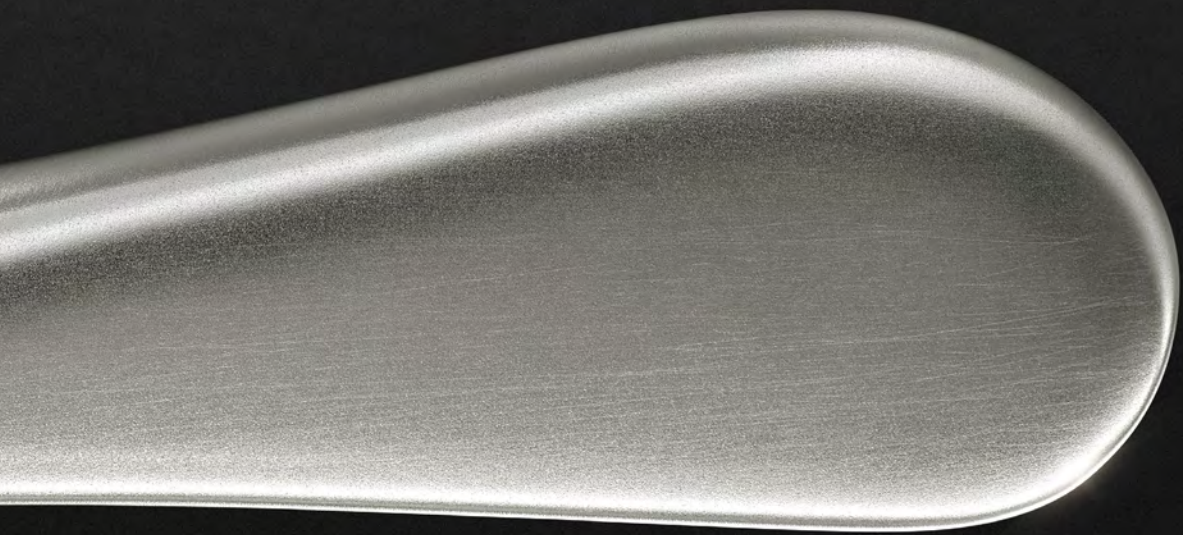


FSB North America Catalog / Price Book

2023 - 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.

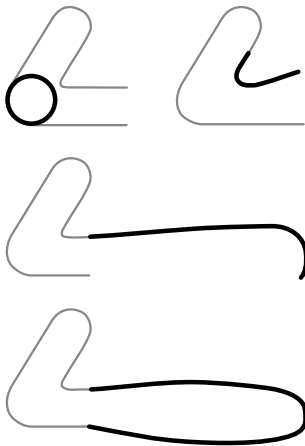
The spirit of Bauhaus was now evident in design from furniture to architecture. Dieter Rams started pulling the (design) strings at Braun and authored products whose styling has now become the blueprint for a Californian company with an apple as its logo.

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

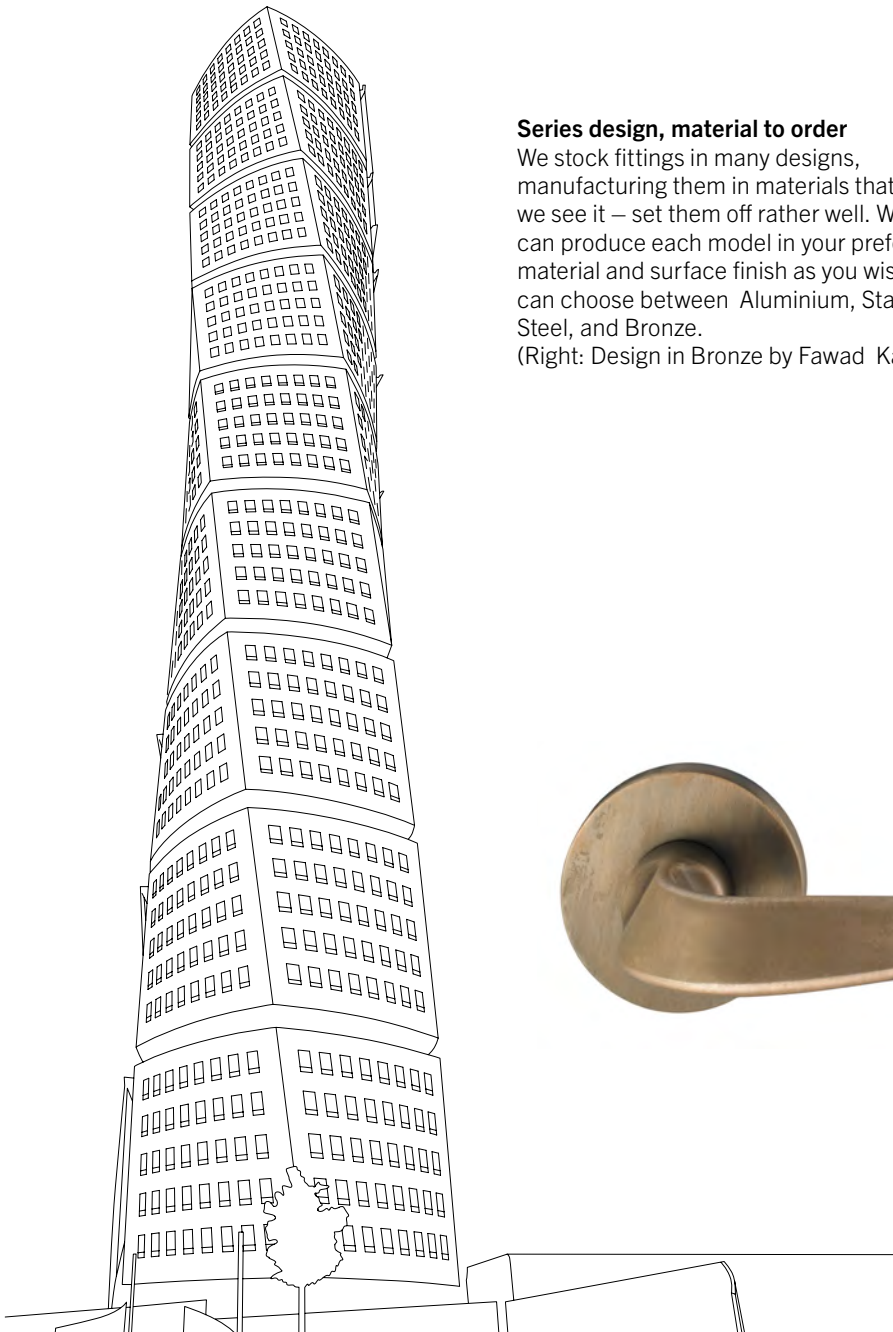
FSB was originally located not in B for Brakel but in Iserlohn where Franz Schneider set up shop in 1881 as a maker of antique-style brass cabinet fittings. Exceedingly modern at the time - our founder was good at catering to prevailing trends: by the turn of the century his product offering already 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)



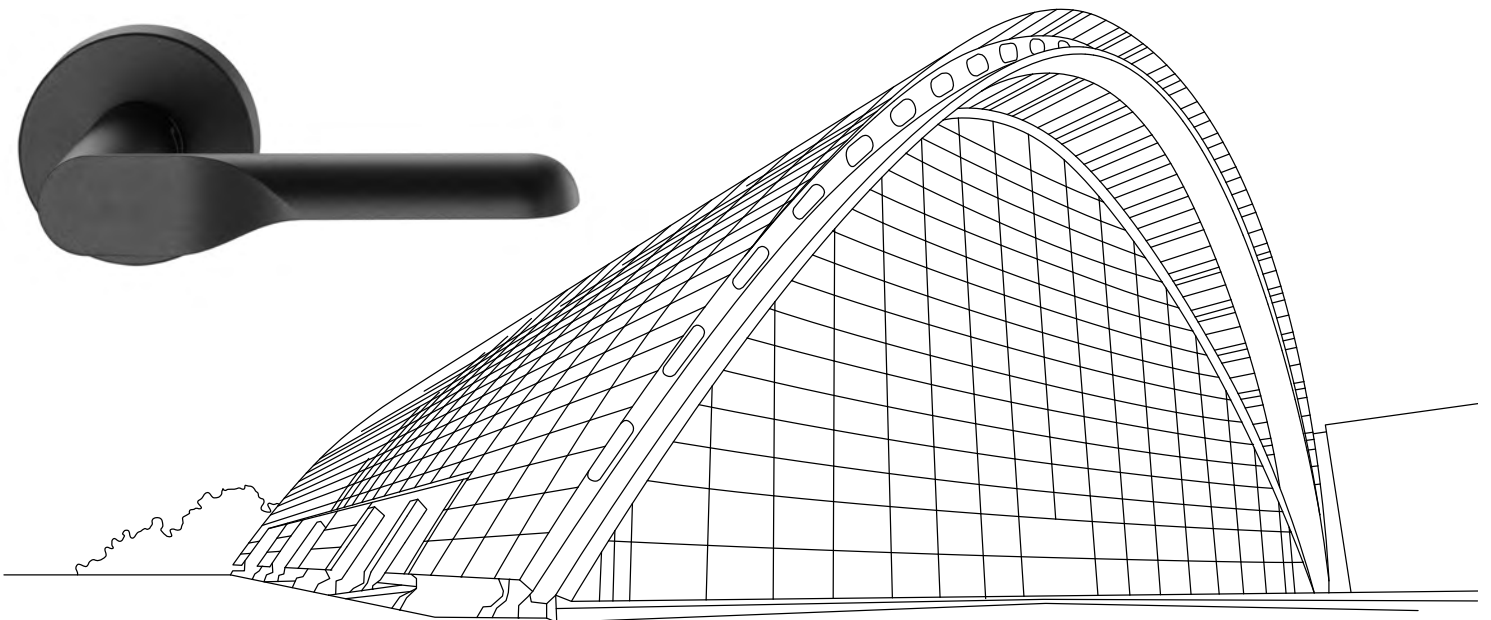
Help shape the FSB range

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. Berlin, 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.

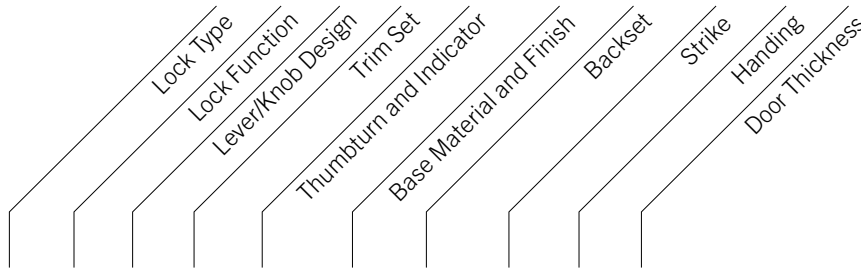
Mechanical Product	Description	Term
SML, NML Mechanical	Mortise Locks	10 years
EML Mechanical	Mortise Locks	5 years
HLL, HDD, KDD Mechanical	Tubular Latches and Dead Bolts	3 years
SDL, SPL, SLL Mechanical	Sliding Door Locks	5 years
ESL, EPL, ESN Mechanical	European Sliding Door Locks	3 years
EGS, EGR, 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.

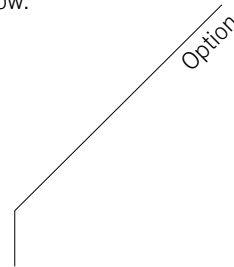
Example: Standard Mortise Lock –SML



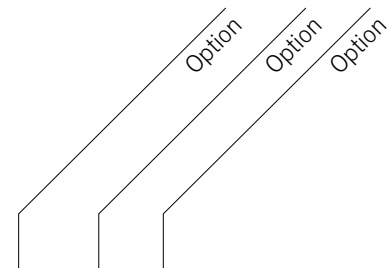
SML-E-1147-RA-SI-6204-234-M1-RH-134

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.

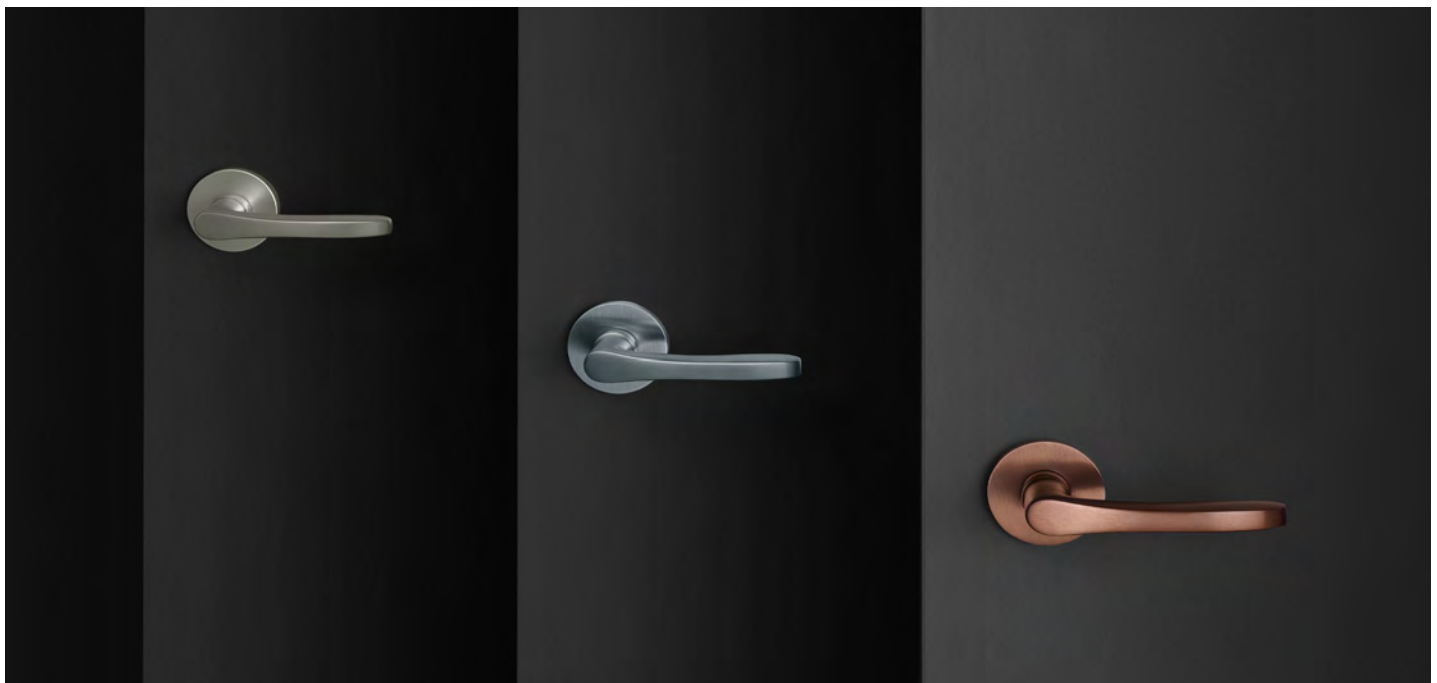
We invite you to contact us if you have special color requirements.

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 Anodized	■ 0105 Natural Color (628)
		■ 0205 Champagne Silver Color
	■ Aluminum Anodized Textured	■ 0410 Bronze Color
		■ 0510 Medium Bronze Color
		■ 0710 Dark Bronze Color (710)
		■ 0810 Black Color (711)
	■ Aluminum Powder Coated	■ 8120 Black (671)
■ 8220 White (714)		



Door Hardware Materials & Finishes Overview

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)



■ **0205**
Champagne Silver Color

Textured Anodized Aluminum



■ **0410**
Bronze Color



■ **0510**
Medium Bronze Color



■ **0710**
Dark Bronze Color
(710)



■ **0810**
Black Color
(711)

Powder Coated Aluminum



■ **8120**
Black
(671)



□ **8220**
White
(714)

Premium Series

■ Stainless Steel

■ **6204**
Satin
(630) [US32D]



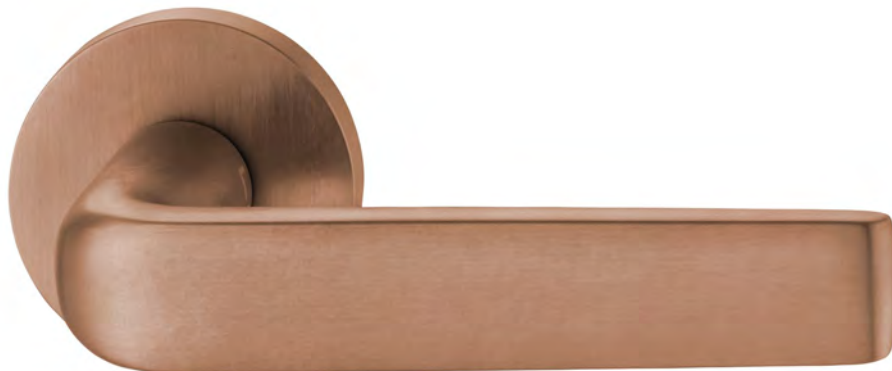
■ **6205**
Polished
(629) [US32]



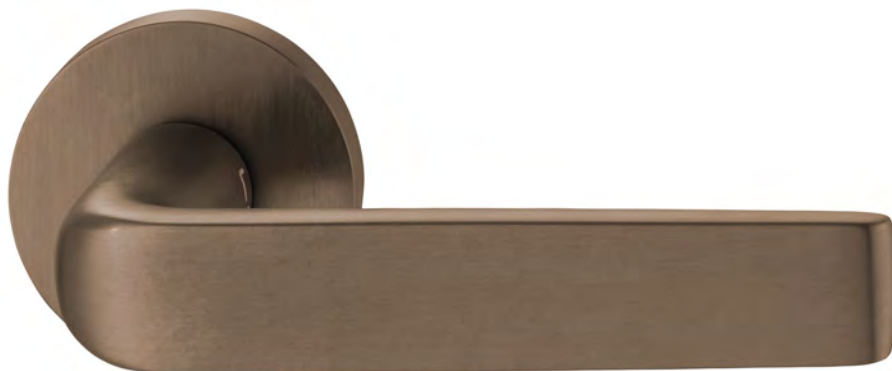
Premium Series

■ Bronze

■ **7615**
Aged, Waxed
(615)



■ **7625**
Dark Oxidized, Waxed
(613) [US10B]



Elements Series

■ Textured Anodized Aluminum

■ **0410**
Bronze Color



■ **0510**
Medium Bronze Color



■ **0710**
Dark Bronze Color
(710)



■ **0810**
Black Color
(711)



Elements Series

■ Anodized Aluminum

■ **0105**
Natural Color
(628)



■ **0205**
Champagne Silver
Color



■ Powder Coated

■ **8120**
Black
(671)



□ **8220**
White
(714)





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).




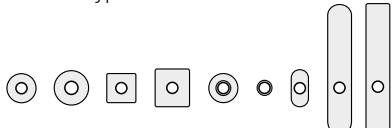












Ⓡ Return Compliant products

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

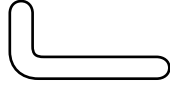
Levers

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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)  0105 (628)  0410	 0205  0510  8120  0710 (710)  8220  0810 (711)	
	 6205 (629)  7625 (613)		

1144   Page 49	1146    Page 50	1147   Page 51	1160    Page 52	1163    Page 53	1164    Page 54
					
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1244   Page 61	1251   Page 62	1267   Page 63	1271   Page 64	1285  Page 65	1289  Page 66
					
























XXXX    
Page XX



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

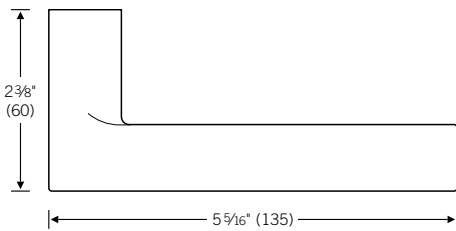
Thumbnail of Lever Design

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	 Stainless Steel  Bronze	 Aluminum	
Finishes	 6204 (630)  7615 (615)  6205 (629)  7625 (613)	 0105 (628)  0410  0205  0510  8120  0710 (710)  8220  0810 (711)	       

Lever Handle 1001



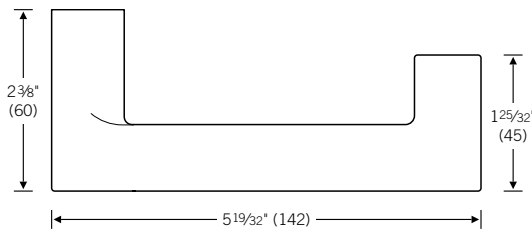
Architect Peter Bastian wanted his handle to be a graceful presence on tall, large doors as well as representing an almost rigid reduction of the geometry. The result is a very accurately made door handle with a square cross-section that fits comfortably into your hand.



Design: Peter Bastian

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		<ul style="list-style-type: none"> ■ Aluminum 	
Finishes		<ul style="list-style-type: none"> <li style="margin-right: 10px;">■ 0105 (628) <li style="margin-right: 10px;">■ 0410 <li style="margin-right: 10px;">■ 0205 <li style="margin-right: 10px;">■ 0510 <li style="margin-right: 10px;">■ 8120 <li style="margin-right: 10px;">■ 0710 (710) <li style="margin-right: 10px;">■ 8220 <li style="margin-right: 10px;">■ 0810 (711) 	

Door handle 1002 is in no way inferior to the original model 1001 designed by Peter Bastian. The only addition is a return, which ensures design consistency.



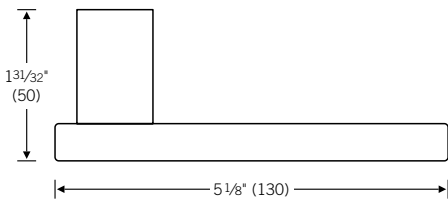
Design: Peter Bastian

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		Aluminum 0105 (628) 0410 0205 0510 8120 0710 (710) 8220 0810 (711)	
Finishes			

Lever Handle 1003



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.

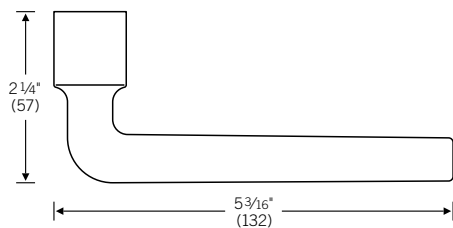


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1004



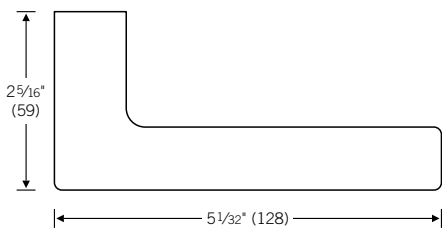
David Chipperfield's design for the FSB 1004 bears the hallmark of the pioneers of modernism. It is based on a clear formal concept which meets all of the functional requirements while giving expression to his formal idea in both public and private spheres.



