thread 15 mm

05 0319



Dome Nut


Aluminum
05 0319 00800 M8

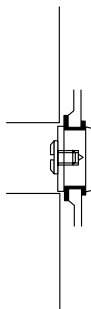
Stainless Steel
05 0319 00800 M8

Screws

	Number		Description	Price	Unit
Lens Head Tapping Screws	05	0302 04240	40 mm	6	Each
	05	0302 04245	45 mm	6	Each
	05	0302 04250	50 mm	6	Each
	05	0302 04255	55 mm	6	Each
	05	0302 04260	60 mm	6	Each
	05	0302 04265	65 mm	6	Each
	05	0302 04270	70 mm	7	Each
	05	0302 04280	80 mm	7	Each
	05	0303 00515	15 mm	6	Each
Countersunk Threaded Bolts	05	0303 00535	35 mm	6	Each
	05	0308 00555	55 mm	6	Each
	05	0308 00565	65 mm	6	Each
	05	0308 00575	75 mm	6	Each
	05	0308 00585	85 mm	6	Each
	05	0308 00595	95 mm	6	Each
	05	0308 00501	105 mm	8	Each
Sex Bolts with M4 Threaded Nut	05	0309 00435	35 mm	7	Each
	05	0309 00440	40 mm	7	Each
	05	0309 00445	45 mm	7	Each
	05	0309 00450	50 mm	7	Each
	05	0309 00455	55 mm	7	Each
	05	0309 00460	60 mm	7	Each
Metal Screws	05	0315 02916	2.9 x 16 mm	2	Each
	05	0315 03916	3.9 x 16 mm	2	Each
	05	0315 04219	4.2 x 19 mm	2	Each
Screw and Nut for 6254, 6268 Pulls	05	0315 00840	Screw M8 40 mm	7	Each
	05	0319 00800	Dome Nut M8	4	Each
M6 Lever Set Screws	05	0599 00073	ASL	5	Each
	05	0402 00601	8 mm	5	Each
	05	0402 00602	9 mm	5	Each
	05	0402 00603	10.5 mm	5	Each
	05	0402 00604	11.5 mm	5	Each

Parts

03 0441 



Blind rose

to blank out the lever handle hole on
escutcheon plates

03 0450

Threaded Insert for use with 05 0308 M5 Screw



03 0450 09147 5700

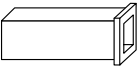
1 1/32" (26 mm)

Miscellaneous Subcomponents

	Number		Description	Price	Unit
Mounting Posts	05	0313 00670	70 mm	13	Each
	05	0313 00680	80 mm	13	Each
	05	0313 00880	80 mm	13	Each
Spindles	03	0442 00050	Spindle with Cap for Single Lever, 75 mm	37	Each
Adaptor Sleeves	05	0425 00809	8 to 9 mm	5	Each
	05	0425 00810	8 to 10 mm	5	Each
	05	0425 00885	8 to 8.5 mm	6	Each
	05	0425 00910	9 to 10 mm	5	Each
	03	0450 09065	8 mm square to 5 mm diamond	5	Each
	03	0450 09170	5 mm diamond spindle to 8 mm square hub	5	Each
Escutcheon Part	03	0441	Blind Cap for Lever Hole	38	Each
Threaded Insert	03	0450	1 1/32" Threaded Insert for M5 Screw	6	Each
Emergency Key	34	3464	Heavy-Duty Release Key for Privacy Rose, 8 mm	33	Each
Alignment Tool	34	0423 09001	Thumbturn Alignment Tool	9	Each
Sub-Constructions	03	0450 09149	For SML, NML, SLL, EML on RA/RD/RM/RS	5	Each
	03	0450 09150	For HLL on RD/RS 2 1/8" bore	7	Each
	03	0450 09161	For EC-ED	6	Each
	03	0450 09162	For EC-ED with Mortise Cylinder	6	Each
1-Sided Disc for Mortise		0423 1000	For 1-Sided Mortise Lock Applications	139	Each

All details subject to modification

05 0425



Adaptor sleeve
for lever handles spindles/lock follower

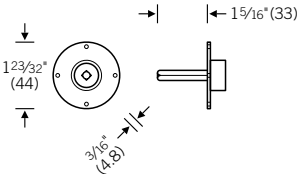
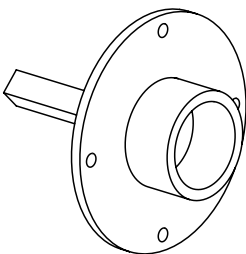
- 05 0425 00809 5/16" on 1 1/32" (8 on 9.0 mm)
- 05 0425 00810 5/16" on 1 3/32" (8 on 10.0 mm)
- 05 0425 00885 5/16" on 1 1/32" (8 on 8.5 mm)
- 05 0425 00910 1 1/32" on 1 3/32" (9 on 10.0 mm)

05 0526



Threaded rivets for metal doors
M5 3/16" x 3 1/32" (25 mm)
To be used with narrow style rose 1758.

0423 9001



Alignment tool
To be used with all FSB Thumbturns and Turn and Release Sets which have a 3/16" (5 mm) diamond spindle.

Proper alignment of the FSB thumbturn subrose over the hub of the mortise lock or tubular latch is critical. Misalignment of the subrose can result in deadbolt malfunction once the thumbturn is snapped in place. To avoid this issue from occurring, please use the thumbturn alignment tool for the appropriate FSB lockset or deadbolt set to mark the locations of the screws before fastening.