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) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

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.

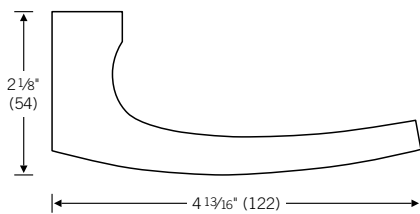


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1015



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) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1016



Fire-rated return with all trim

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.



Pull 66 6514, page 482

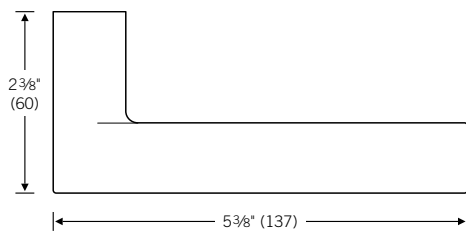


	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Bronze	■ Aluminum		
Finishes	■ 6204 (630) ■ 6205 (629)	■ 7615 (615) ■ 7625 (613)	■ 0105 (628) ■ 0205 ■ 8120 ■ 8220	■ 0410 ■ 0510 ■ 0710 (710) ■ 0810 (711)	

Lever Handle 1021



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.

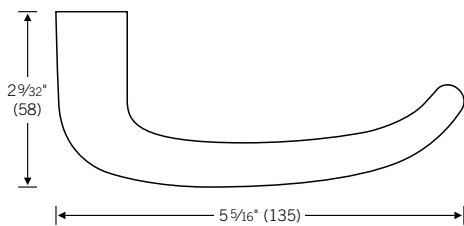


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0205 ■ 8120 ■ 8220 ■ 0410 ■ 0510 ■ 0710 (710) ■ 0810 (711)	

Lever Handle 1023



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.

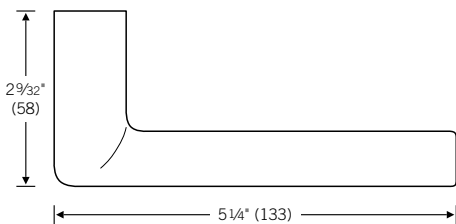


	Premium Series		Elements Series		Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Bronze	■ Aluminum		
Finishes	■ 6204 (630) ■ 6205 (629)	■ 7615 (615) ■ 7625 (613)	■ 0105 (628) ■ 0205 ■ 8120 ■ 8220	■ 0410 ■ 0510 ■ 0710 (710) ■ 0810 (711)	

Lever Handle 1025



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.



Pull 66 6610, page 499



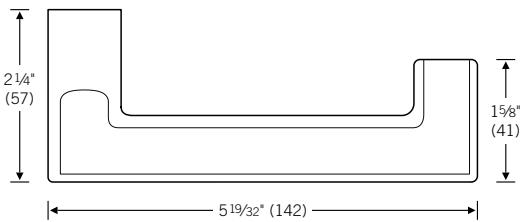
Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 		
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 		

Lever Handle 1031



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.



Pull 66 6540, page 495



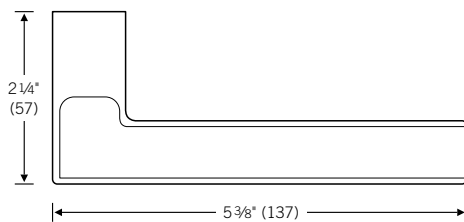
Design: Heike Falkenberg

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1035



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.



Pull 66 6540, page 495



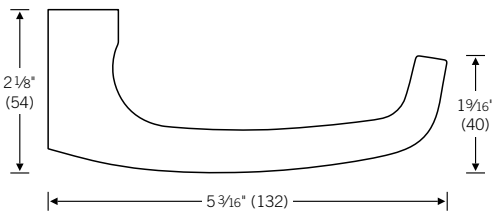
Design: Heike Falkenberg

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1045



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.

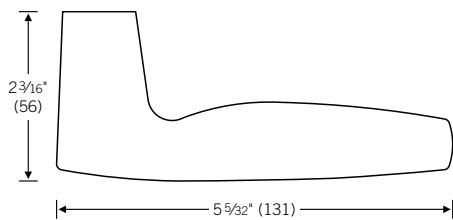


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1051



The FSB 1051 handle has come to epitomise FSB. The “Schneider Handle” became Johannes Potente’s supreme creation and a market leader in the 1960s. It is typified by its harmonised parts carefully shaped to the hand. FSB 1051 is one of four models designed by Johannes Potente which were added to MoMA’s permanent collection in the summer of 1998.

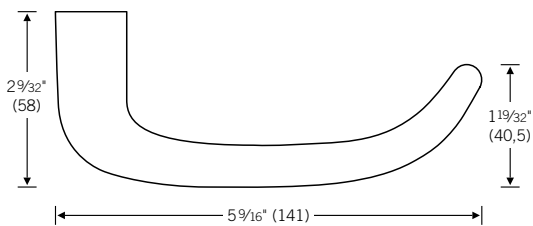


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		<ul style="list-style-type: none"> ■ Aluminum 	
Finishes		<ul style="list-style-type: none"> <li style="margin-right: 10px;">■ 0105 (628) <li style="margin-right: 10px;">■ 0410 <li style="margin-right: 10px;">■ 0205 <li style="margin-right: 10px;">■ 0510 <li style="margin-right: 10px;">■ 8120 <li style="margin-right: 10px;">■ 0710 (710) <li style="margin-right: 10px;">■ 8220 <li style="margin-right: 10px;">■ 0810 (711) 	

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.



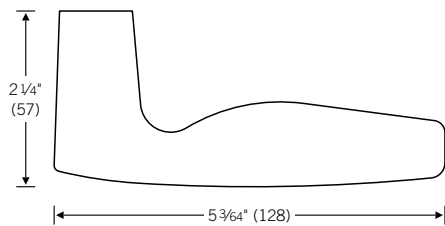
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1058



FSB 1058 was Johannes Potente's favorite model. It is not known why, only two years after designing FSB 1051, his supreme creation, he followed up with this redesign.

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



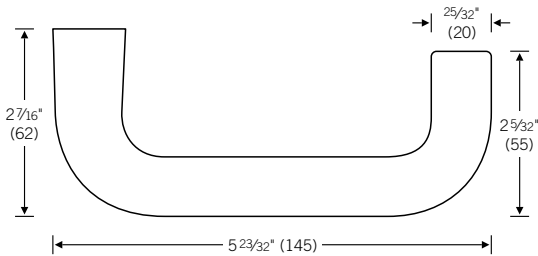
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1070



Fire-rated return with RP trim only

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.



Pull 66 6602, page 501



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1074

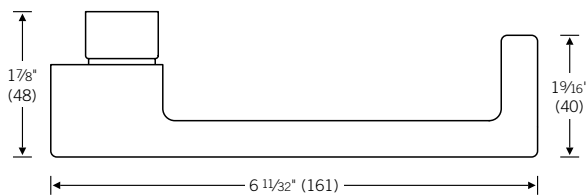


Fire-Rated return with RP trim only

Levers

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.



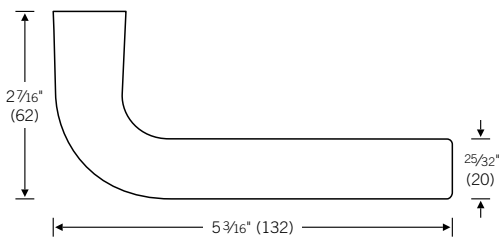
Design: Hadi Teherani

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1075



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.



Pull 66 6602, page 501

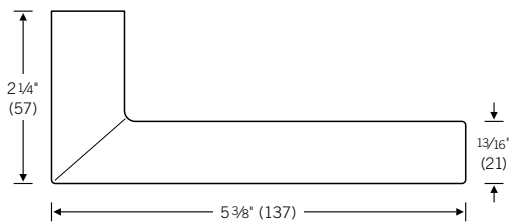


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1076



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.



Pull 66 6669, page 502

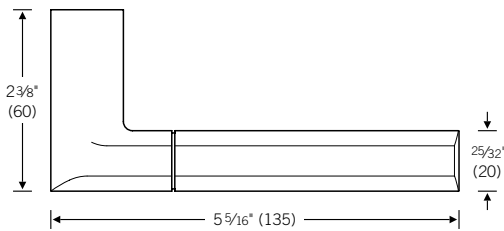


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1078



Christoph Ingenhoven was inspired by the quintessential “classic”, FSB 1076, which he reinterpreted both in the mitring and the grip. The particular attraction of the FSB 1078 is the transition from the round shank to the flat surfaces on the grip. The associated return version complements the open model with a closed design.



Design: Christoph Ingenhoven

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

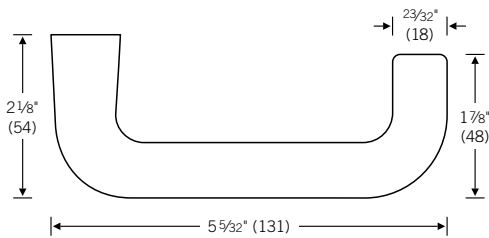
Lever Handle 1080



Fire-rated return with RP trim only

Levers

Most probably designed by some blacksmith way back when hammering steel tubing into the shape of a handle on their anvil. The phrase “stable door handle” has long been common jargon – the end bent back towards the door was presumably intended to prevent bridles from snagging.



Pull 66 6602, page 501

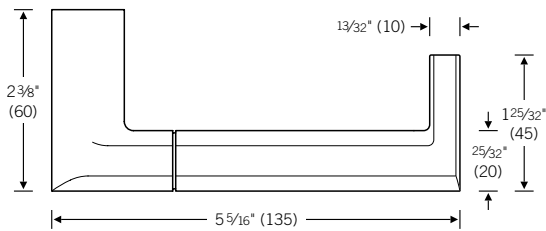


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1088



Door handle model 1078 by Christoph Ingenhoven is now complemented by return version 1088, which features a closed design.



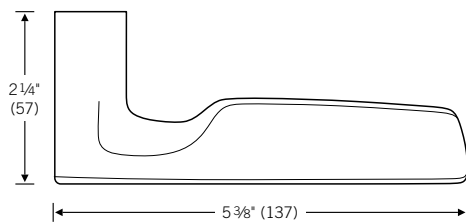
Design: Christoph Ingenhoven

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1093



Helmut Jahn and Yorgo Lykouria approached handle design without any preconceptions whatsoever. They freed their minds from the constraints of industrial production processes and sought a shape that combines geometrical elements with ergonomic needs. The result is a genuine innovation for a hand-held shape.



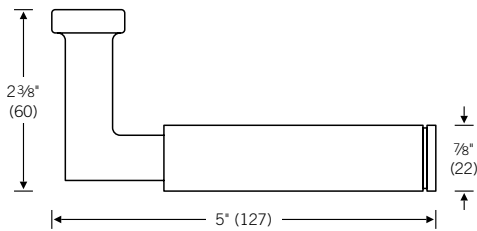
Design: Jahn/Lykouria

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> Aluminum 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1102



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.



Pull 66 6546, page 498



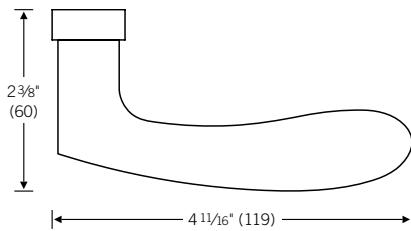
Design: Alessandro Mendini

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

Lever Handle 1106



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.



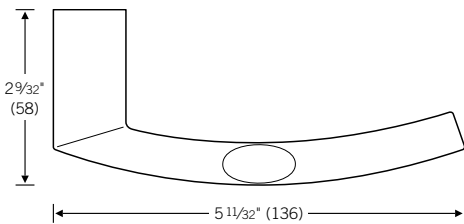
Design: Christoph Mäckler

	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)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1107



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.



Pull 66 6537, Page 493



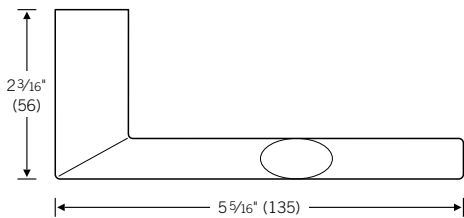
Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1108



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".



Pull 66 6538, page 494



Design: Hartmut Weise

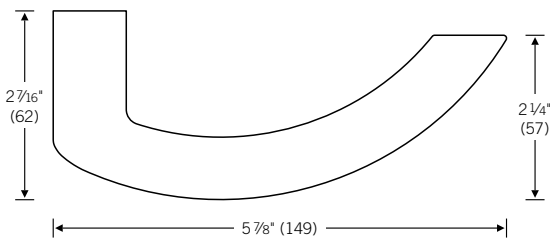
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1119



Fire-rated return with all trim

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.



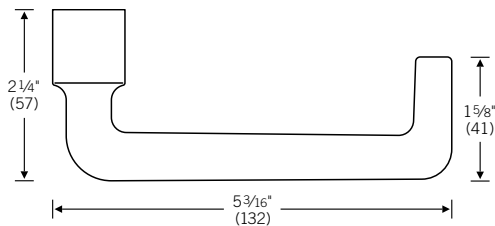
Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1134



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

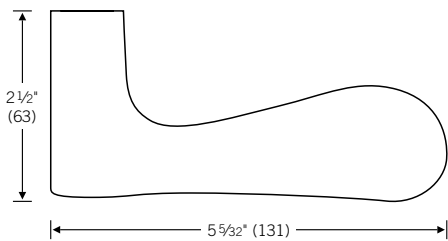
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1144



Levers

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)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

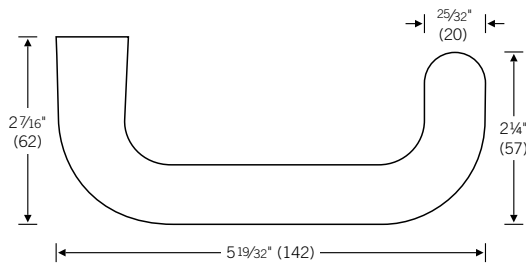
Lever Handle 1146



Fire-rated return with RP trim only

Levers

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.



Pull 66 6662, page 514

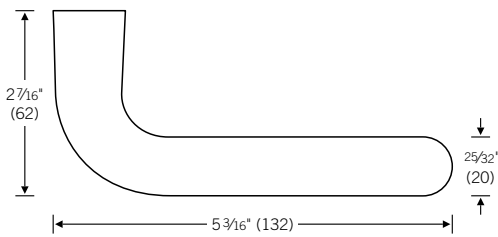
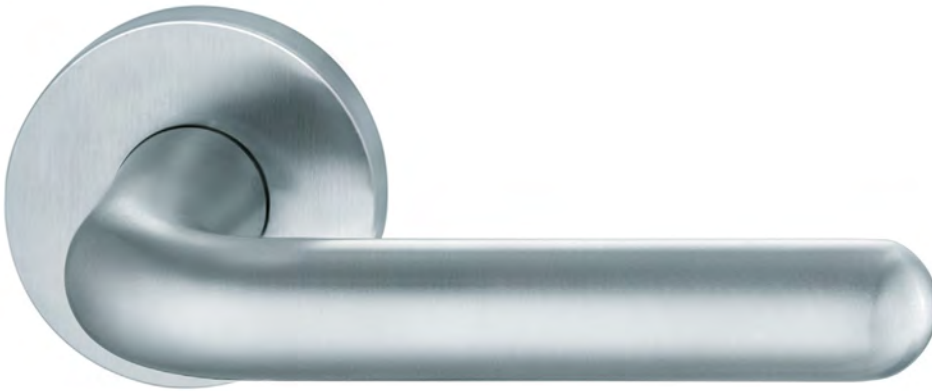


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0205 ■ 8120 □ 8220	<div style="display: flex; justify-content: space-around; align-items: center;"> ■ 0410 ■ 0510 ■ 0710 (710) ■ 0810 (711) </div>

Lever Handle 1147



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.



Pull 66 6602, page 501



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

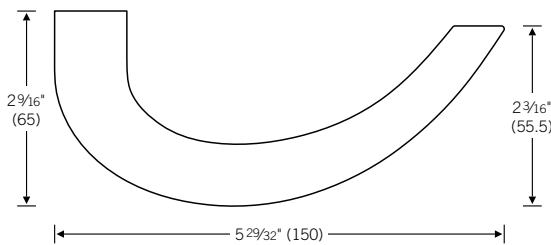
Lever Handle 1160



Fire-rated return with all trim

Levers

Works design FSB 1160 is based on the “dynamic golden growth spiral”. It has a round cross-section, with the lever handle also tapering from the shank to the end of the handle following the rule of the golden ratio.

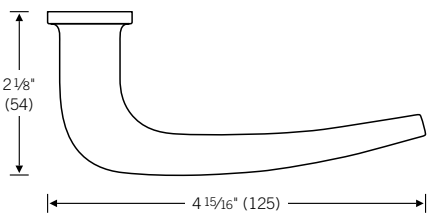


	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1163



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.



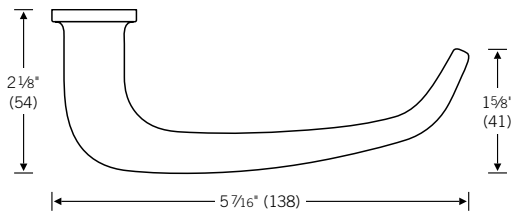
Design: Hans Kollhoff

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1164



Door handle model 1164 is the return version of design 1163, which was conceived by Hans Kolloff. This return model is particularly charming when made from bronze with an artificial patina to give it an antiqued finish.



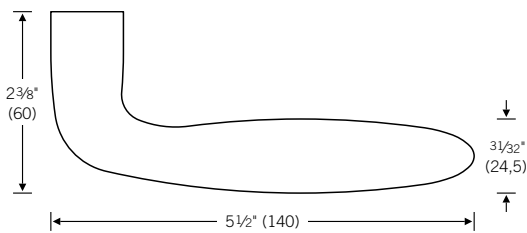
Design: Hans Kollhoff

	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)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1176



The design of FSB 1176 is based on a classic model from the FSB range. The shank and tip of this handle were originally made of rolled steel, then later of cast aluminium. The grip itself was a chunky affair made of black plastic. FSB's toolmakers succeeded in fashioning this familiar design out of stainless steel tubing.



	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

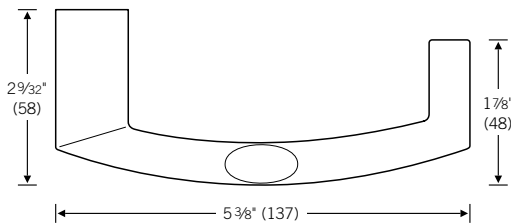
Lever Handle 1177



Fire-rated return with RP trim only

Levers

Model 1177 is the return version of model 1107, which was developed by in-house FSB designer Hartmut Weise. The new model was created in very little time to complement the lever handles on the frame door.



Pull 66 6537, page 493



Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

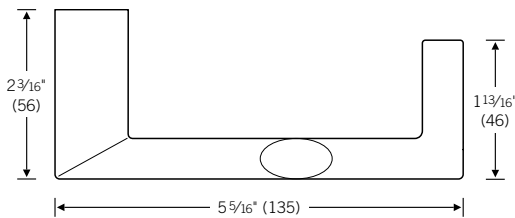
Lever Handle 1178



Fire-rated return with RP trim only

The FSB 1178 model is the return version of the “Brakel Model” 1108 by Hartmut Weise.

Originally developed as a lever handle for framed doors, it is a distinctive variant of the FSB 1108 model with its round rose.



Pull 66 6538, page 494



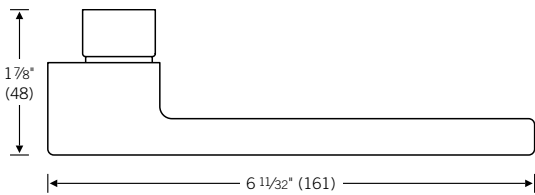
Design: Hartmut Weise

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1183

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.



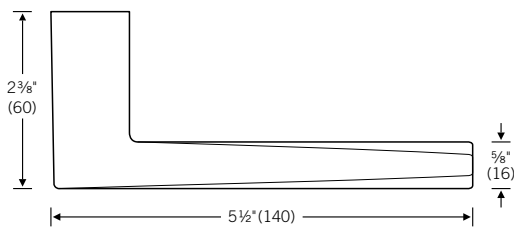
Design: Hadi Teherani

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1241



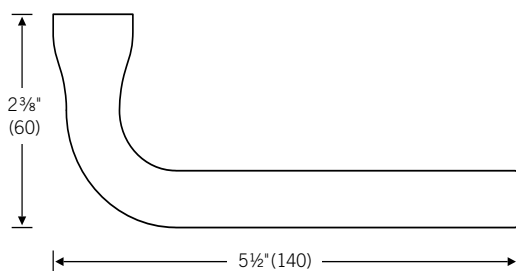
A door handle designed by the RDAI agency using a rectangular section at the point of fixation which is morphed into an elliptical section as it forms the lever. A dialogue between a rational rectilinear form and an organic ergonomomy.



Design: RDAI

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		<ul style="list-style-type: none"> Aluminum 	
Finishes		<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

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.



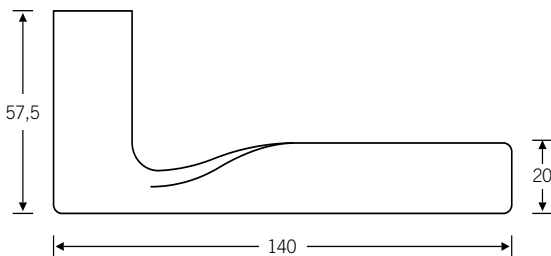
Design: John Pawson

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel ■ Bronze		
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)		

Lever Handle 1244



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.



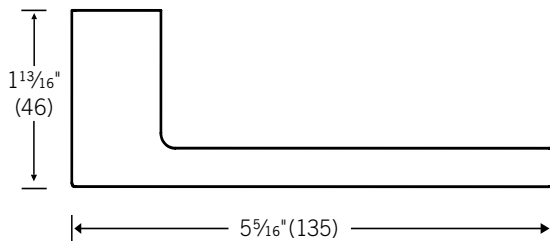
Design: von Gerkan, Marg and Partners (gmp)

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Lever Handle 1251



Our new "Square" design brings together very simple lines to create a look that is bold yet not overstated. In line with FSB hand culture in-house designer Hartmut Weise has created yet again another FSB original.



Design: Hartmut Weise

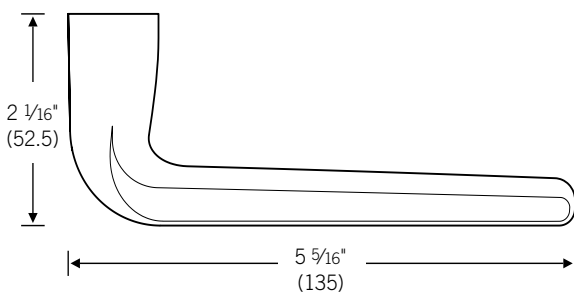
	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Lever Handle 1267



Levers

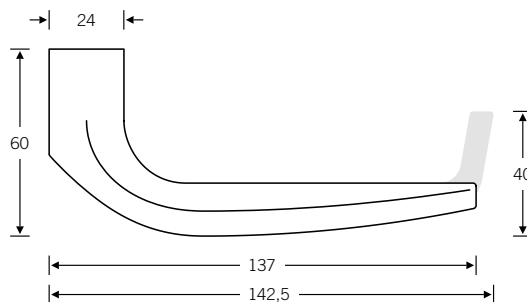
With the centenary of the founding of the Bauhaus, FSB is paying tribute to the revered Ludwig Mies van der Rohe . FSB 1267 is more than just a replica of an original Mies van der Rohe door lever, however. Whilst retaining the formal direction of its forebears, our interpretation also conforms to present-day 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	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

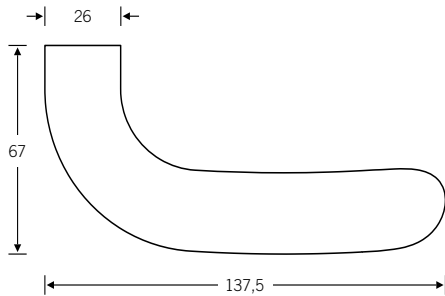
The architect Jürgen Engel has come up with a collection of door and window handles that are single-mindedly geared towards the needs of modern civic/commercial construction and are conducive to a maximum in visual continuity. Conspicuously, the geometry of the various handles for doors is virtually identical to that of the window handle. With its flat curving front face and gently rounded area at the back, FSB 1271 fuses precision and comfort.



Design: Jürgen Engel

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material	<ul style="list-style-type: none"> Stainless Steel 	<ul style="list-style-type: none"> Aluminum 	
Finishes	<ul style="list-style-type: none"> 6204 (630) 6205 (629) 	<ul style="list-style-type: none"> 0105 (628) 0205 8120 8220 0410 0510 0710 (710) 0810 (711) 	

Sleek elegance meets slim-line shapeliness: FSB 1285 by Matteo Thun and Antonio Rodriguez is a classic example of timeless design that makes compelling play of simplicity, adaptability and judiciously conceived detail. The designers have succeeded in lending shape to a handle whose formal credentials fulfil the various technical requirements for European fire and narrow stile doors in a single end-to-end design.



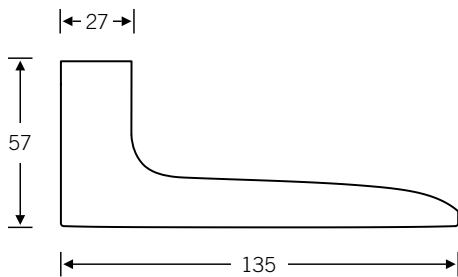
Design: Matteo Thun and Antonio Rodriguez

	Premium Series	Elements Series	Available lever trim options See lock types for more details
Material		Aluminum 0105 (628) 0410 0205 0510 8120 0710 (710) 8220 0810 (711)	
Finishes			

Lever Handle 1289



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		<ul style="list-style-type: none"> Aluminum 	
Finishes		<ul style="list-style-type: none"> <li style="margin-right: 10px;">0105 (628) <li style="margin-right: 10px;">0410 <li style="margin-right: 10px;">0205 <li style="margin-right: 10px;">0510 <li style="margin-right: 10px;">8120 <li style="margin-right: 10px;">0710 (710) <li style="margin-right: 10px;">8220 <li style="margin-right: 10px;">0810 (711) 	



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)

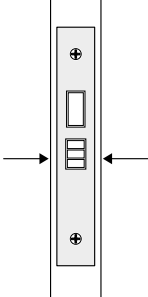
Specifying Entrance Locksets

Entrance Locksets (ENT)

ENT

Lock Type	Lock Function	Exterior Pull Design	Interior Lever Design	Thumbturn
ENT	B	1251	1251	S
Insert your choice of Lock Type.	Insert your choice of function using one of the letter codes below.	Insert your choice of pull design using one of the four digit codes.	Insert your choice of lever design using one of the four digit codes.	Insert your choice of thumbturn and indicator if necessary using the codes provided.
ENT	B Dormitory H Entrance K Apartment	Premium 1035 1076 1251	Premium/Elements 1001* 1102 1002* 1106 1003 1107 1004 1108 1005 1119 1015 1134 1016 1144 1021 1146 1023 1147 1025 1160 1031 1163 1035 1164 1045 1176 1051* 1177 1053 1178 1058 1183 1070 1241* 1074 1242 1075 1244 1076 1251 1078 1271 1080 1267 1088 1285* 1093 1289*	Premium  Standard thumbturn available with roses and escutcheons S
			* Elements 0810 Only	

ENT - B - 1251 - 1251 - 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</p> <p>■ 6204 Satin (630) Both Exterior and Interior Trim</p> <p>Premium/Elements Series</p> <p>■/■ 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</p> <p>234 2¾" Backset</p> <p>Special Order</p> <p>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</p> <p>M1</p> <p>Special Order</p> <p>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</p> <p>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</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>
				

ENT

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

2½" (64 mm)

2¾" (70 mm)

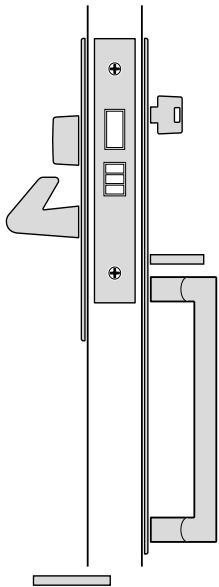
Strikes

See page 77 for standard strike lip to center information.

Function B

Dormitory

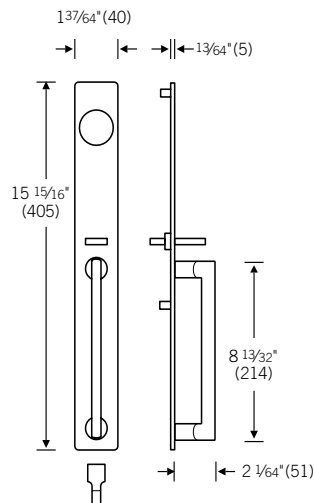
ANSI Code F13



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

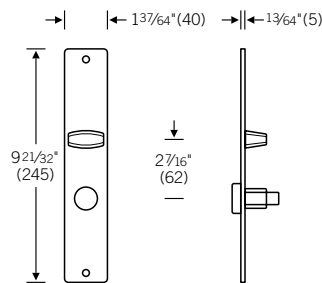


Description

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

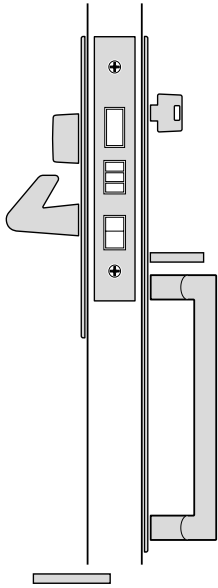
Entrance Locksets

Series ENT Functions

Function H

Entrance

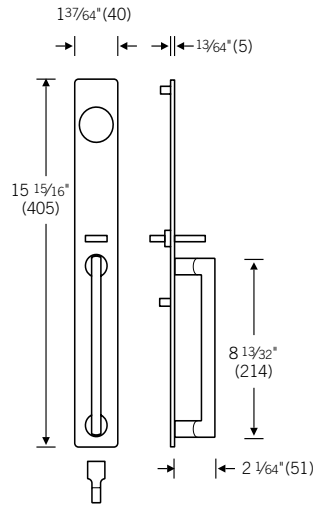
ANSI Code F12



Half Spindle

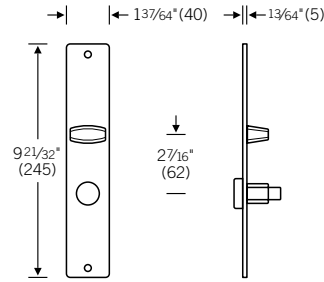
Set Includes:

- 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



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.

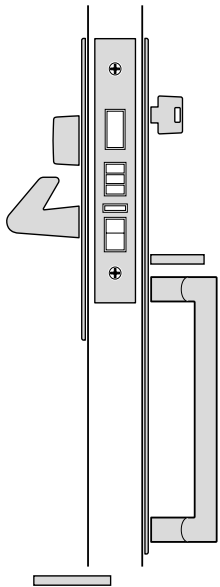


*Drawings depict 1035 pull for reference

Function K

Apartment

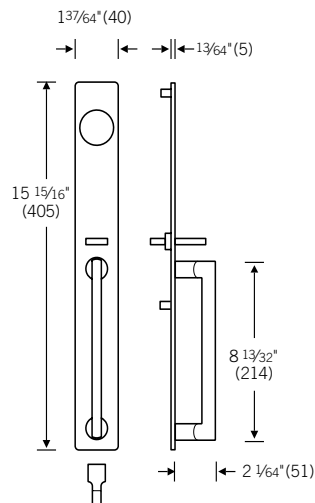
ANSI Code F20



Half Spindle

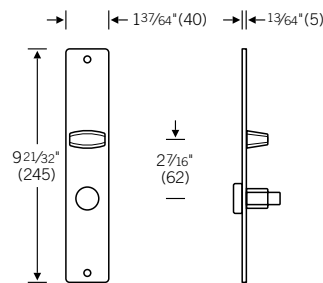
Set Includes:

- 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



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.



*Drawings depict 1035 pull for reference

Entrance Exterior Pull Design Options

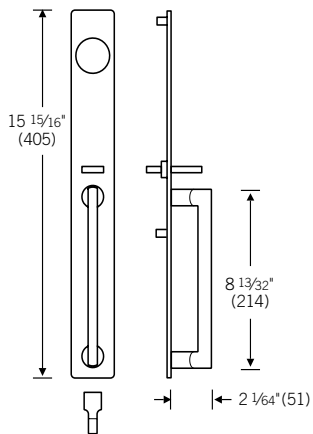
1035 ■

1076 ■

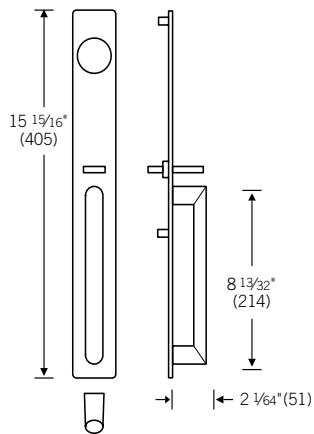
1251 ■



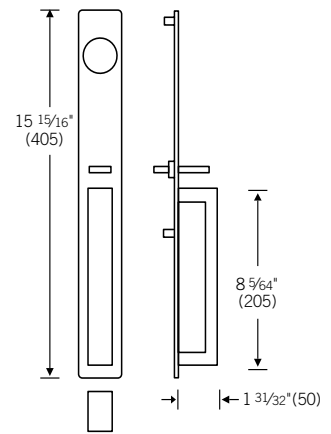
137/64" (40)
→ | ← → || ← 13/64" (5)



137/64" (40)
→ | ← → || ← 13/64" (5)



137/64" (40)
→ | ← → || ← 13/64" (5)



ENT

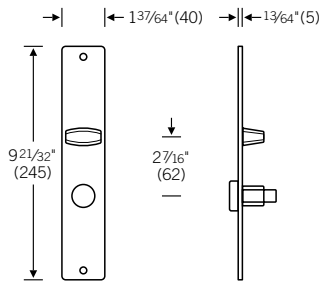
Entrance Interior Plate

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, 1251), 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, and 1251



Entrance Locksets

Series ENT Functions



Standard Functions

		Stainless Steel	Stainless Steel	Stainless Steel
		6204	6204	6204
B	Dormitory	1301.71	1235.98	1372.22
H	Entrance	1348.19	1282.47	1418.70
K	Apartment	1384.97	1319.24	1455.48



Standard Functions

		Stainless Steel	Stainless Steel	Stainless Steel
		6204	6204	6204
B	Dormitory	1331.13	1265.40	1401.64
H	Entrance	1377.62	1311.89	1448.13
K	Apartment	1414.39	1348.67	1484.90

Note: Sets include one of three Exterior Pull Styles (1035, 1076, 1251), 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

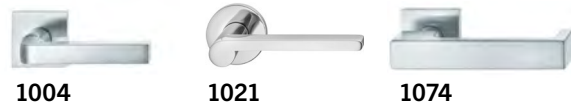
Entrance Locksets

Series ENT Functions



Standard Functions

		Stainless Steel	Stainless Steel	Stainless Steel
B	Dormitory	1404.20	1338.47	1474.71
H	Entrance	1450.68	1384.96	1521.19
K	Apartment	1487.46	1421.74	1557.97



Standard Functions

		Stainless Steel	Stainless Steel	Stainless Steel
B	Dormitory	1478.24	1412.51	1548.75
H	Entrance	1524.73	1459.00	1595.24
K	Apartment	1561.51	1495.78	1632.02

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

ENT-B-1251-1251-S-6204-234-M1-RH-134

Example for Specifying

Entrance Locksets

Series ENT Functions



1102

1134

1163

1164

ENT



1035

1076

1251

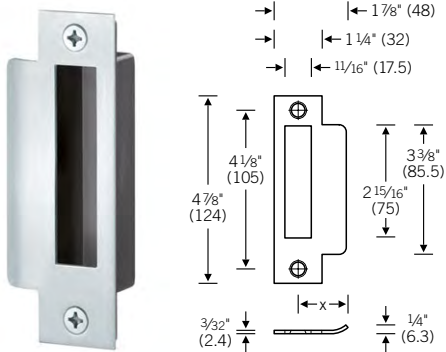
Standard Functions

		Stainless Steel	Stainless Steel	Stainless Steel
		6204	6204	6204
B	Dormitory	1554.74	1489.01	1625.25
H	Entrance	1601.23	1535.50	1671.74
K	Apartment	1638.01	1572.28	1708.52

SML 1001

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

Standard **M1** = 1 1/4" (32 mm)



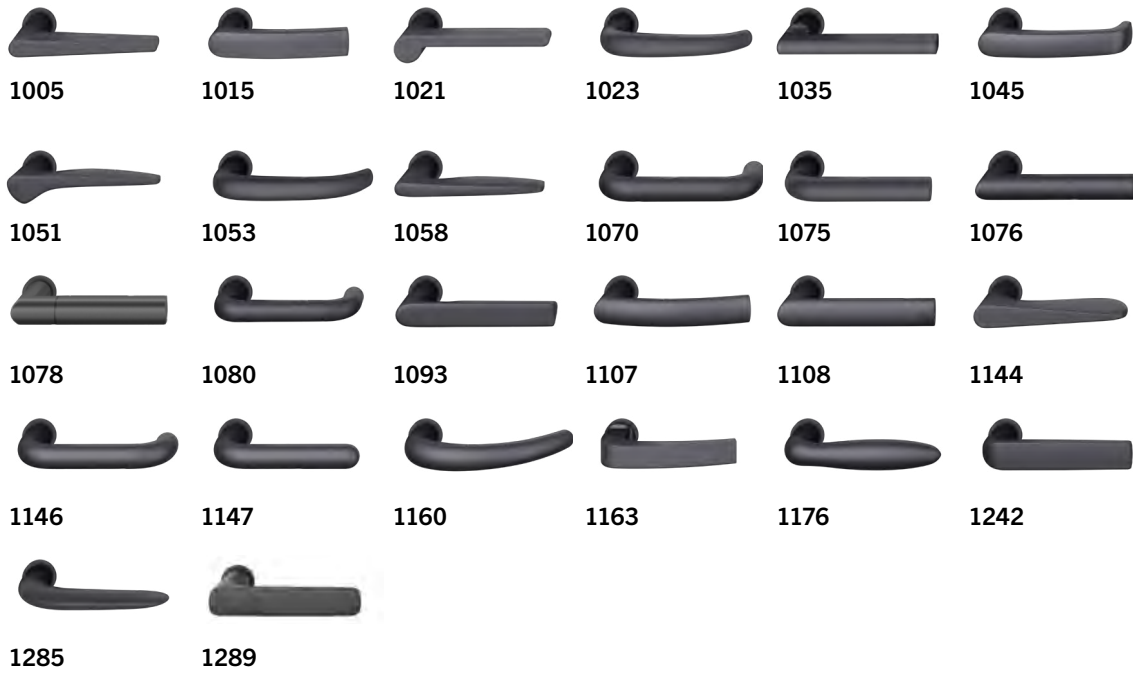
Mortise Strike Number	Lip To Center Dimension (x)	Typical Door Thickness*	ANSI Strike Type
M1	1 1/4"	1 3/8" - 1 3/4"	Curved Lip (Std.)
M2	1 1/8"	1 1/2"	Curved Lip
M3	1 3/8"	2"	Curved Lip
M4	1 1/2"	2 1/4"	Curved Lip

Note: For custom strike, please call FSB

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

ENT-B-1251-1251-S-6204-234-M1-RH-134

Example for Specifying



1035



1076



1251

Standard Functions		Stainless Steel/Aluminum	Stainless Steel/Aluminum	Stainless Steel/Aluminum
		6204/0810	6204/0810	6204/0810
B	Dormitory	1301.71	1235.98	1372.22
H	Entrance	1348.19	1282.47	1418.70
K	Apartment	1384.97	1319.24	1455.48

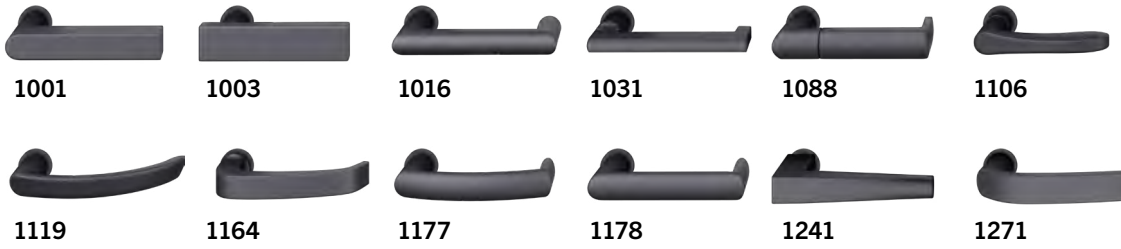
Note: Sets include one of three Exterior Pull Styles (1035, 1076, 1251), choice of interior lever (see pricing pages), lock, cylinder, spindle and screws. Interior trim is only available with standard thumbturn.

6204 Finish Code = Satin Stainless Steel Exterior and Interior

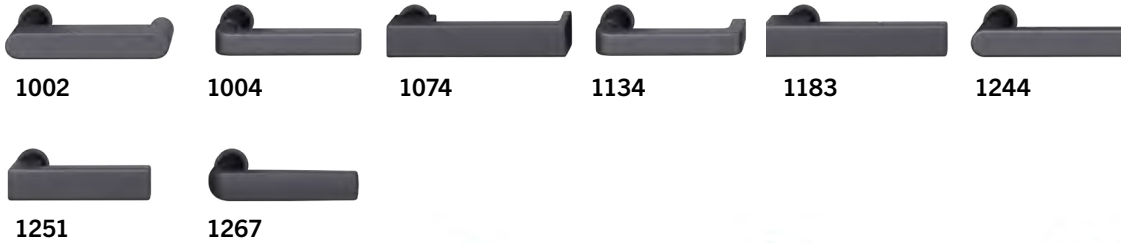
6204/0810 Finish Code = Satin Stainless Steel Exterior and Matte Black Aluminum Interior

Entrance Locksets

Series ENT Functions



Standard Functions		Stainless Steel/Aluminum		
		6204/0810	6204/0810	6204/0810
B	Dormitory	1331.13	1265.40	1401.64
H	Entrance	1377.62	1311.89	1448.13
K	Apartment	1414.39	1348.67	1484.90



Standard Functions		Stainless Steel/Aluminum		
		6204/0810	6204/0810	6204/0810
B	Dormitory	1404.20	1338.47	1474.71
H	Entrance	1450.68	1384.96	1521.19
K	Apartment	1487.46	1421.74	1557.97

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.