All details subject to modification

Cylinders

Standard Cylinders

Number		Description	All Finishes				Unit	
			6204	6205	0105	0710/0810		
Insert	88	8810 0001	Satin Chrome for Multi-Point Escutcheons (KD)	73	N/A	73	N/A	Each
Mortise	88	8806 7165	1" - Supplied with Clover Cam SC19	40	44	40	49	Each
	88	8806 7185	1 1/8" - Supplied with Clover Cam SC19	40	44	40	49	Each
	88	8806 7205	1 1/4" - Supplied with Clover Cam SC19	40	44	40	49	Each
	88	8806 7245	1 1/2" - Supplied with Clover Cam SC19	59	66	59	75	Each
	88	8806 7285	1 3/4" - Supplied with Clover Cam SC19	105	116	105	133	Each
	88	8806 7325	2" - Supplied with Clover Cam SC19	135	145	135	165	Each
Rim		KDD 8834	Single Rim Cylinder - with Tailpiece	60	68	60	76	Each
		KDD 8835	Double Rim Cylinder - with Tailpiece	90	98	90	113	Each

Notes: All cylinders supplied with a "C-Type" keyway
 Cylinders 8834, 8835, and 8810 supplied KD standard. KA available with extra charge.
 Not available master keyed or keyed to other product groups.
 Mortise and Rim Cylinder caps available in US10B, US28, US32, or US32D

European Cylinders

		Number	Description	All Finishes			Unit	
				6204	0105	Other Alum		
Profile (PZ) (KA)	88	8812 0064	Key x Key	64 mm	119	N/A	N/A	Each
	88	8812 0070	Key x Key	70 mm	138	N/A	N/A	Each
	88	8812 0164	Key x Turn	64 mm - Standard Thumbturn	236	222	373	Each
	88	8812 0170	Key x Turn	70 mm - Standard Thumbturn	251	236	387	Each
	88	8812 0230	1/2 Cylinder	30 mm - Standard Thumbturn	201	186	N/A	Each
	88	8812 0235	1/2 Cylinder	35 mm - Standard Thumbturn	208	192	N/A	Each
Profile (PZ) (KD)	88	8812 1064	Key x Key	64 mm	112	N/A	N/A	Each
	88	8812 1070	Key x Key	70 mm	133	N/A	N/A	Each
	88	8812 1164	Key x Turn	64 mm - Standard Thumbturn	230	216	366	Each
	88	8812 1170	Key x Turn	70 mm - Standard Thumbturn	244	230	380	Each
PZ Thumbturn	03	0448 0900	Turnpiece	Thumbturn for PZ Cylinder	95	56	62	Each

Note: All PZ cylinders come with a standard thumbturn in the selected finish.

Mortise Cylinder Cam Details

All FSB standard mortise cylinders are supplied with a clover cam unless being supplied with a complete MNL Lockset.



Lock Type	Lock Series	Clover Leaf Cam	Standard Straight Cam
SML / SLL Standard Mortise Locks Sliding Lever Locks	7100/7000 SML Series Locks All Functions with a Deadbolt (7101, 7102, 7103, 7122, 7124, 7167)	X	
	7100/7000 SML Series Locks All functions without a Deadbolt (7145, 7156, 7159)	X	
NML Narrow Mortise Locks	7100/7000 NML Series Locks All Functions with a Deadbolt (7101, 7102, 7103, 7122, 7124, 7148)	X	
	7100/7000 NML Series Locks All Functions without a Deadbolt (7145, 7156, 7159)	X	
MNL (Old Style) Narrow Mortise Locks	8500/8600 Series Locks		X
MDD Mini Mortise Deadbolts	7200 Series Deadlocks	X	

Clover Leaf Cam Equivalency

Cylinder Manufacturer	Clover Leaf Equivalent
Arrow Interchangeable Core	002
Baldwin	8300-509-EMHT
Best Access Systems	C258
Corbin Conventional	A01
Falcon Conventional	A20069-000-00
Falcon I/C	A12667-011-00
Kaba Ilco	19
Lori Lock	03
Marks	2102-C
Medeco	CT-Zoo
Sargent Conventional	13-0921
Schlage Conventional	B520-233
Schlage I/C	B520-253
Schlage Primus	B520-309

Keying Charges

	Description	Net Price Surcharge	Unit
Standard	Keyed Alike	13	Each
Cylinders (2 cut keys)	Masterkeyed (2 level system)	17	Each
	Grand Masterkeyed (3 level system)	19	Each
	Great Grand Masterkeyed (4 level system)	19	Each
	Construction Masterkeying	Quote only	
	Set up Fee For Grand and Great Grand Systems	86	
Profile (PZ)	Keyed Alike	14	Each
(2 cut keys)	Masterkeyed (2 level system)	18	Each
Keys	Blank Keys	4	Each
	Additional Cut Keys	5	Each
	Stamp Key Symbol on Key	2	Each

Note: All Keying charges are net prices. Discounts do not apply.



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Franz Schneider Brakel
North America

PO Box 504
Wallingford, CT 06492

Tel 203 404 4700
Fax 203 404 4710

www.fsbna.com
info@fsbna.com

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