ENT

Multi-Point



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**

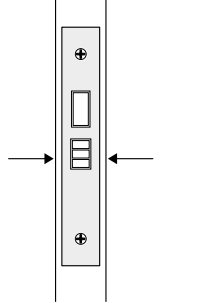
Specifying Mortise Locksets

Standard Mortise Lock (SML)

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	<p>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</p> <p>Electrified Functions</p> <p>JEU Storeroom Fail Secure JEL Storeroom Fail Safe</p> <p>Magnetic Latch Functions</p> <p>BM Dormitory CM Passage EM Privacy JM Storeroom TM Patio</p> <p>Electrified Locks are 2 3/4" backset standard; available in 2 1/2" backset by quote only.</p>	<p>Premium/Elements</p> <table border="0"> <tr><td>1001*</td><td>1102</td></tr> <tr><td>1002*</td><td>1106</td></tr> <tr><td>1003</td><td>1107</td></tr> <tr><td>1004</td><td>1108</td></tr> <tr><td>1005</td><td>1119</td></tr> <tr><td>1015</td><td>1134</td></tr> <tr><td>1016</td><td>1144</td></tr> <tr><td>1021</td><td>1146</td></tr> <tr><td>1023</td><td>1147</td></tr> <tr><td>1025</td><td>1160</td></tr> <tr><td>1031</td><td>1163</td></tr> <tr><td>1035</td><td>1164</td></tr> <tr><td>1045</td><td>1176</td></tr> <tr><td>1051*</td><td>1177</td></tr> <tr><td>1053</td><td>1178</td></tr> <tr><td>1058</td><td>1183</td></tr> <tr><td>1070</td><td>1241*</td></tr> <tr><td>1074</td><td>1242</td></tr> <tr><td>1075</td><td>1244</td></tr> <tr><td>1076</td><td>1251</td></tr> <tr><td>1078</td><td>1271</td></tr> <tr><td>1080</td><td>1267</td></tr> <tr><td>1088</td><td>1285*</td></tr> <tr><td>1093</td><td>1289*</td></tr> </table> <p>* Elements Only</p>	1001*	1102	1002*	1106	1003	1107	1004	1108	1005	1119	1015	1134	1016	1144	1021	1146	1023	1147	1025	1160	1031	1163	1035	1164	1045	1176	1051*	1177	1053	1178	1058	1183	1070	1241*	1074	1242	1075	1244	1076	1251	1078	1271	1080	1267	1088	1285*	1093	1289*	<p>Premium/Elements</p> <p>RA Rose 2 3/16" (55 mm) RD Rose 2 9/16" (65 mm) RF Narrow Rose RJ Flush Rose (55 mm) RM Square Rose (55 mm) RP Minimal Rose (30 mm) EC Long Rounded ED Long Rectangular</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>Premium/Elements</p> <p> Standard thumbturn available with roses and escutcheons S</p> <p> ADA thumbturn available with RA, RD, and RM roses D</p> <p> Crescent thumbturn available with RF Trim only C</p> <p>Premium/Elements Emergency Releases</p> <p> N  I</p> <p>* Thumbturn and/or Indicator choices are only necessary with the B, D, E, H, K, P, R, S, and T lock functions</p>
1001*	1102																																																			
1002*	1106																																																			
1003	1107																																																			
1004	1108																																																			
1005	1119																																																			
1015	1134																																																			
1016	1144																																																			
1021	1146																																																			
1023	1147																																																			
1025	1160																																																			
1031	1163																																																			
1035	1164																																																			
1045	1176																																																			
1051*	1177																																																			
1053	1178																																																			
1058	1183																																																			
1070	1241*																																																			
1074	1242																																																			
1075	1244																																																			
1076	1251																																																			
1078	1271																																																			
1080	1267																																																			
1088	1285*																																																			
1093	1289*																																																			

SML - E - 1147 - RA - SN - 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</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>Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0105 Natural Color (628) ■ 0205 Champagne Silver Color <p>Textured Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0410 Bronze Color ■ 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) 	<p>234</p> <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</p> <p>334 3¾" Backset</p> <p>500 5" Backset</p> <p>600 6" Backset</p>	<p>M1</p> <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</p> <p>M3</p> <p>M4</p> <p>M5</p> <p>M6</p> <p>M7</p> <p>M8</p> <p>M9</p> <p>M10</p> <p>M11</p> <p>M12</p> <p>M13</p> <p>Magnetic Latch</p> <p>M1M</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>
		<p>Note: All magnetic locks come with a standard no-lip strike, use "M1M" designator.</p>		

SML

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 115 for SML standard strike lip
to center information.

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

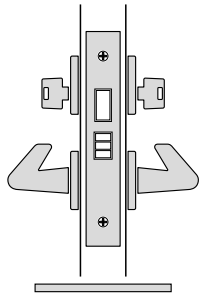
Function A

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



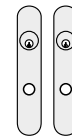
RM



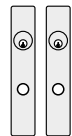
RP



EC



ED



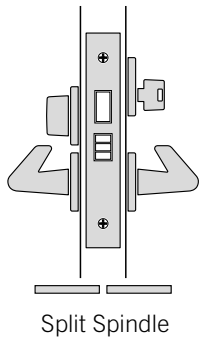
Standard Mortise Locks

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



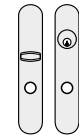
RM-S



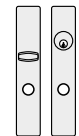
RJ-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



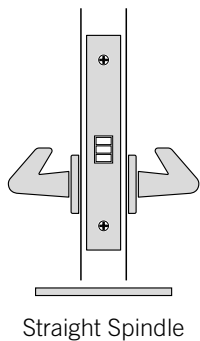
RP-C



Function C

Passage

ANSI Code F01



Description

Latch bolt by handle either side.

Premium and Elements Series Trim Sets

RA



RD



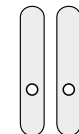
RF



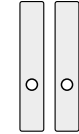
RM



EC



ED



RJ



RP



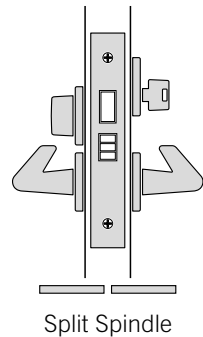
Standard Mortise Locks

Series SML Functions

Function D

Hotel

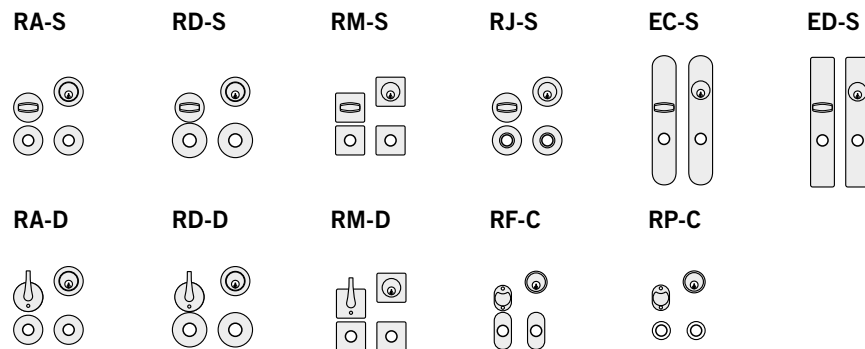
ANSI Code F15



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.

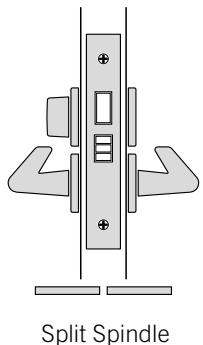
Premium and Elements Series Trim Sets



Function E

Privacy

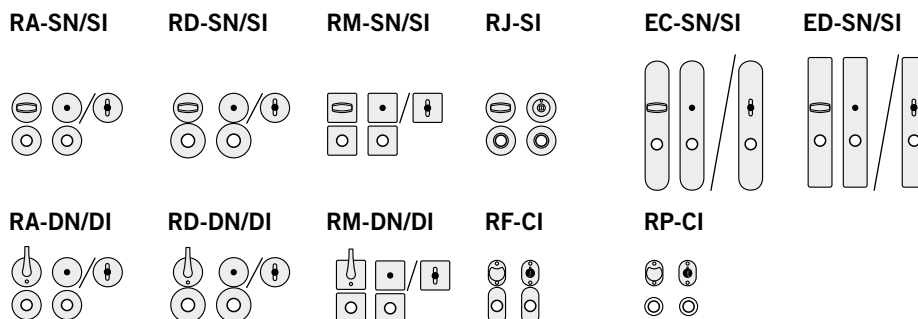
ANSI Code F19



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



Standard Mortise Locks

Series SML Functions

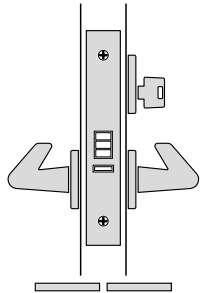
Function G

Classroom

ANSI Code F05

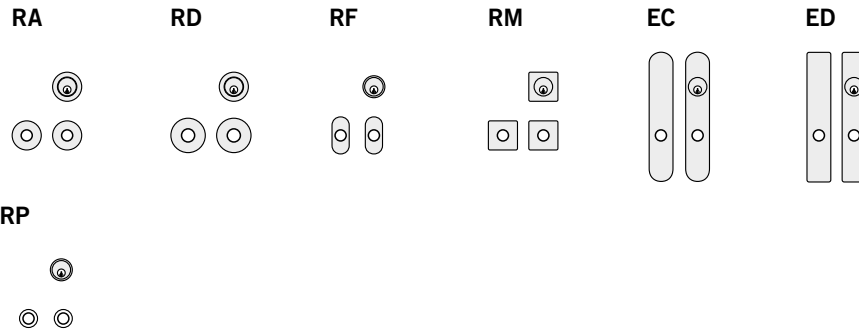
Description

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



Split Spindle

Premium and Elements Series Trim Sets



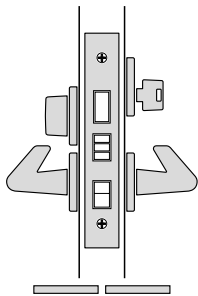
Function H

Entrance

ANSI Code F12

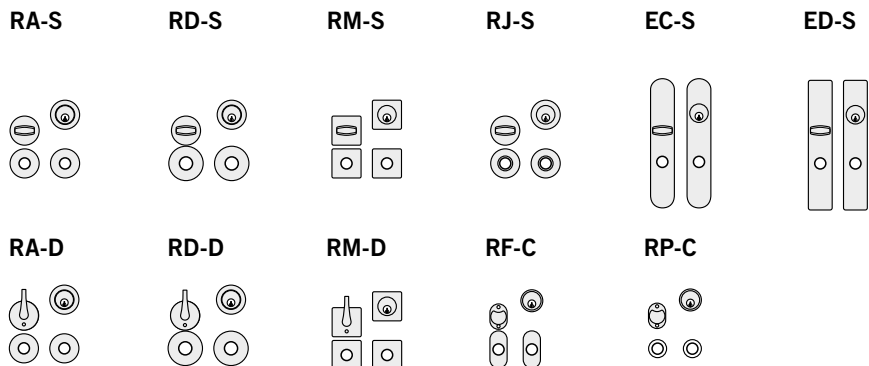
Description

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.



Split Spindle

Premium and Elements Series Trim Sets



Standard Mortise Locks

Series SML Functions

Function I

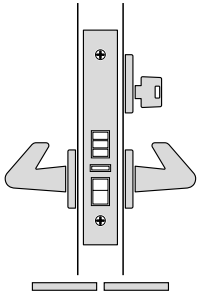
Office

ANSI Code F04

Description

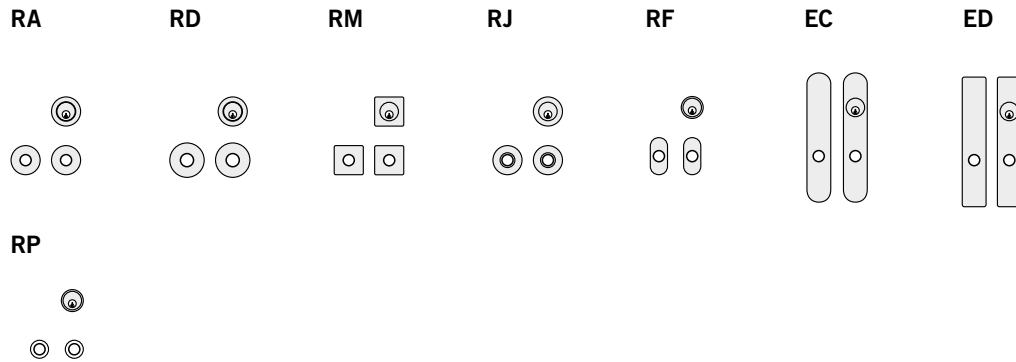
Latch bolt by key outside and handle either side unless outside handle is locked by toggle.
Auxiliary latch deadlocks latch bolt.

SML



Split Spindle

Premium and Elements Series Trim Sets



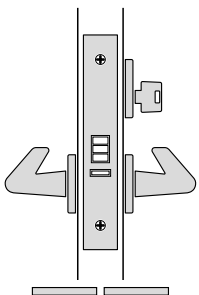
Function J

Storeroom

ANSI Code F07

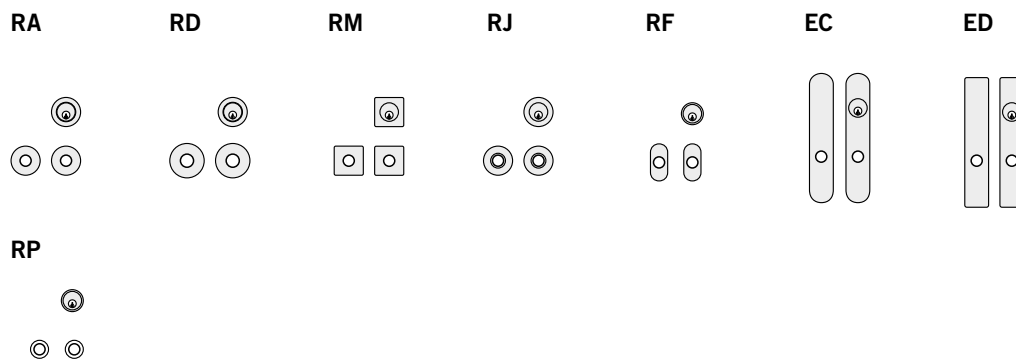
Description

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



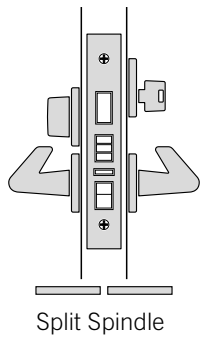
Standard Mortise Locks

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.

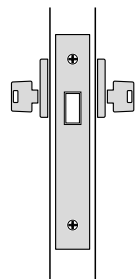
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	RJ-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

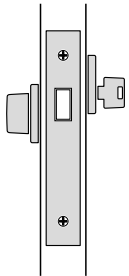
Function P

**Key x Thumbturn
Deadlock**

Description
Deadbolt by key outside and thumbturn inside.

ANSI Code F17

SML



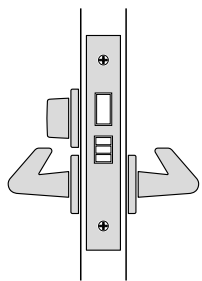
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	RJ-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

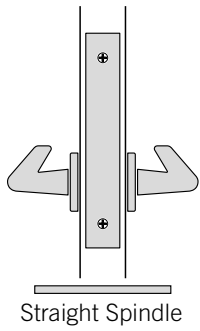
Premium and Elements Series Trim Sets

RA-S	RD-S	RM-S	RJ-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.

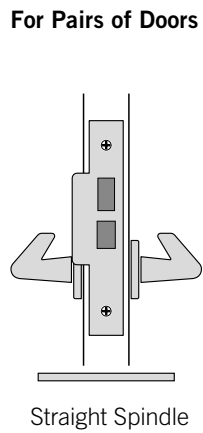


Premium and Elements Series Trim Sets

RA	RD	RM	RJ	EC	ED
RF	RP				

SML

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.



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

Premium and Elements Series Trim Sets

RA	RD	RM	RJ	EC	ED
RF	RP				

Standard Mortise Locks

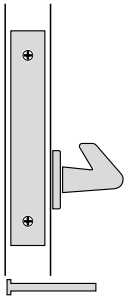
Series SML Functions

Function Z (Single Lever) Active Dummy Mortise Case

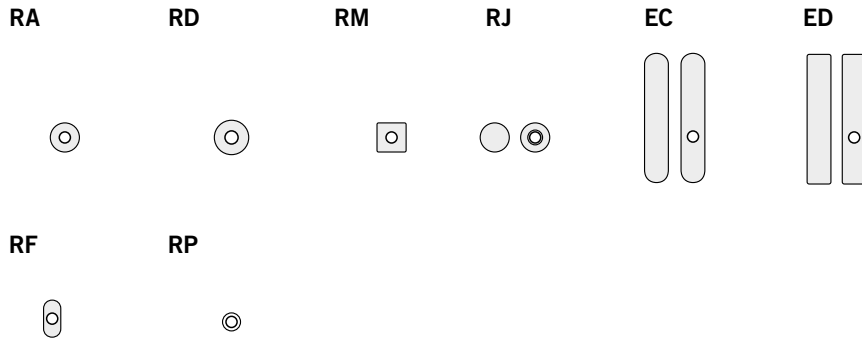
Description
Active dummy handle single side only with blind cover on opposing side where applicable as diagramed below.



SML



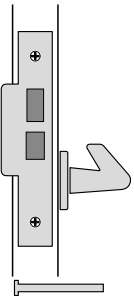
Premium and Elements Series Trim Sets



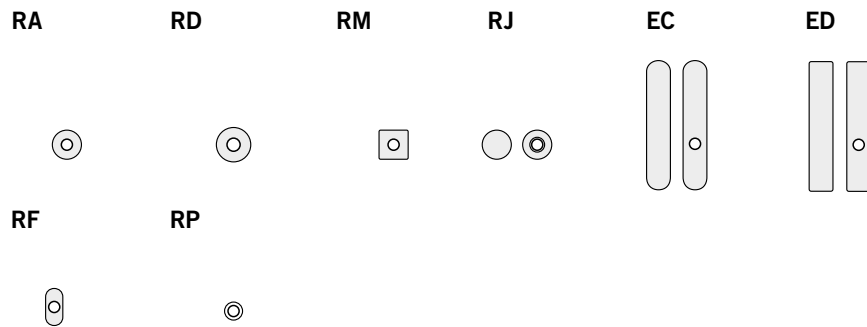
Function ZS (Single Lever) Active Dummy Mortise Case

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



Standard Mortise Locks

Series SML Functions

Function JEU

**Electrified Storeroom
Fail Secure**

Description

Solenoid activated mortise lock.

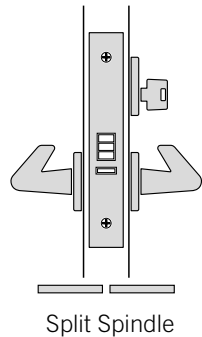
EU function – Power OFF, locks outside lever (by solenoid).

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

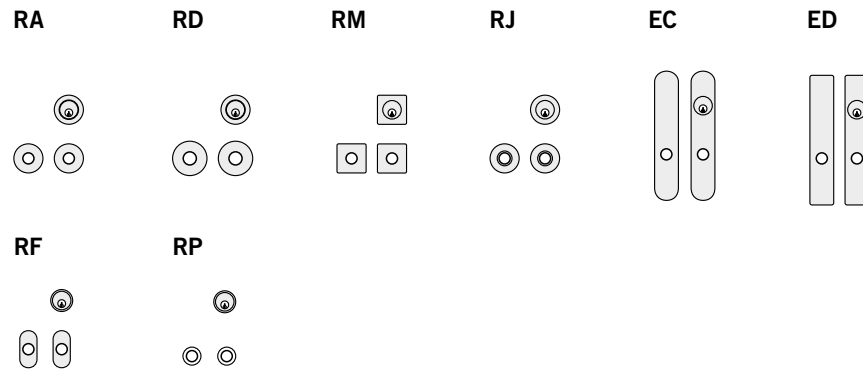
Outside lever can only be locked with the solenoid. Inside lever always retracts latch bolt. Auxiliary latch deadlocks latch bolt.

Monitoring Options

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



Premium and Elements Series Trim Sets



– 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.

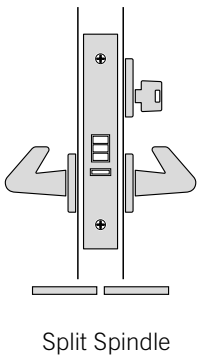
EL function – Power ON, locks outside lever (by solenoid).

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

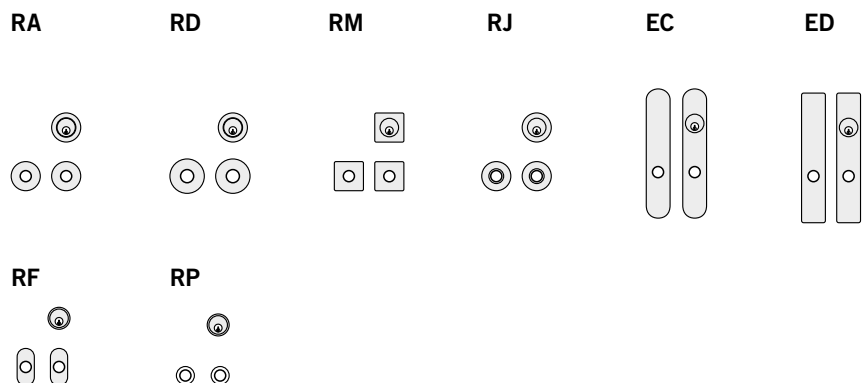
Outside lever can only be locked with the solenoid. Inside lever always retracts latch bolt. Auxiliary latch deadlocks latch bolt.

Monitoring Options

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



Premium and Elements Series Trim Sets



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

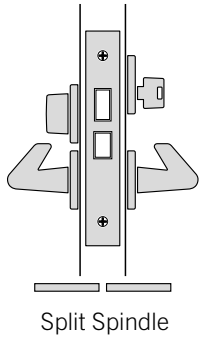
Standard Mortise Locks

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



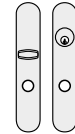
RM-S



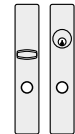
RJ-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



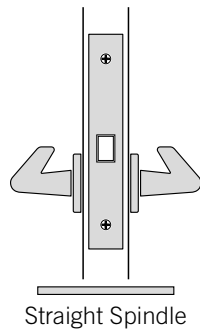
RP-C



Function CM

Magnetic Passage

ANSI Code F01



Description

Latch bolt by handle either side.



Premium and Elements Series Trim Sets

RA



RD



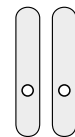
RF



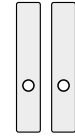
RM



EC



ED



RJ



RP



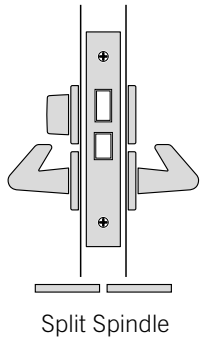
Standard Mortise Locks

Series SML Functions

Function EM

Magnetic Privacy

ANSI Code F19



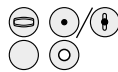
Description

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.

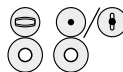


Premium and Elements Series Trim Sets

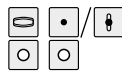
RA-SN/SI



RD-SN/SI



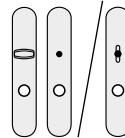
RM-SN/SI



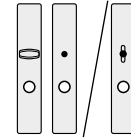
RJ-SI



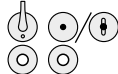
EC-SN/SI



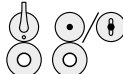
ED-SN/SI



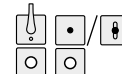
RA-DN/DI



RD-DN/DI



RM-DN/DI



RF-CI



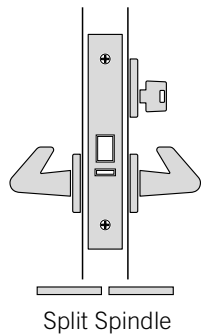
RP-CI



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



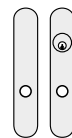
RM



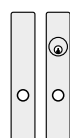
RJ



EC



ED



RF



RP



Standard Mortise Locks

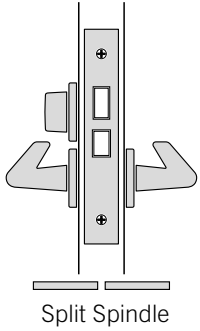
Series SML Functions

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.



SML

Premium and Elements Series Trim Sets

RA-S



RD-S



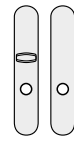
RM-S



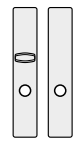
RJ-S



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, 27VDC 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

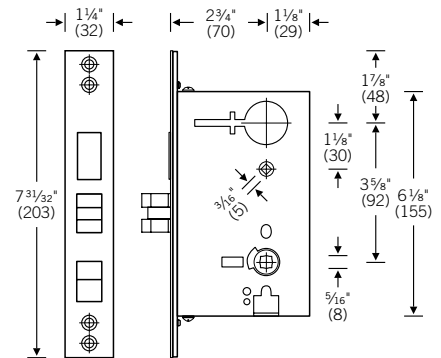
Mortise Case and Function

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.

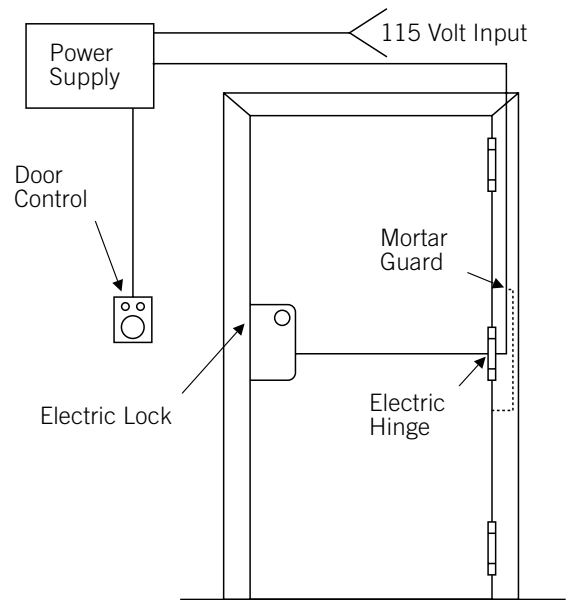
Monitors the status of both the solenoid (locked or unlocked) and the auxiliary latch (deadlatch position). This feature may be used to determine the security status (locked or unlocked), activate an alarm, or send notification to a control console.

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.

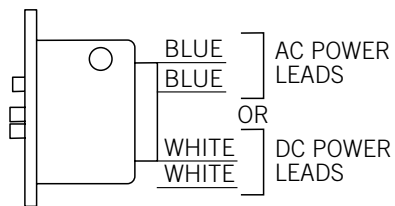
Typical installation



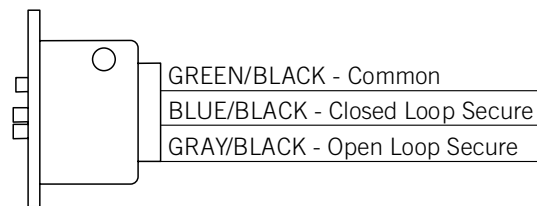
SML

Wiring schematics by option

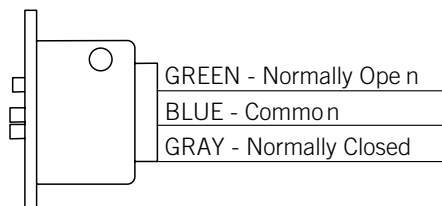
EL & EU – Fail Safe and Fail Secure



LM – Latchbolt Monitor Switch



RX – Request to Exit Switch

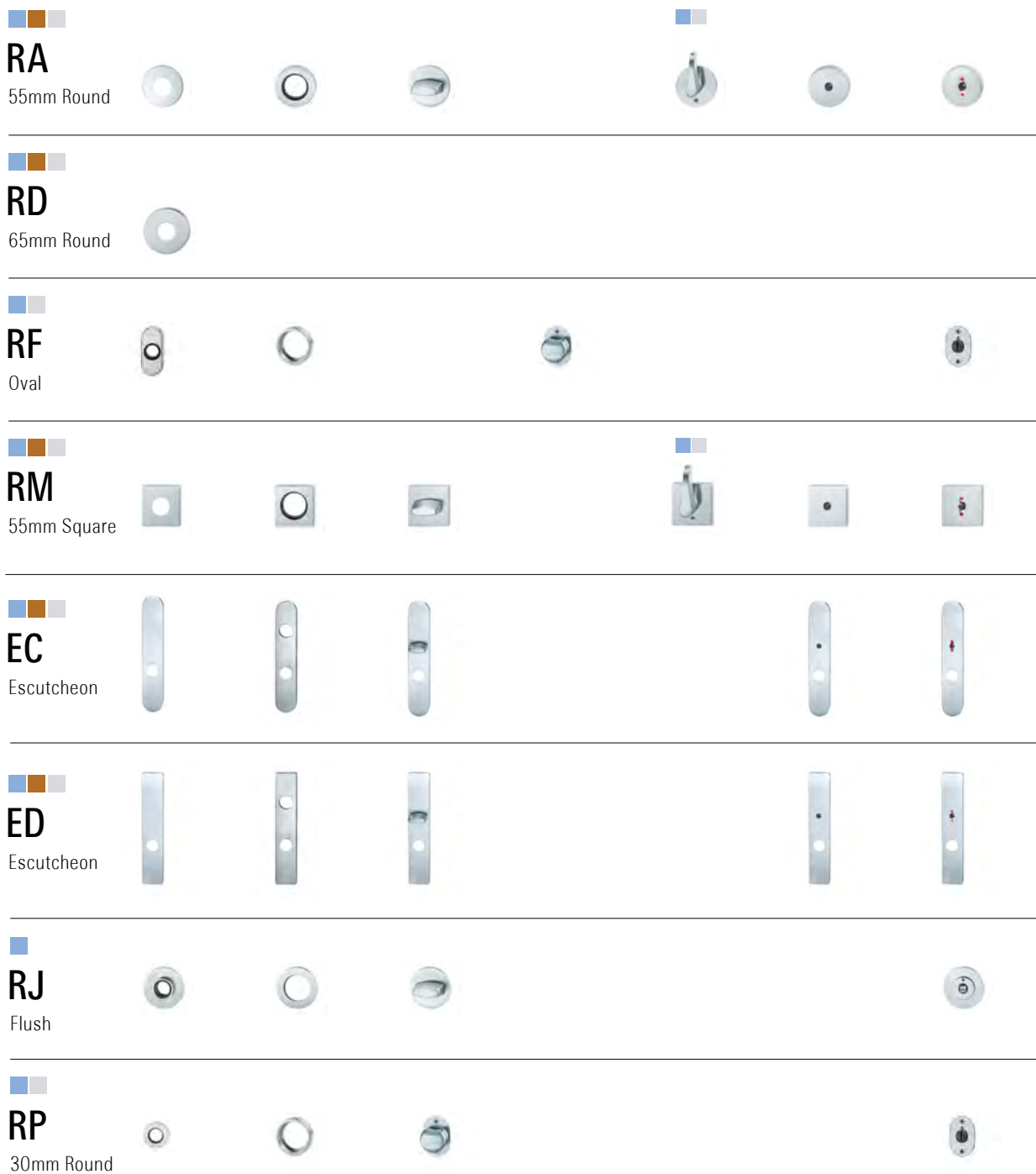


DP – Door Position Switch



Trim Set Overview

Series SML



SML

	Premium Series	Elements Series	
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

Round Lever Roses

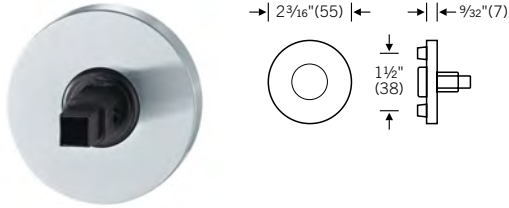
Series SML

RA

17 1731 01401 ■ ■ ■

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

*Includes finish rose and sub-rose

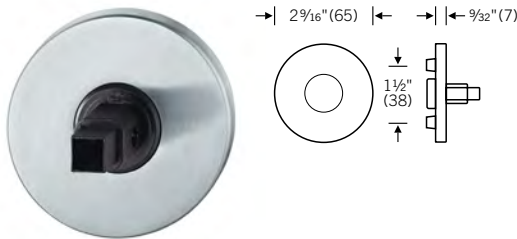


RD

17 1798 02401 ■ ■ ■

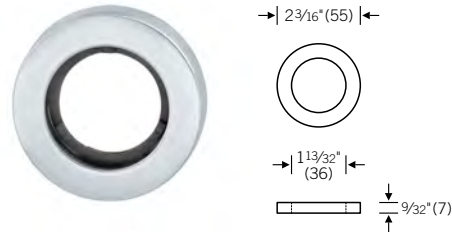
Rose $2\frac{9}{16}$ " (65 mm)

*Includes finish rose and sub-rose



Cylinder Ring

17 1735 12601 ■ ■ ■




Cylinder must be ordered separately

SML

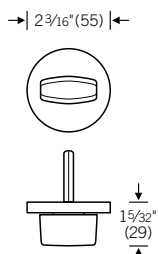
Thumbturns for RA 55mm & RD 65mm Roses

Series SML

S

17 1744 00169 
Standard Thumbturn

SML



RA - Configuration
55mm S Thumbturn
55mm Lever Rose

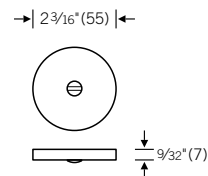
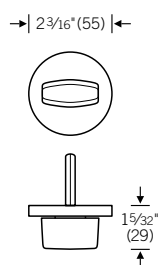


RD - Configuration
55mm S Thumbturn
65mm Lever Rose

Standard Turn with Emergency Release (SN)

17 1744 00160 

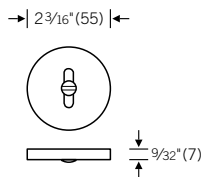
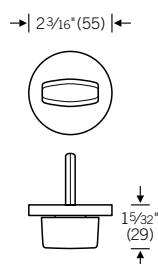
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159 

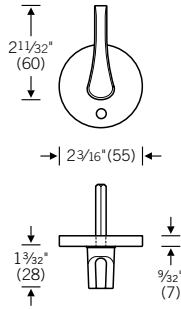
Trim Set - Includes two rose assemblies, spindle and screws



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

D

17 1744 09169 ■ ■
ADA Thumbturn



RA - Configuration
55mm D Thumbturn
55mm Lever Rose



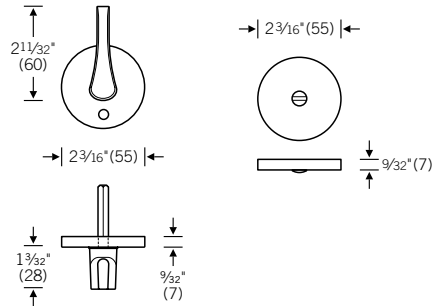
RD - Configuration
55mm D Thumbturn
65mm Lever Rose

SML

ADA Turn with Emergency Release (DN)

17 1744 09160 ■ ■

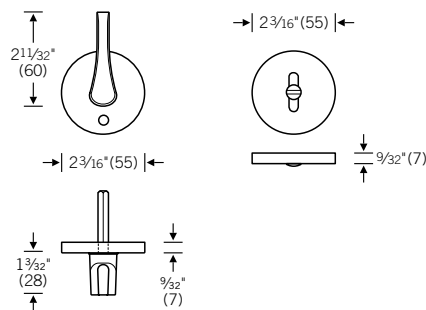
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1744 09159 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws

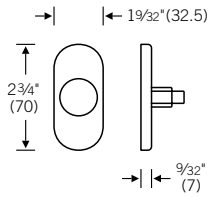


Oval Rose and Thumbturn RF Series SML

RF

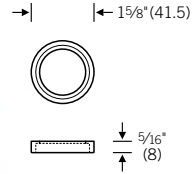
17 1758 10001 ■ ■
Narrow Rose

SML



Cylinder Ring

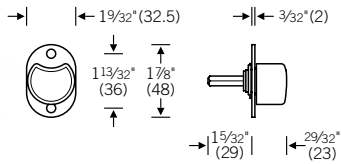
03 0450 19001 ■ ■



Cylinder must be ordered separately

C

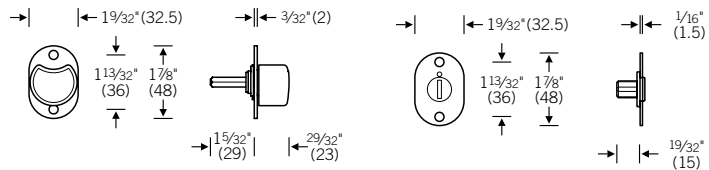
03 0418 09001 ■ ■
Crescent Thumbturn



Crescent Turn with Emergency Release and Indicator (CI)

03 0418 09002 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws



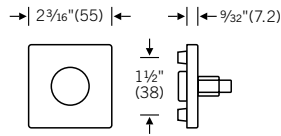
Square and Minimal Lever Roses Series SML

RM

17 1703 01401 ■ ■ ■

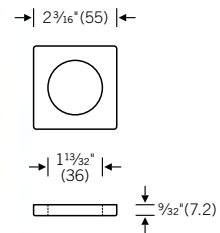
Square Rose

*Includes finish rose and sub-rose



Cylinder Ring

17 1704 12601 ■ ■ ■



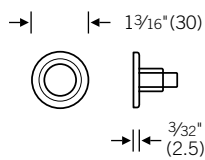
Cylinder must be ordered separately



RP


03 0450 09290 ■ ■

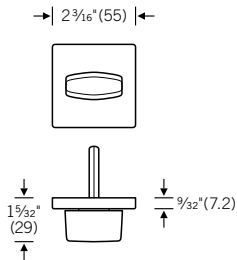
Minimal Rose



Thumbturns for RM 55mm Series SML

S


17 1712 00169 
Standard Thumbturn



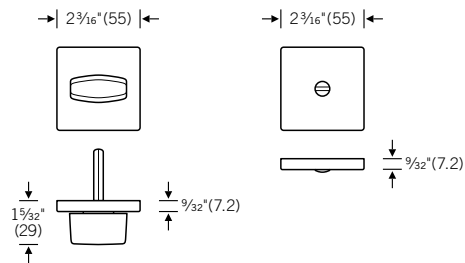
RM - Configuration
55mm S Thumbturn
55mm Lever Rose

SML

Standard Turn with Emergency Release (SN)

17 1712 00160 

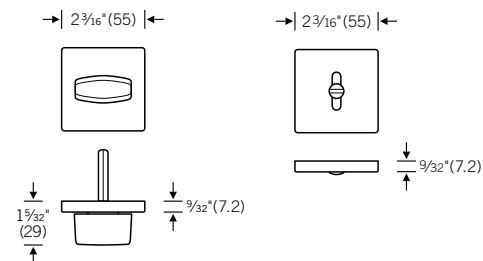
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1712 00159 

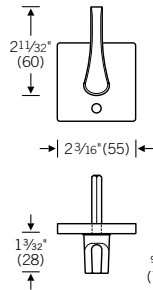
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Series SML

D

17 1712 09169 ■■
ADA Thumbturn



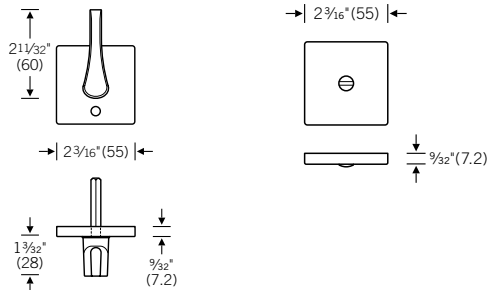
RM - Configuration
55mm D Thumbturn
55mm Lever Rose

SML

ADA Turn with Emergency Release (DN)

17 1712 09160 ■■

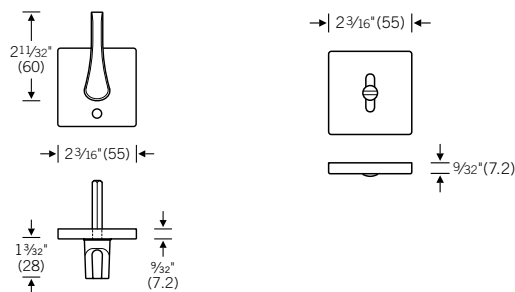
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 ■■


Trim Set - Includes two rose assemblies, spindle and screws



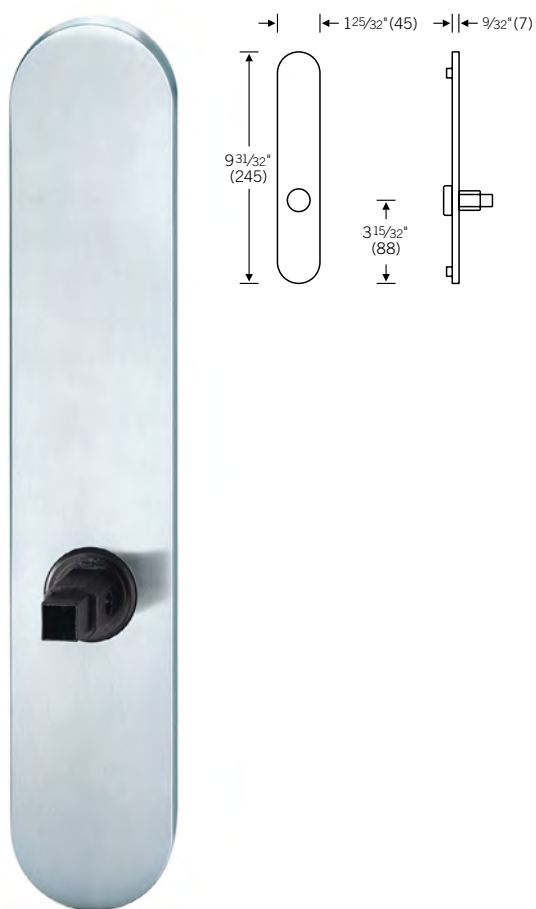
Trim Sets for EC Long Rounded Escutcheon Plate Series SML

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



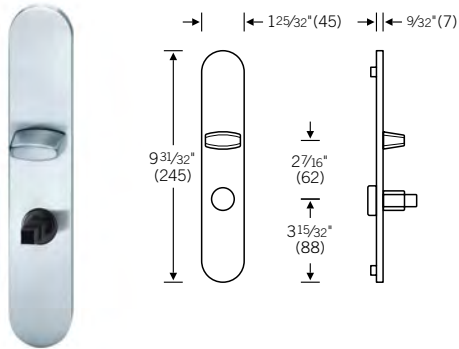
Cylinder must be ordered separately

Trim Sets for EC Long Rounded Escutcheon Plate Series SML


S

14 1418 09102 
Standard Thumbturn

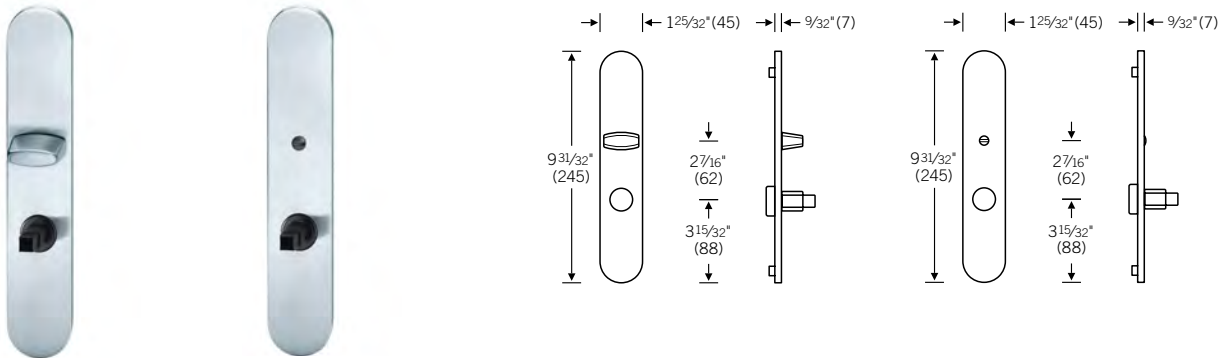
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1418 09103 

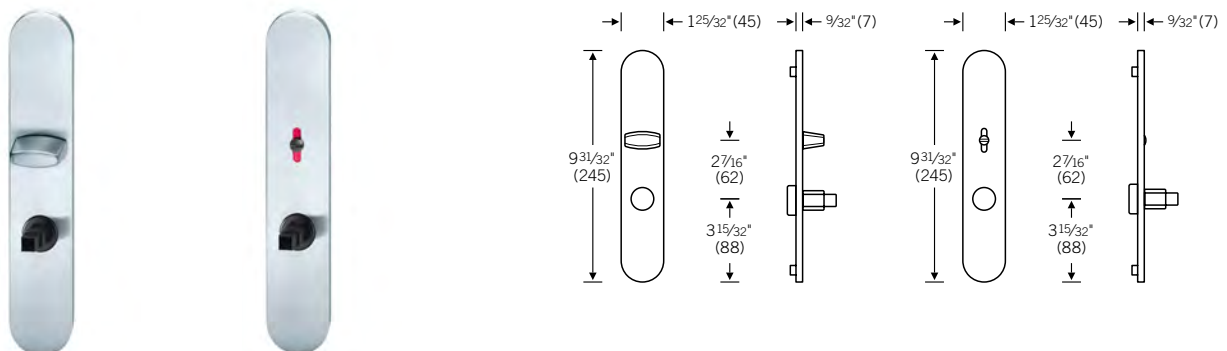
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1418 09113 


Trim Set - Includes two rose assemblies, spindle and screws



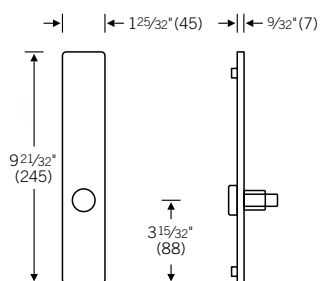
Trim Sets for ED Long Rectangular Escutcheon Plate Series SML

SML


ED

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

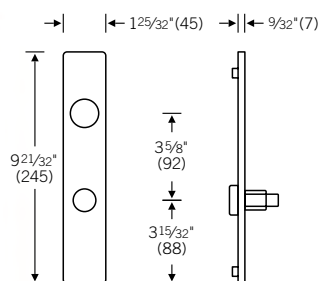
*Includes finish rose and sub-rose



Cylinder Hole

14 1410 09101 


*Includes finish rose and sub-rose



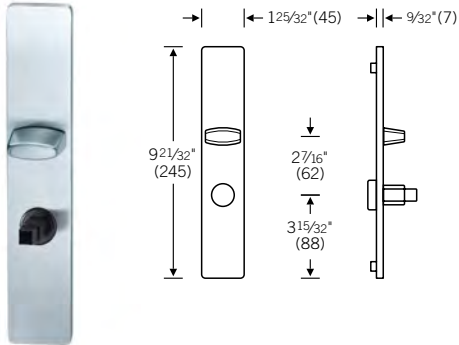
Cylinder must be ordered separately

Trim Sets for ED Long Rectangular Escutcheon Plate Series SML


S

14 1410 09102 
Standard Thumbturn

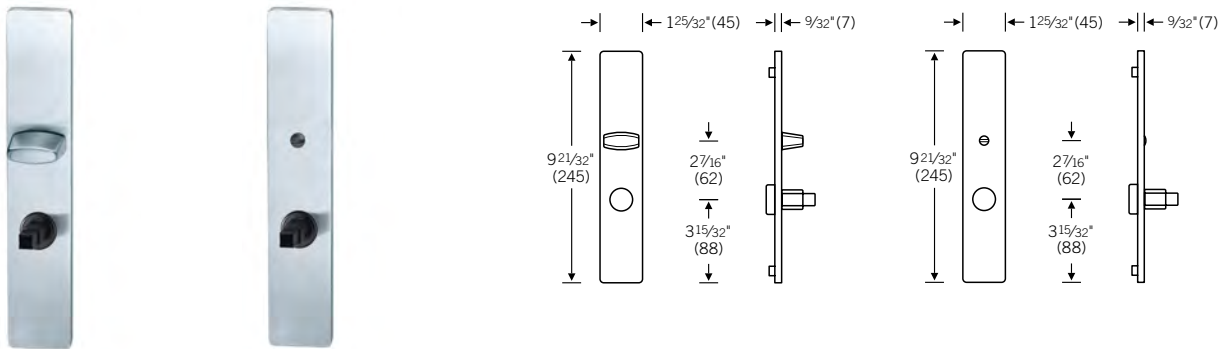
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1410 09103 

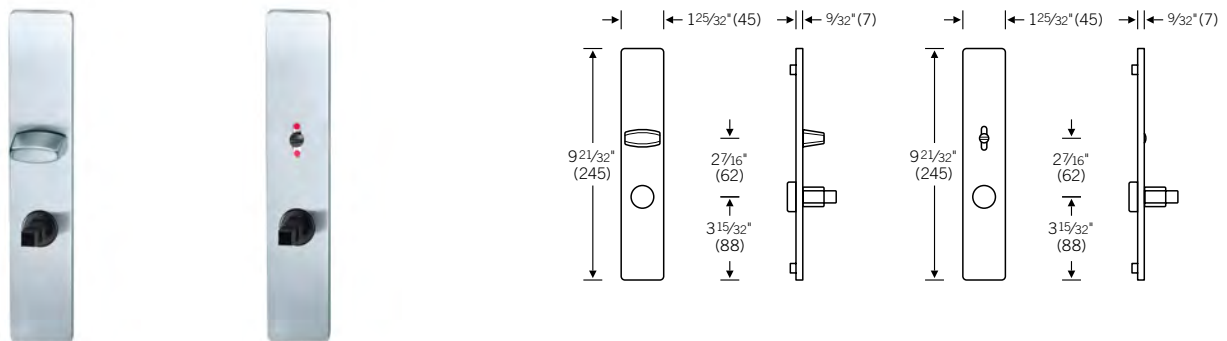
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1410 09113 

Trim Set - Includes two rose assemblies, spindle and screws

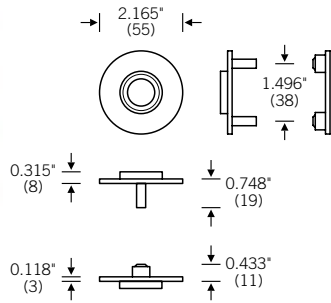


Flush Rose and Thumbturn RJ Series SML

RJ

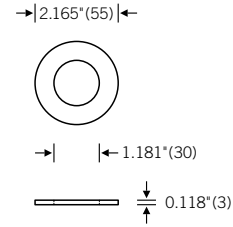
17 1736 09011 ■
0.118 × 2.165" (3 × 55 mm)

Trim Set - Includes two rose assemblies and screws



Cylinder Ring

17 1737 19005 ■
0.118 × 2.165" (3 × 55 mm)



Cylinder must be ordered separately

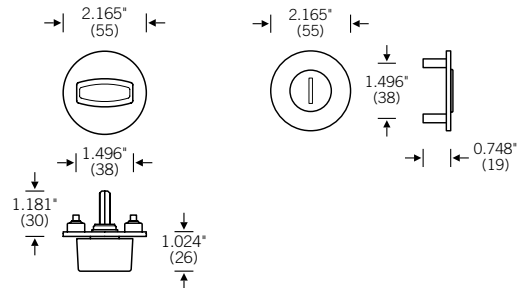
SML

Thumbturn for RJ Flush Rose

Standard Turn with Emergency Release (SN)

17 1737 9019M ■

Trim Set - Includes two rose assemblies, spindle and screws



RJ trim cannot be purchased independently from lockset. Trim number for reference only.

RJ trim is available for 1 3/4" door thickness only.

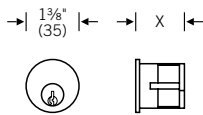
RJ Trim only available in Satin Stainless Steel, Finish 6204.

The following lever designs are not available with the RJ Flush Rose: 1051, 1058, 1163, 1164, 1241

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 except RJ Call FSB for RJ Cyl Dimen.	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

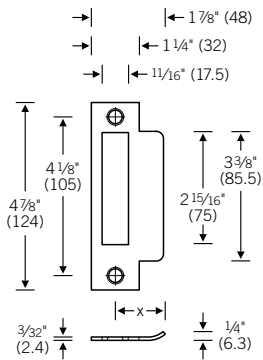
SML Series Mortise Strike (ANSI/ASA Strike) with dustbox

Standard **M1** = 1 1/4" (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 1/4"	1 3/8" - 1 3/4"	Curved Lip (Std.)
M2	1 1/8"	1 1/2"	Curved Lip
M3	1 3/8"	2"	Curved Lip
M4	1 1/2"	2 1/4"	Curved Lip
M5	1 3/4"	2 3/4"	Curved Lip
M6	2"	3 1/4"	Curved Lip
M7	2 1/4"	3 1/4"	Curved Lip
M8	2 1/2"	4 1/4"	Curved Lip
M9	2 3/4"	4 3/4"	Curved Lip
M10	3"	5 1/4"	Curved Lip
M11	1 3/4"	2 3/4"	Open Back
M12	2"	3 1/4"	Open Back
M13	2 1/4"	3 1/4"	Open Back

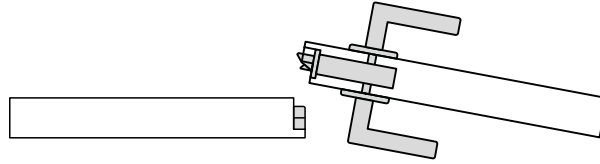
*Based on Lock centered in door
Functions D, F, G, I, J, and K are handed.

For custom strikes, please call FSB.

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

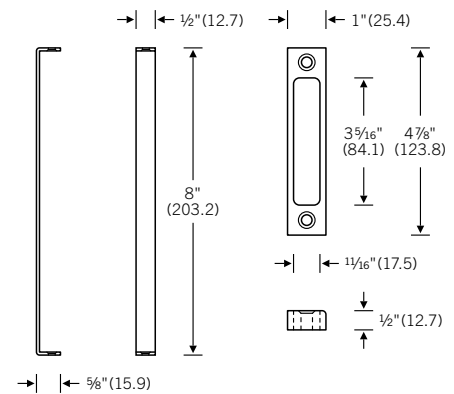
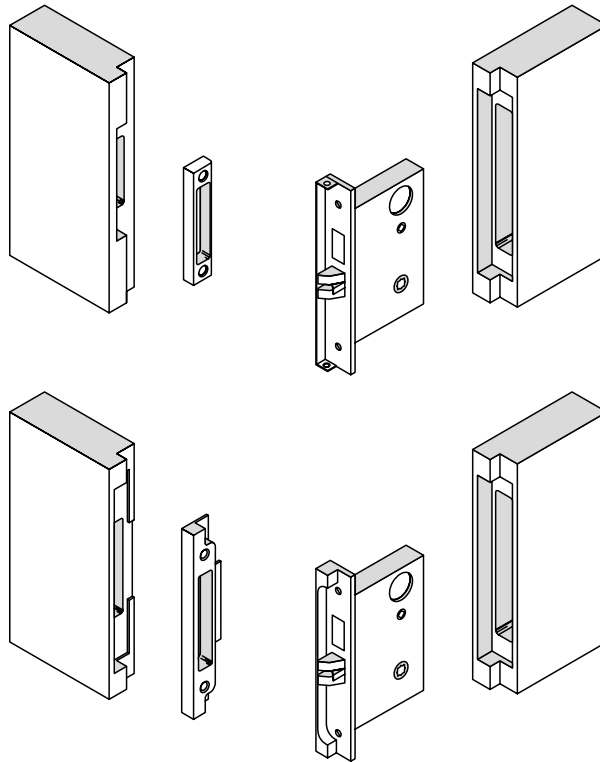
SML Lock Series

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.

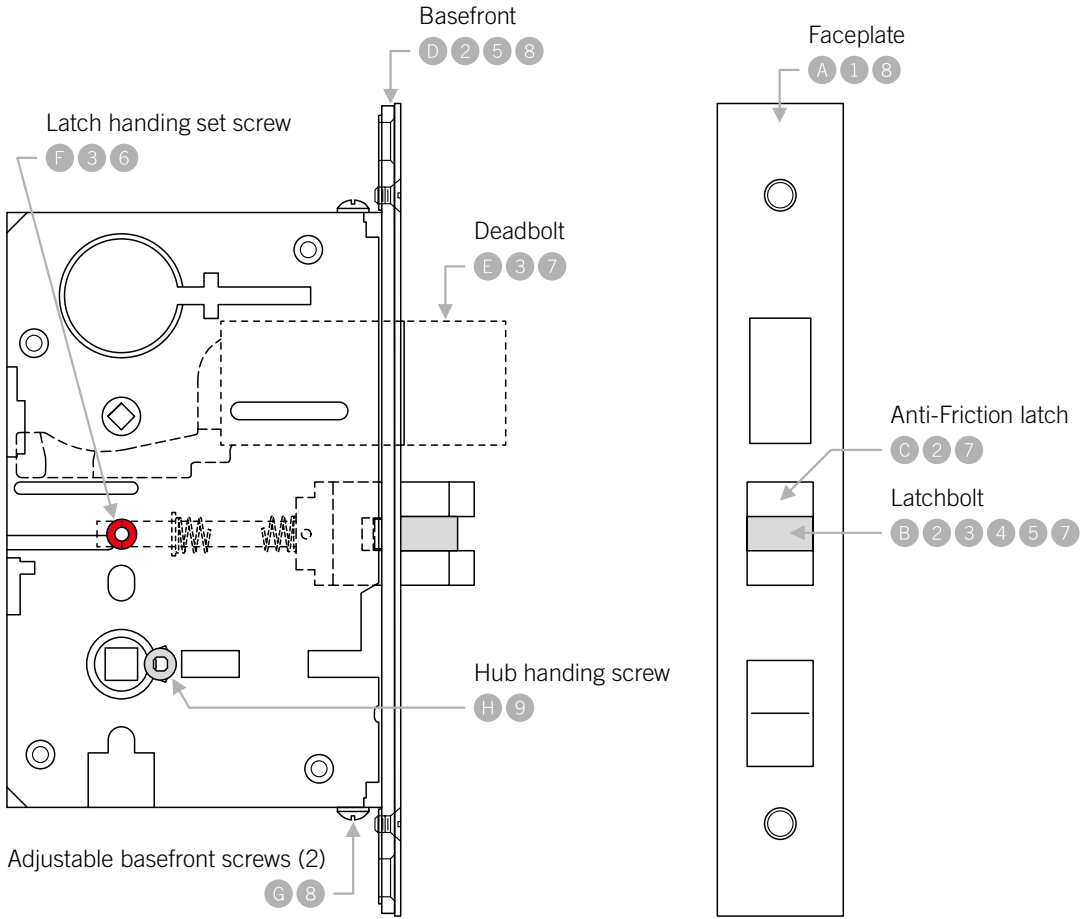


Technical drawing for RFS1 Standard Strike.

SML

SML Lock Series Reverse Handing for Spring Latch

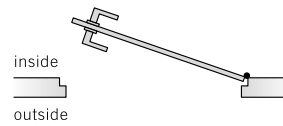
Technical Explanation



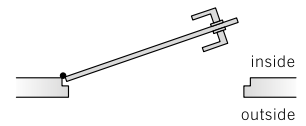
Current Hand	Required Hand	Task		
		Flip Latch	Reverse Hubs	Strike Needed*
LH	RH	•	•	RH
RH	LH	•	•	LH
LR	RR	•	•	LH
RR	LR	•	•	RH
LH	LR	•		RH
RH	RR	•		LH
LH	RR		•	LH
RH	LR		•	RH

* 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.

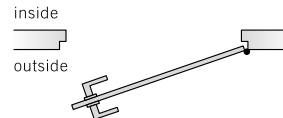
RH Right Hand



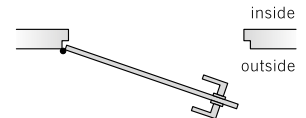
LH Left Hand



RR Right Hand Reverse

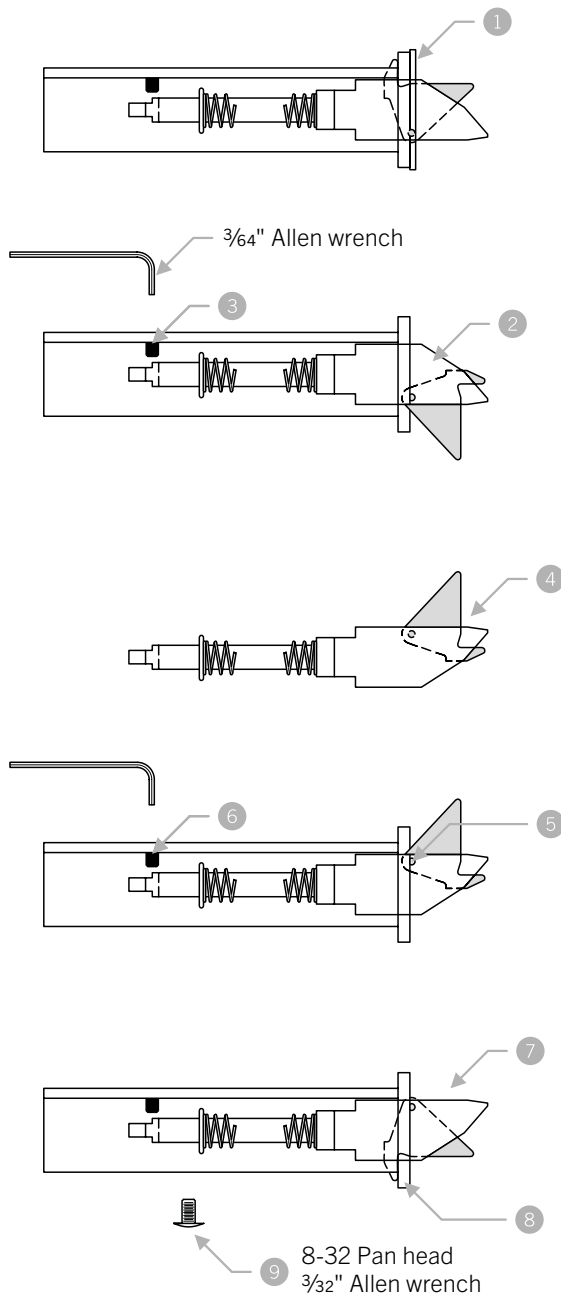


LR Left Hand Reverse



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



1005



1023



1035



1070



1107



1108



1146



1147

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	878.55	972.70	949.40	1062.03	977.41	1101.22
B	Dormitory	904.50	1011.36	975.35	1100.69	998.95	1134.12
C	Passage	665.12	736.09	735.97	825.42	727.38	816.95
E	Privacy	860.60	966.23	931.45	1055.56	971.00	1109.69
G	Classroom	853.80	936.36	924.65	1025.68	934.36	1041.04
H	Entrance	946.01	1052.87	1016.86	1142.20	1040.45	1175.62
I	Office	853.80	936.36	924.65	1025.68	934.36	1041.04
J	Storeroom	843.29	925.85	914.14	1015.18	923.85	1030.54
K	Apartment	978.85	1085.71	1049.70	1175.04	1073.29	1208.46
T	Patio	818.65	913.92	889.50	1003.24	894.79	1012.84
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1176.92	1259.48	1247.77	1348.81	1257.48	1364.17
JEL	Institutional Elec, Fail Safe	1176.92	1259.48	1247.77	1348.81	1257.48	1364.17
Magnetic Functions							
BM	Dormitory	1622.99	1729.86	1693.84	1819.18	1717.44	1852.61
CM	Passage	1383.62	1454.58	1454.47	1543.91	1445.87	1535.44
EM	Privacy	1579.09	1684.72	1649.94	1774.05	1689.49	1828.19
JM	Storeroom	1530.78	1613.34	1601.63	1702.67	1611.34	1718.03
TM	Patio	1537.14	1632.41	1607.99	1721.74	1613.28	1731.33
Dummy Functions							
Y	Active Double Dummy	564.30	635.27	635.15	724.60	626.56	716.13
YS	Active Double Strike	1143.30	1214.27	1214.15	1303.60	1205.56	1295.12
Z	Active Single Dummy	535.97	571.46	571.40	616.12	567.10	611.88
ZS	Active Single Strike	1114.97	1150.45	1150.39	1195.12	1146.10	1190.88
Deadlock Functions							
N	Key x Key	398.84	422.02	398.84	422.02	435.44	469.69
P	Key x TT	415.90	451.80	415.90	451.80	448.09	493.69

Options are found on page 143.

Keying Charges are found on page 654.

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



1075



1076



1078



1080



1160



1178

SML



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	974.70	1099.46	N/A	N/A	N/A	N/A	932.57	1041.20
B	1025.20	1171.11	N/A	N/A	1021.96	N/A	976.94	1106.40
C	754.69	854.37	N/A	N/A	884.62	N/A	785.05	890.03
E	1045.87	1212.93	N/A	N/A	951.46	N/A	942.57	1071.97
G	946.66	1058.87	N/A	N/A	1057.93	N/A	934.59	1041.40
H	1066.71	1212.62	N/A	N/A	1063.46	N/A	1018.45	1147.91
I	946.66	1058.87	N/A	N/A	1057.93	N/A	934.59	1041.40
J	936.15	1048.37	N/A	N/A	1047.42	N/A	924.08	1030.89
K	1099.55	1245.46	N/A	N/A	1096.30	N/A	1051.28	1180.74
T	936.05	1069.43	N/A	N/A	951.46	N/A	921.39	1049.03
<hr/>								
JEU	1269.78	1382.00	N/A	N/A	N/A	N/A	1257.72	1364.52
JEL	1269.78	1382.00	N/A	N/A	N/A	N/A	1257.72	1364.52
<hr/>								
BM	1743.69	1889.60	N/A	N/A	1740.45	N/A	1695.43	1824.89
CM	1473.18	1572.86	N/A	N/A	1603.11	N/A	1503.54	1608.52
EM	1764.36	1931.42	N/A	N/A	1669.95	N/A	1654.89	1784.29
JM	1623.64	1735.86	N/A	N/A	1734.92	N/A	1611.58	1718.38
TM	1654.54	1787.92	N/A	N/A	1669.95	N/A	1639.88	1767.52
<hr/>								
Y	790.15	930.68	N/A	N/A	N/A	N/A	684.23	789.21
YS	1369.15	1509.67	N/A	N/A	N/A	N/A	1263.23	1368.21
Z	648.90	719.16	N/A	N/A	N/A	N/A	595.94	648.43
ZS	1227.89	1298.16	N/A	N/A	N/A	N/A	1171.99	1224.48
<hr/>								
N	405.43	430.49	N/A	N/A	N/A	N/A	398.84	422.02
P	447.04	493.26	N/A	N/A	N/A	N/A	415.90	451.80

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

 Example for Specifying

Premium Series - SML

Standard Mortise Locks



1003



1015



1016



1058



1177



1242



1267



1271

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	937.40	1090.39	1008.25	1179.72	1036.26	1218.91
B	Dormitory	963.35	1129.06	1034.20	1218.38	1057.79	1251.81
C	Passage	723.97	853.78	794.82	943.11	786.23	934.64
E	Privacy	919.45	1083.92	990.30	1173.25	1029.84	1227.39
G	Classroom	912.64	1054.05	983.49	1143.38	993.20	1158.73
H	Entrance	1004.85	1170.56	1075.70	1259.89	1099.30	1293.31
I	Office	912.64	1054.05	983.49	1143.38	993.20	1158.73
J	Storeroom	902.13	1043.54	972.98	1132.87	982.69	1148.23
K	Apartment	1037.69	1203.40	1108.54	1292.73	1132.14	1326.15
T	Patio	877.49	1031.61	948.34	1120.93	953.64	1130.53
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1235.77	1377.17	1306.62	1466.50	1316.33	1481.86
JEL	Institutional Elec, Fail Safe	1235.77	1377.17	1306.62	1466.50	1316.33	1481.86
Magnetic Functions							
BM	Dormitory	1681.84	1847.55	1752.69	1936.87	1776.29	1970.30
CM	Passage	1442.46	1572.27	1513.31	1661.60	1504.72	1653.13
EM	Privacy	1637.94	1802.41	1708.79	1891.74	1748.33	1945.88
JM	Storeroom	1589.63	1731.03	1660.48	1820.36	1670.19	1835.72
TM	Patio	1595.98	1750.10	1666.83	1839.43	1672.13	1849.02
Dummy Functions							
Y	Active Double Dummy	623.15	752.96	694.00	842.29	685.41	833.82
YS	Active Double Strike	1202.15	1331.96	1273.00	1421.29	1264.41	1412.81
Z	Active Single Dummy	565.40	630.30	600.82	674.97	596.52	670.73
ZS	Active Single Strike	1144.39	1209.30	1179.82	1253.96	1175.52	1249.73
Deadlock Functions							
N	Key x Key	398.84	422.02	398.84	422.02	435.44	469.69
P	Key x TT	415.90	451.80	415.90	451.80	448.09	493.69

Options are found on page 143.

Keying Charges are found on page 654.

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



1093



1106



1144



1176

SML



RP



RF

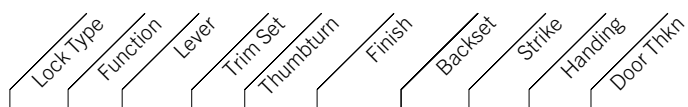


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1033.55	1217.15	N/A	N/A	N/A	N/A	991.42	1158.89
B	1084.05	1288.80	N/A	N/A	1080.80	N/A	1035.79	1224.09
C	813.53	972.06	N/A	N/A	943.46	N/A	843.90	1007.72
E	1104.71	1330.62	N/A	N/A	1010.30	N/A	1001.42	1189.67
G	1005.50	1176.56	N/A	N/A	1116.78	N/A	993.44	1159.09
H	1125.55	1330.31	N/A	N/A	1122.31	N/A	1077.29	1265.60
I	1005.50	1176.56	N/A	N/A	1116.78	N/A	993.44	1159.09
J	994.99	1166.06	N/A	N/A	1106.27	N/A	982.93	1148.58
K	1158.39	1363.15	N/A	N/A	1155.15	N/A	1110.13	1298.44
T	994.90	1187.12	N/A	N/A	1010.30	N/A	980.23	1166.72
<hr/>								
JEU	1328.63	1499.69	N/A	N/A	N/A	N/A	1316.56	1482.21
JEL	1328.63	1499.69	N/A	N/A	N/A	N/A	1316.56	1482.21
<hr/>								
BM	1802.54	2007.29	N/A	N/A	1799.29	N/A	1754.28	1942.58
CM	1532.02	1690.55	N/A	N/A	1661.96	N/A	1562.39	1726.21
EM	1823.20	2049.11	N/A	N/A	1728.80	N/A	1713.73	1901.98
JM	1682.49	1853.55	N/A	N/A	1793.76	N/A	1670.42	1836.07
TM	1713.39	1905.61	N/A	N/A	1728.80	N/A	1698.73	1885.21
<hr/>								
Y	849.00	1048.37	N/A	N/A	N/A	N/A	743.08	906.90
YS	1428.00	1627.36	N/A	N/A	N/A	N/A	1322.07	1485.90
Z	678.32	778.00	N/A	N/A	N/A	N/A	625.36	707.27
ZS	1257.32	1357.00	N/A	N/A	N/A	N/A	1201.41	1283.33
<hr/>								
N	405.43	430.49	N/A	N/A	N/A	N/A	398.84	422.02
P	447.04	493.26	N/A	N/A	N/A	N/A	415.90	451.80



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

Example for Specifying

Premium Series - SML

Standard Mortise Locks



1025



1031



1045



1183



1244



1251

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1083.53	1233.18	1154.38	1322.51	1182.39	1361.70
B	Dormitory	1109.48	1271.85	1180.33	1361.17	1203.93	1394.60
C	Passage	870.11	996.57	940.96	1085.90	932.37	1077.43
E	Privacy	1065.59	1226.71	1136.44	1316.04	1175.98	1370.18
G	Classroom	1058.78	1196.84	1129.63	1286.17	1139.34	1301.53
H	Entrance	1150.99	1313.35	1221.84	1402.68	1245.44	1436.10
I	Office	1058.78	1196.84	1129.63	1286.17	1139.34	1301.53
J	Storeroom	1048.27	1186.33	1119.12	1275.66	1128.83	1291.02
K	Apartment	1183.83	1346.19	1254.68	1435.52	1278.28	1468.94
T	Patio	1023.63	1174.40	1094.48	1263.73	1099.77	1273.32
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1381.90	1519.96	1452.75	1609.29	1462.46	1624.65
JEL	Institutional Elec, Fail Safe	1381.90	1519.96	1452.75	1609.29	1462.46	1624.65
Magnetic Functions							
BM	Dormitory	1827.98	1990.34	1898.83	2079.67	1922.42	2113.09
CM	Passage	1588.60	1715.07	1659.45	1804.39	1650.86	1795.92
EM	Privacy	1784.08	1945.20	1854.93	2034.53	1894.47	2088.67
JM	Storeroom	1735.77	1873.82	1806.62	1963.15	1816.32	1978.51
TM	Patio	1742.12	1892.89	1812.97	1982.22	1818.27	1991.81
Dummy Functions							
Y	Active Double Dummy	769.29	895.75	840.14	985.08	831.55	976.61
YS	Active Double Strike	1348.28	1474.75	1419.13	1564.08	1410.54	1555.61
Z	Active Single Dummy	638.46	701.70	673.89	746.36	669.59	742.12
ZS	Active Single Strike	1217.46	1280.69	1252.89	1325.36	1248.59	1321.12
Deadlock Functions							
N	Key x Key	398.84	422.02	398.84	422.02	435.44	469.69
P	Key x TT	415.90	451.80	415.90	451.80	448.09	493.69

Options are found on page 143.

Keying Charges are found on page 654.

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



1053



1088



1119

SML



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1179.69	1359.94	N/A	N/A	N/A	N/A	1137.55	1301.68
B	1230.19	1431.59	N/A	N/A	1226.94	N/A	1181.92	1366.88
C	959.67	1114.85	N/A	N/A	1089.60	N/A	990.03	1150.51
E	1250.85	1473.41	N/A	N/A	1156.44	N/A	1147.56	1332.46
G	1151.64	1319.36	N/A	N/A	1262.91	N/A	1139.57	1301.88
H	1271.69	1473.10	N/A	N/A	1268.45	N/A	1223.43	1408.39
I	1151.64	1319.36	N/A	N/A	1262.91	N/A	1139.57	1301.88
J	1141.13	1308.85	N/A	N/A	1252.41	N/A	1129.07	1291.37
K	1304.53	1505.94	N/A	N/A	1301.28	N/A	1256.27	1441.23
T	1141.03	1329.91	N/A	N/A	1156.44	N/A	1126.37	1309.51
<hr/>								
JEU	1474.76	1642.48	N/A	N/A	N/A	N/A	1462.70	1625.00
JEL	1474.76	1642.48	N/A	N/A	N/A	N/A	1462.70	1625.00
<hr/>								
BM	1948.68	2150.08	N/A	N/A	1945.43	N/A	1900.42	2085.37
CM	1678.16	1833.35	N/A	N/A	1808.09	N/A	1708.53	1869.01
EM	1969.34	2191.90	N/A	N/A	1874.93	N/A	1859.87	2044.77
JM	1828.62	1996.34	N/A	N/A	1939.90	N/A	1816.56	1978.86
TM	1859.53	2048.40	N/A	N/A	1874.93	N/A	1844.86	2028.00
<hr/>								
Y	995.14	1191.16	N/A	N/A	N/A	N/A	889.21	1049.69
YS	1574.13	1770.16	N/A	N/A	1254.40	N/A	1468.21	1628.69
Z	751.39	849.40	N/A	N/A	491.63	N/A	698.43	778.67
ZS	1330.39	1428.40	N/A	N/A	929.46	N/A	1274.48	1354.72
<hr/>								
N	405.43	430.49	N/A	N/A	N/A	N/A	398.84	422.02
P	447.04	493.26	N/A	N/A	N/A	N/A	415.90	451.80

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

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1231.62	1384.62	1302.47	1473.95	1330.48	1513.14
B	Dormitory	1257.57	1423.28	1328.42	1512.61	1352.02	1546.03
C	Passage	1018.20	1148.01	1089.05	1237.34	1080.46	1228.86
E	Privacy	1213.67	1378.15	1284.52	1467.48	1324.07	1521.61
G	Classroom	1206.87	1348.28	1277.72	1437.60	1287.43	1452.96
H	Entrance	1299.08	1464.79	1369.93	1554.12	1393.53	1587.54
I	Office	1206.87	1348.28	1277.72	1437.60	1287.43	1452.96
J	Storeroom	1196.36	1337.77	1267.21	1427.09	1276.92	1442.45
K	Apartment	1331.92	1497.63	1402.77	1586.95	1426.37	1620.38
T	Patio	1171.72	1325.83	1242.57	1415.16	1247.86	1424.75
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1529.99	1671.40	1600.84	1760.73	1610.55	1776.09
JEL	Institutional Elec, Fail Safe	1529.99	1671.40	1600.84	1760.73	1610.55	1776.09
Magnetic Functions							
BM	Dormitory	1976.07	2141.77	2046.92	2231.10	2070.51	2264.53
CM	Passage	1736.69	1866.50	1807.54	1955.83	1798.95	1947.36
EM	Privacy	1932.17	2096.64	2003.02	2185.97	2042.56	2240.11
JM	Storeroom	1883.86	2025.26	1954.71	2114.59	1964.41	2129.95
TM	Patio	1890.21	2044.33	1961.06	2133.65	1966.36	2143.25
Dummy Functions							
Y	Active Double Dummy	917.38	1047.19	988.23	1136.52	979.64	1128.04
YS	Active Double Strike	1496.37	1626.19	1567.22	1715.52	1558.63	1707.04
Z	Active Single Dummy	712.51	777.42	747.93	822.08	743.64	817.84
ZS	Active Single Strike	1291.51	1356.41	1326.93	1401.08	1322.64	1396.84
Deadlock Functions							
N	Key x Key	398.84	422.02	398.84	422.02	435.44	469.69
P	Key x TT	415.90	451.80	415.90	451.80	448.09	493.69

Options are found on page 143.

Keying Charges are found on page 654.

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



	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1327.78	1511.37	N/A	N/A	N/A	N/A	1285.64	1453.12
B	1378.28	1583.03	N/A	N/A	1375.03	N/A	1330.01	1518.32
C	1107.76	1266.29	N/A	N/A	1237.69	N/A	1138.12	1301.95
E	1398.94	1624.85	N/A	N/A	1304.53	N/A	1295.65	1483.89
G	1299.73	1470.79	N/A	N/A	1411.00	N/A	1287.66	1453.31
H	1419.78	1624.54	N/A	N/A	1416.54	N/A	1371.52	1559.82
I	1299.73	1470.79	N/A	N/A	1411.00	N/A	1287.66	1453.31
J	1289.22	1460.28	N/A	N/A	1400.50	N/A	1277.16	1442.81
K	1452.62	1657.37	N/A	N/A	1449.37	N/A	1404.36	1592.66
T	1289.12	1481.34	N/A	N/A	1304.53	N/A	1274.46	1460.94
<hr/>								
JEU	1622.85	1793.92	N/A	N/A	N/A	N/A	1610.79	1776.44
JEL	1622.85	1793.92	N/A	N/A	N/A	N/A	1610.79	1776.44
<hr/>								
BM	2096.77	2301.52	N/A	N/A	2093.52	N/A	2048.50	2236.81
CM	1826.25	1984.78	N/A	N/A	1956.18	N/A	1856.62	2020.44
EM	2117.43	2343.34	N/A	N/A	2023.02	N/A	2007.96	2196.21
JM	1976.71	2147.78	N/A	N/A	2087.99	N/A	1964.65	2130.30
TM	2007.62	2199.84	N/A	N/A	2023.02	N/A	1992.95	2179.44
<hr/>								
Y	1143.23	1342.59	N/A	N/A	N/A	N/A	1037.30	1201.13
YS	1722.22	1921.59	N/A	N/A	N/A	N/A	1616.30	1780.13
Z	825.43	925.12	N/A	N/A	N/A	N/A	772.47	854.39
ZS	1404.43	1504.11	N/A	N/A	N/A	N/A	1348.53	1430.44
<hr/>								
N	405.43	430.49	N/A	N/A	N/A	N/A	398.84	422.02
P	447.04	493.26	N/A	N/A	N/A	N/A	415.90	451.80

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

SML

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1384.62	1561.16	1455.47	1650.48	1483.48	1689.68
B	Dormitory	1410.57	1599.82	1481.42	1689.15	1505.02	1722.57
C	Passage	1171.19	1324.55	1242.04	1413.87	1233.45	1405.40
E	Privacy	1366.67	1554.68	1437.52	1644.01	1477.07	1698.15
G	Classroom	1359.87	1524.81	1430.72	1614.14	1440.43	1629.50
H	Entrance	1452.08	1641.33	1522.93	1730.65	1546.53	1764.08
I	Office	1359.87	1524.81	1430.72	1614.14	1440.43	1629.50
J	Storeroom	1349.36	1514.30	1420.21	1603.63	1429.92	1618.99
K	Apartment	1484.92	1674.16	1555.77	1763.49	1579.36	1796.92
T	Patio	1324.72	1502.37	1395.57	1591.70	1400.86	1601.29
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1682.99	1847.94	1753.84	1937.26	1763.55	1952.62
JEL	Institutional Elec, Fail Safe	1682.99	1847.94	1753.84	1937.26	1763.55	1952.62
Magnetic Functions							
BM	Dormitory	2129.06	2318.31	2199.91	2407.64	2223.51	2441.06
CM	Passage	1889.69	2043.04	1960.54	2132.37	1951.95	2123.89
EM	Privacy	2085.17	2273.18	2156.02	2362.50	2195.56	2416.64
JM	Storeroom	2036.85	2201.80	2107.70	2291.12	2117.41	2306.48
TM	Patio	2043.21	2220.86	2114.06	2310.19	2119.35	2319.78
Dummy Functions							
Y	Active Double Dummy	1070.38	1223.73	1141.23	1313.05	1132.63	1304.58
YS	Active Double Strike	1649.37	1802.72	1720.22	1892.05	1711.63	1883.58
Z	Active Single Dummy	789.01	865.68	824.43	910.35	820.14	906.11
ZS	Active Single Strike	1368.01	1444.68	1403.43	1489.34	1399.13	1485.11
Deadlock Functions							
N	Key x Key	398.84	422.02	398.84	422.02	435.44	469.69
P	Key x TT	415.90	451.80	415.90	451.80	448.09	493.69

Options are found on page 143.

Keying Charges are found on page 654.

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



1164

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1480.77	1687.91	N/A	N/A	N/A	N/A	1438.64	1629.65
B	1531.27	1759.56	N/A	N/A	1528.03	N/A	1483.01	1694.85
C	1260.76	1442.83	N/A	N/A	1390.69	N/A	1291.12	1478.49
E	1551.94	1801.38	N/A	N/A	1457.53	N/A	1448.64	1660.43
G	1452.73	1647.33	N/A	N/A	1564.00	N/A	1440.66	1629.85
H	1572.78	1801.07	N/A	N/A	1569.53	N/A	1524.52	1736.36
I	1452.73	1647.33	N/A	N/A	1564.00	N/A	1440.66	1629.85
J	1442.22	1636.82	N/A	N/A	1553.49	N/A	1430.15	1619.34
K	1605.62	1833.91	N/A	N/A	1602.37	N/A	1557.36	1769.20
T	1442.12	1657.88	N/A	N/A	1457.53	N/A	1427.46	1637.48
<hr/>								
JEU	1775.85	1970.45	N/A	N/A	N/A	N/A	1763.79	1952.98
JEL	1775.85	1970.45	N/A	N/A	N/A	N/A	1763.79	1952.98
<hr/>								
BM	2249.77	2478.06	N/A	N/A	2246.52	N/A	2201.50	2413.35
CM	1979.25	2161.32	N/A	N/A	2109.18	N/A	2009.61	2196.98
EM	2270.43	2519.88	N/A	N/A	2176.02	N/A	2160.96	2372.74
JM	2129.71	2324.31	N/A	N/A	2240.99	N/A	2117.65	2306.84
TM	2160.61	2376.37	N/A	N/A	2176.02	N/A	2145.95	2355.97
<hr/>								
Y	1296.22	1519.13	N/A	N/A	N/A	N/A	1190.30	1377.67
YS	1875.22	2098.13	N/A	N/A	N/A	N/A	1769.30	1956.66
Z	901.93	1013.39	N/A	N/A	N/A	N/A	848.97	942.65
ZS	1480.93	1592.38	N/A	N/A	N/A	N/A	1425.03	1518.71
<hr/>								
N	405.43	430.49	N/A	N/A	N/A	N/A	398.84	422.02
P	447.04	493.26	N/A	N/A	N/A	N/A	415.90	451.80

SML-E-1147-RA-SI-6204-234-M1-RH-134
 Example for Specifying

Premium Series - SML

Standard Mortise Locks



1015



1023



1106

Trim Choices



RA



RD



RM

Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1266.93	1325.78	1324.60	1374.26	1474.65	1533.38
B	Dormitory	1338.49	1401.16	1396.15	1449.65	1512.08	1567.39
C	Passage	1031.97	1090.81	1089.63	1139.30	1076.34	1135.06
E	Privacy	1390.39	1453.06	1448.06	1501.55	1441.88	1488.60
G	Classroom	1231.41	1290.25	1289.08	1338.74	1357.46	1416.18
H	Entrance	1379.99	1442.66	1437.66	1491.15	1553.59	1608.90
I	Office	1231.41	1290.25	1289.08	1338.74	1357.46	1416.18
J	Storeroom	1220.90	1279.75	1278.57	1328.23	1346.95	1405.67
K	Apartment	1412.83	1475.50	1470.50	1523.99	1586.43	1641.74
T	Patio	1241.86	1304.53	1299.53	1353.02	1333.78	1389.09
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1554.53	1613.38	1612.20	1661.87	1680.58	1739.31
JEL	Institutional Elec, Fail Safe	1554.53	1613.38	1612.20	1661.87	1680.58	1739.31
Magnetic Functions							
BM	Dormitory	2056.98	2119.65	2114.65	2168.14	2230.57	2285.89
CM	Passage	1750.46	1809.30	1808.13	1857.79	1794.83	1853.56
EM	Privacy	2108.88	2171.55	2166.55	2220.04	2160.37	2207.09
JM	Storeroom	1908.39	1967.24	1966.06	2015.73	2034.44	2093.17
TM	Patio	1960.35	2023.02	2018.02	2071.51	2052.27	2107.59
Dummy Functions							
Y	Active Double Dummy	931.15	989.99	988.82	1038.48	975.52	1034.24
YS	Active Double Strike	1750.46	1809.30	1808.13	1857.79	1794.83	1853.56
Z	Active Single Dummy	2108.88	2171.55	2166.55	2220.04	2160.37	2207.09
ZS	Active Single Strike	1908.39	1967.24	1966.06	2015.73	2034.44	2093.17
Deadlock Functions							
N	Key x Key	420.37	420.37	420.37	420.37	583.73	583.73
P	Key x TT	483.04	486.87	483.04	486.87	612.27	608.85

Options are found on page 143.

Keying Charges are found on page 654.

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



RS



RF

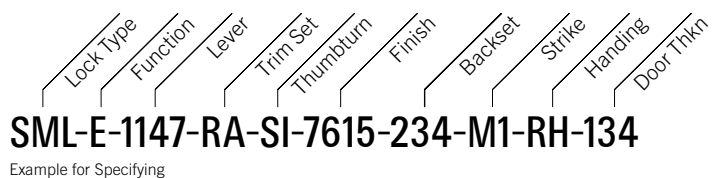


RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1305.89	1364.73
B	N/A	N/A	N/A	N/A	N/A	N/A	1356.32	1415.16
C	N/A	N/A	N/A	N/A	N/A	N/A	1148.13	1206.97
E	N/A	N/A	N/A	N/A	N/A	N/A	1317.95	1376.79
G	N/A	N/A	N/A	N/A	N/A	N/A	1302.79	1361.63
H	N/A	N/A	N/A	N/A	N/A	N/A	1397.82	1456.67
I	N/A	N/A	N/A	N/A	N/A	N/A	1302.79	1361.63
J	N/A	N/A	N/A	N/A	N/A	N/A	1292.28	1351.13
K	N/A	N/A	N/A	N/A	N/A	N/A	1430.66	1489.51
T	N/A	N/A	N/A	N/A	N/A	N/A	1295.65	1354.49
<hr/>								
JEU	N/A	N/A	N/A	N/A	N/A	N/A	1625.91	1684.76
JEL	N/A	N/A	N/A	N/A	N/A	N/A	1625.91	1684.76
<hr/>								
BM	N/A	N/A	N/A	N/A	N/A	N/A	2074.81	2133.65
CM	N/A	N/A	N/A	N/A	N/A	N/A	1866.62	1925.47
EM	N/A	N/A	N/A	N/A	N/A	N/A	2030.26	2089.11
JM	N/A	N/A	N/A	N/A	N/A	N/A	1979.77	2038.62
TM	N/A	N/A	N/A	N/A	N/A	N/A	2014.14	2072.98
<hr/>								
Y	N/A	N/A	N/A	N/A	N/A	N/A	1047.31	1106.15
YS	N/A	N/A	N/A	N/A	N/A	N/A	1626.31	1685.15
Z	N/A	N/A	N/A	N/A	N/A	N/A	777.47	806.90
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1353.53	1382.95
<hr/>								
N	N/A	N/A	N/A	N/A	N/A	N/A	420.37	420.37
P	N/A	N/A	N/A	N/A	N/A	N/A	483.04	486.87



Premium Series - SML

Standard Mortise Locks



1045



1053



1119

Trim Choices



RA



RD



RM

Standard Functions		7615	7625	7615	7625	7615	7625
A	Store Door	1325.78	1384.62	1383.44	1433.11	1533.50	1592.23
B	Dormitory	1397.33	1460.00	1455.00	1508.49	1570.93	1626.24
C	Passage	1090.81	1149.66	1148.48	1198.15	1135.18	1193.91
E	Privacy	1449.23	1511.90	1506.90	1560.39	1500.72	1547.45
G	Classroom	1290.25	1349.10	1347.92	1397.59	1416.30	1475.03
H	Entrance	1438.84	1501.51	1496.51	1550.00	1612.43	1667.75
I	Office	1290.25	1349.10	1347.92	1397.59	1416.30	1475.03
J	Storeroom	1279.75	1338.59	1337.41	1387.08	1405.79	1464.52
K	Apartment	1471.68	1534.35	1529.34	1582.84	1645.27	1700.59
T	Patio	1300.71	1363.38	1358.38	1411.87	1392.62	1447.94
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1613.38	1672.22	1671.05	1720.71	1739.43	1798.15
JEL	Institutional Elec, Fail Safe	1613.38	1672.22	1671.05	1720.71	1739.43	1798.15
Magnetic Functions							
BM	Dormitory	2115.82	2178.49	2173.49	2226.98	2289.42	2344.73
CM	Passage	1809.30	1868.15	1866.97	1916.64	1853.67	1912.40
EM	Privacy	2167.73	2230.40	2225.39	2278.88	2219.22	2265.94
JM	Storeroom	1967.24	2026.08	2024.91	2074.57	2093.29	2152.01
TM	Patio	2019.20	2081.87	2076.87	2130.36	2111.12	2166.43
Dummy Functions							
Y	Active Double Dummy	989.99	1048.84	1047.66	1097.33	1034.36	1093.09
YS	Active Double Strike	1568.99	1627.84	1626.66	1676.32	1613.36	1672.09
Z	Active Single Dummy	748.82	778.24	777.65	802.48	771.00	800.37
ZS	Active Single Strike	1327.81	1357.24	1356.65	1381.48	1350.00	1379.36
Deadlock Functions							
N	Key x Key	420.37	420.37	420.37	420.37	583.73	583.73
P	Key x TT	483.04	486.87	483.04	486.87	612.27	608.85

Options are found on page 143.

Keying Charges are found on page 654.

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



RS



RF

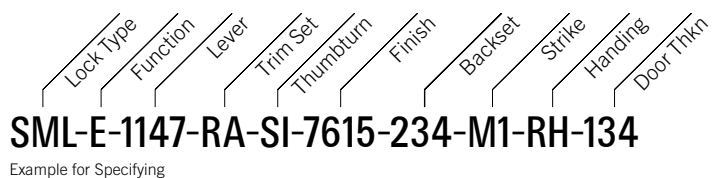


RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1364.73	1423.58
B	N/A	N/A	N/A	N/A	N/A	N/A	1415.16	1474.01
C	N/A	N/A	N/A	N/A	N/A	N/A	1206.97	1265.82
E	N/A	N/A	N/A	N/A	N/A	N/A	1376.79	1435.64
G	N/A	N/A	N/A	N/A	N/A	N/A	1361.63	1420.48
H	N/A	N/A	N/A	N/A	N/A	N/A	1456.67	1515.51
I	N/A	N/A	N/A	N/A	N/A	N/A	1361.63	1420.48
J	N/A	N/A	N/A	N/A	N/A	N/A	1351.13	1409.97
K	N/A	N/A	N/A	N/A	N/A	N/A	1489.51	1548.35
T	N/A	N/A	N/A	N/A	N/A	N/A	1354.49	1413.34
<hr/>								
JEU	N/A	N/A	N/A	N/A	N/A	N/A	1684.76	1743.60
JEL	N/A	N/A	N/A	N/A	N/A	N/A	1684.76	1743.60
<hr/>								
BM	N/A	N/A	N/A	N/A	N/A	N/A	2133.65	2192.50
CM	N/A	N/A	N/A	N/A	N/A	N/A	1925.47	1984.31
EM	N/A	N/A	N/A	N/A	N/A	N/A	2089.11	2147.95
JM	N/A	N/A	N/A	N/A	N/A	N/A	2038.62	2097.46
TM	N/A	N/A	N/A	N/A	N/A	N/A	2072.98	2131.83
<hr/>								
Y	N/A	N/A	N/A	N/A	N/A	N/A	1106.15	1165.00
YS	N/A	N/A	N/A	N/A	N/A	N/A	1685.15	1744.00
Z	N/A	N/A	N/A	N/A	N/A	N/A	806.90	836.32
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1382.95	1412.37
<hr/>								
N	N/A	N/A	N/A	N/A	N/A	N/A	420.37	420.37
P	N/A	N/A	N/A	N/A	N/A	N/A	483.04	486.87



Premium Series - SML

Standard Mortise Locks



1004



1016



1076



1164

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
A	Store Door	1325.78	1443.47	1383.44	1491.95	1533.50	1651.07
B	Dormitory	1397.33	1518.85	1455.00	1567.34	1570.93	1685.09
C	Passage	1090.81	1208.50	1148.48	1256.99	1135.18	1252.75
E	Privacy	1449.23	1570.75	1506.90	1619.24	1500.72	1606.29
G	Classroom	1290.25	1407.94	1347.92	1456.43	1416.30	1533.87
H	Entrance	1438.84	1560.35	1496.51	1608.84	1612.43	1726.59
I	Office	1290.25	1407.94	1347.92	1456.43	1416.30	1533.87
J	Storeroom	1279.75	1397.44	1337.41	1445.93	1405.79	1523.37
K	Apartment	1471.68	1593.19	1529.34	1641.68	1645.27	1759.43
T	Patio	1300.71	1422.22	1358.38	1470.71	1392.62	1506.78
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1613.38	1731.07	1671.05	1779.56	1739.43	1857.00
JEL	Institutional Elec, Fail Safe	1613.38	1731.07	1671.05	1779.56	1739.43	1857.00
Magnetic Functions							
BM	Dormitory	2115.82	2237.34	2173.49	2285.83	2289.42	2403.58
CM	Passage	1809.30	1927.00	1866.97	1975.48	1853.67	1971.25
EM	Privacy	2167.73	2289.24	2225.39	2337.73	2219.22	2324.78
JM	Storeroom	1967.24	2084.93	2024.91	2133.42	2093.29	2210.86
TM	Patio	2019.20	2140.72	2076.87	2189.20	2111.12	2225.28
Dummy Functions							
Y	Active Double Dummy	989.99	1107.68	1047.66	1156.17	1034.36	1151.94
YS	Active Double Strike	1568.99	1686.68	1626.66	1735.17	1613.36	1730.93
Z	Active Single Dummy	748.82	807.66	777.65	831.91	771.00	829.79
ZS	Active Single Strike	1327.81	1386.66	1356.65	1410.90	1350.00	1408.79
Deadlock Functions							
N	Key x Key	420.37	420.37	420.37	420.37	583.73	583.73
P	Key x TT	483.04	486.87	483.04	486.87	612.27	608.85

Options are found on page 143.

Keying Charges are found on page 654.

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



1102
Available in 7615 only



1134



1163

SML



RS



RF



RJ



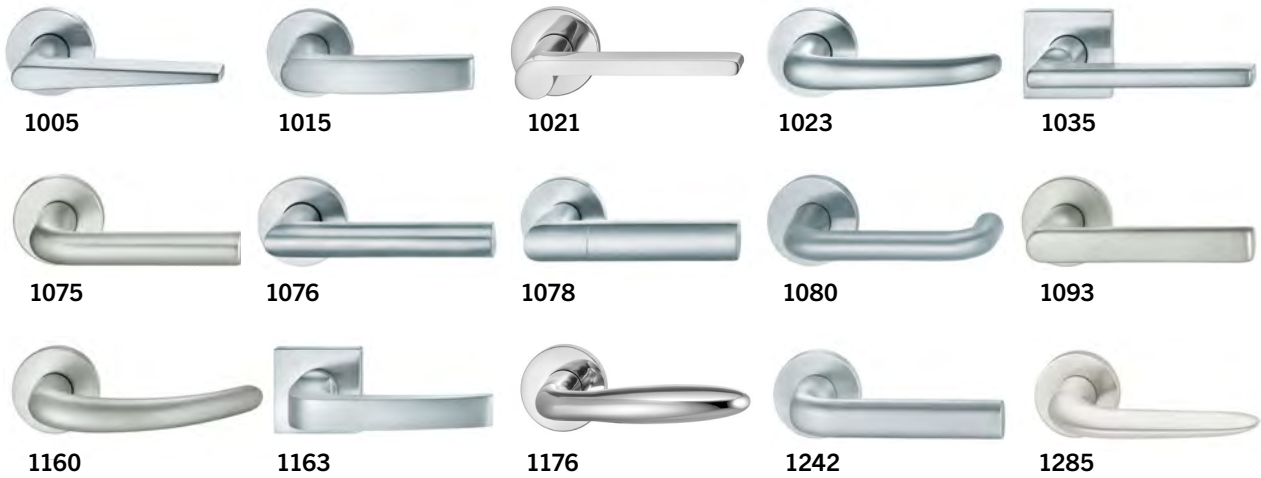
EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1364.73	1482.42
B	N/A	N/A	N/A	N/A	N/A	N/A	1415.16	1532.85
C	N/A	N/A	N/A	N/A	N/A	N/A	1206.97	1324.66
E	N/A	N/A	N/A	N/A	N/A	N/A	1376.79	1494.49
G	N/A	N/A	N/A	N/A	N/A	N/A	1361.63	1479.32
H	N/A	N/A	N/A	N/A	N/A	N/A	1456.67	1574.36
I	N/A	N/A	N/A	N/A	N/A	N/A	1361.63	1479.32
J	N/A	N/A	N/A	N/A	N/A	N/A	1351.13	1468.82
K	N/A	N/A	N/A	N/A	N/A	N/A	1489.51	1607.20
T	N/A	N/A	N/A	N/A	N/A	N/A	1354.49	1472.18
<hr/>								
JEU	N/A	N/A	N/A	N/A	N/A	N/A	1684.76	1802.45
JEL	N/A	N/A	N/A	N/A	N/A	N/A	1684.76	1802.45
<hr/>								
BM	N/A	N/A	N/A	N/A	N/A	N/A	2133.65	2251.35
CM	N/A	N/A	N/A	N/A	N/A	N/A	1925.47	2043.16
EM	N/A	N/A	N/A	N/A	N/A	N/A	2089.11	2206.80
JM	N/A	N/A	N/A	N/A	N/A	N/A	2038.62	2156.31
TM	N/A	N/A	N/A	N/A	N/A	N/A	2072.98	2190.68
<hr/>								
Y	N/A	N/A	N/A	N/A	N/A	N/A	1106.15	1223.84
YS	N/A	N/A	N/A	N/A	N/A	N/A	1685.15	1802.84
Z	N/A	N/A	N/A	N/A	N/A	N/A	806.90	865.74
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1382.95	1441.80
<hr/>								
N	N/A	N/A	N/A	N/A	N/A	N/A	420.37	420.37
P	N/A	N/A	N/A	N/A	N/A	N/A	483.04	486.87

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	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	703.78	782.28	780.40	889.50	887.02	1142.30
B	Dormitory	713.43	804.70	790.05	911.92	895.97	1111.93
C	Passage	522.36	587.33	598.98	694.55	609.69	709.61
E	Privacy	670.30	762.62	746.91	869.84	854.36	1020.19
G	Classroom	695.03	766.76	771.65	873.98	830.32	1007.91
H	Entrance	754.94	846.21	831.55	953.42	937.48	1153.44
I	Office	695.03	766.76	771.65	873.98	830.32	1007.91
J	Storeroom	684.52	756.26	761.14	863.47	819.81	997.41
K	Apartment	787.77	879.04	864.39	986.26	970.31	1186.28
T	Patio	643.58	728.08	720.20	835.30	778.16	916.45
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1018.16	1089.89	1094.77	1197.11	1153.44	1331.04
JEL	Institutional Elec, Fail Safe	1018.16	1089.89	1094.77	1197.11	1153.44	1331.04
Magnetic Functions							
BM	Dormitory	1431.92	1523.19	1508.54	1630.41	1614.46	1830.42
CM	Passage	1240.86	1305.82	1317.47	1413.04	1328.18	1428.10
EM	Privacy	1388.79	1481.12	1465.41	1588.33	1572.86	1738.68
JM	Storeroom	1372.02	1443.75	1448.63	1550.97	1507.30	1684.90
TM	Patio	1362.07	1446.57	1438.69	1553.79	1496.65	1634.94
Dummy Functions							
Y	Active Double Dummy	421.55	486.51	498.16	593.73	508.87	608.79
YS	Active Double Strike	1000.54	1065.51	1077.16	1172.72	1087.87	1187.79
Z	Active Single Dummy	464.59	497.08	502.90	550.68	508.26	558.22
ZS	Active Single Strike	1043.59	1076.07	1081.90	1129.68	1087.25	1137.21
Deadlock Functions							
N	Key x Key	366.82	380.36	366.82	380.36	462.74	618.09
P	Key x TT	367.59	393.89	367.59	393.89	462.80	578.84

Options are found on page 143.

Keying Charges are found on page 654.

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

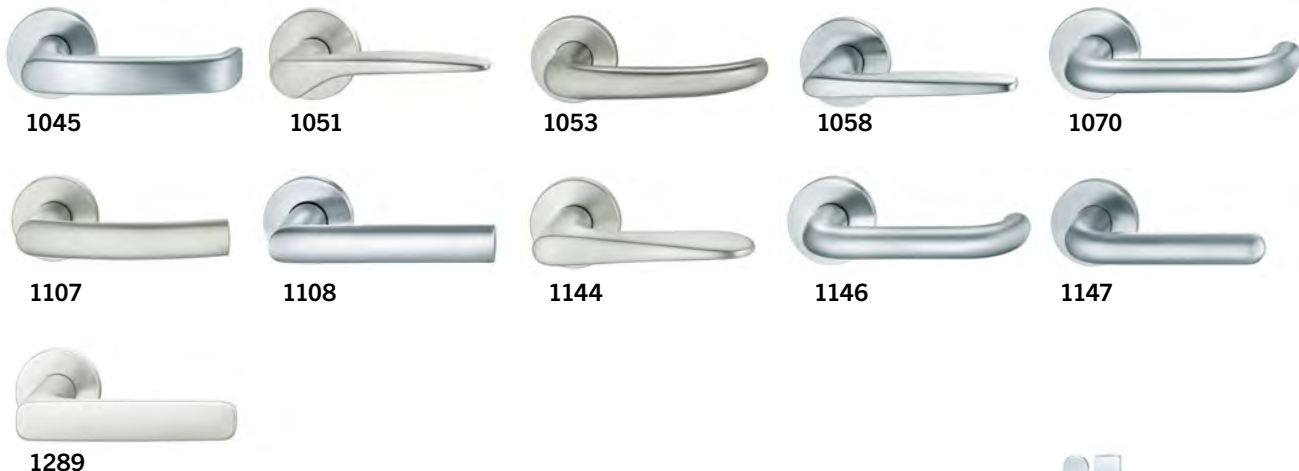
Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8



	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	779.06	880.38	N/A	N/A	N/A	N/A	798.99	902.79
B	833.91	957.73	N/A	N/A	N/A	N/A	836.24	958.76
C	580.69	663.54	N/A	N/A	N/A	N/A	652.30	752.92
E	858.93	1005.25	N/A	N/A	N/A	N/A	801.87	924.39
G	761.84	853.92	N/A	N/A	N/A	N/A	801.42	903.64
H	875.42	999.24	N/A	N/A	N/A	N/A	877.75	1000.26
I	761.84	853.92	N/A	N/A	N/A	N/A	801.42	903.64
J	751.33	843.41	N/A	N/A	N/A	N/A	790.92	893.13
K	908.26	1032.07	N/A	N/A	N/A	N/A	910.59	1033.10
T	755.59	870.17	N/A	N/A	N/A	N/A	781.10	902.03
<hr/>								
JEU	1084.96	1177.04	N/A	N/A	N/A	N/A	1124.55	1226.76
JEL	1084.96	1177.04	N/A	N/A	N/A	N/A	1124.55	1226.76
<hr/>								
BM	1552.41	1676.22	N/A	N/A	N/A	N/A	1554.73	1677.25
CM	1299.19	1382.03	N/A	N/A	N/A	N/A	1370.79	1471.41
EM	1577.43	1723.74	N/A	N/A	N/A	N/A	1514.19	1636.70
JM	1438.82	1530.90	N/A	N/A	N/A	N/A	1478.41	1580.62
TM	1474.08	1588.66	N/A	N/A	N/A	N/A	1499.59	1620.52
<hr/>								
Y	559.86	666.70	N/A	N/A	N/A	N/A	608.79	551.48
YS	1138.86	1245.69	N/A	N/A	N/A	N/A	1187.79	1130.47
Z	533.75	587.17	N/A	N/A	N/A	N/A	558.22	529.56
ZS	1112.75	1166.17	N/A	N/A	N/A	N/A	1137.21	1105.61
<hr/>								
N	383.77	402.25	N/A	N/A	N/A	N/A	366.82	380.36
P	429.74	470.72	N/A	N/A	N/A	N/A	367.59	393.89

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



1001



1003



1016



1119



1164



1177

Trim Choices



RA



RD



RM

		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	762.62	864.66	839.24	971.88	945.87	1224.68
B	Dormitory	772.28	887.08	848.89	994.30	954.81	1194.31
C	Passage	581.21	669.71	657.83	776.93	668.54	791.99
E	Privacy	729.14	845.01	805.76	952.22	913.21	1102.57
G	Classroom	753.88	849.15	830.49	956.36	889.16	1090.30
H	Entrance	813.78	928.59	890.40	1035.81	996.32	1235.82
I	Office	753.88	849.15	830.49	956.36	889.16	1090.30
J	Storeroom	743.37	838.64	819.99	945.86	878.66	1079.79
K	Apartment	846.62	961.43	923.24	1068.64	1029.16	1268.66
T	Patio	702.43	810.47	779.04	917.68	837.01	998.83
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1077.00	1172.27	1153.62	1279.49	1212.29	1413.42
JEL	Institutional Elec, Fail Safe	1077.00	1172.27	1153.62	1279.49	1212.29	1413.42
Magnetic Functions							
BM	Dormitory	1490.77	1605.58	1567.38	1712.79	1673.31	1912.81
CM	Passage	1299.70	1388.21	1376.32	1495.42	1387.03	1510.49
EM	Privacy	1447.63	1563.50	1524.25	1670.72	1631.70	1821.07
JM	Storeroom	1430.86	1526.13	1507.48	1633.35	1566.15	1767.28
TM	Patio	1420.92	1528.96	1497.53	1636.17	1555.50	1717.32
Dummy Functions							
Y	Active Double Dummy	480.39	568.89	557.01	676.11	567.72	691.18
YS	Active Double Strike	1059.39	1147.89	1136.01	1255.11	1146.72	1270.17
Z	Active Single Dummy	494.02	538.27	532.32	591.88	537.68	599.41
ZS	Active Single Strike	1073.01	1117.26	1111.32	1170.87	1116.68	1178.41
Deadlock Functions							
N	Key x Key	366.82	380.36	366.82	380.36	462.74	618.09
P	Key x TT	367.59	393.89	367.59	393.89	462.80	578.84

Options are found on page 143.

Keying Charges are found on page 654.

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

Anodized Aluminum

0105 0510
0205 0710
0410 0810

Powder Coated

8120
8220

Full list on page 8



1031



1088



1106



1178



1241



1271



RP



RF

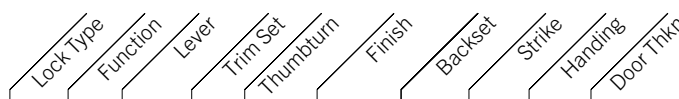


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	837.90	962.76	N/A	N/A	N/A	N/A	857.84	985.18
B	892.76	1040.11	N/A	N/A	N/A	N/A	895.09	1041.14
C	639.54	745.92	N/A	N/A	N/A	N/A	711.14	835.30
E	917.78	1087.63	N/A	N/A	N/A	N/A	860.72	1006.77
G	820.68	936.30	N/A	N/A	N/A	N/A	860.27	986.02
H	934.27	1081.62	N/A	N/A	N/A	N/A	936.59	1082.65
I	820.68	936.30	N/A	N/A	N/A	N/A	860.27	986.02
J	810.17	925.79	N/A	N/A	N/A	N/A	849.76	975.51
K	967.10	1114.46	N/A	N/A	N/A	N/A	969.43	1115.48
T	814.43	952.55	N/A	N/A	N/A	N/A	839.95	984.41
<hr/>								
JEU	1143.81	1259.42	N/A	N/A	N/A	N/A	1183.39	1309.15
JEL	1143.81	1259.42	N/A	N/A	N/A	N/A	1183.39	1309.15
<hr/>								
BM	1611.25	1758.61	N/A	N/A	N/A	N/A	1613.58	1759.63
CM	1358.03	1464.41	N/A	N/A	N/A	N/A	1429.63	1553.80
EM	1636.27	1806.13	N/A	N/A	N/A	N/A	1573.03	1719.09
JM	1497.67	1613.28	N/A	N/A	N/A	N/A	1537.26	1663.01
TM	1532.93	1671.04	N/A	N/A	N/A	N/A	1558.44	1702.91
<hr/>								
Y	618.71	749.08	N/A	N/A	N/A	N/A	691.18	610.32
YS	1197.70	1328.08	N/A	N/A	N/A	N/A	1270.17	1189.32
Z	563.17	628.36	N/A	N/A	N/A	N/A	599.41	558.98
ZS	1142.17	1207.36	N/A	N/A	N/A	N/A	1178.41	1135.04
<hr/>								
N	383.77	402.25	N/A	N/A	N/A	N/A	366.82	380.36
P	429.74	470.72	N/A	N/A	N/A	N/A	367.59	393.89



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

Example for Specifying

Elements Series - SML

Standard Mortise Locks



1002



1004



1074



1244



1251



1267

Trim Choices



RA



RD



RM

		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	821.47	899.97	898.09	1007.19	1004.71	1259.99
B	Dormitory	831.12	922.39	907.74	1029.61	1013.66	1229.62
C	Passage	640.06	705.02	716.67	812.24	727.38	827.30
E	Privacy	787.99	880.32	864.60	987.53	972.06	1137.88
G	Classroom	812.72	884.46	889.34	991.67	948.01	1125.60
H	Entrance	872.63	963.90	949.24	1071.11	1055.17	1271.13
I	Office	812.72	884.46	889.34	991.67	948.01	1125.60
J	Storeroom	802.21	873.95	878.83	981.16	937.50	1115.10
K	Apartment	905.47	996.73	982.08	1103.95	1088.00	1303.97
T	Patio	761.27	845.77	837.89	952.99	895.85	1034.14
Electrified Functions							
JEU	Storeroom Elec, Fail Secure	1135.85	1207.58	1212.46	1314.80	1271.13	1448.73
JEL	Institutional Elec, Fail Safe	1135.85	1207.58	1212.46	1314.80	1271.13	1448.73
Magnetic Functions							
BM	Dormitory	1549.61	1640.88	1626.23	1748.10	1732.15	1948.11
CM	Passage	1358.55	1423.51	1435.16	1530.73	1445.87	1545.79
EM	Privacy	1506.48	1598.81	1583.10	1706.02	1690.55	1856.37
JM	Storeroom	1489.71	1561.44	1566.33	1668.66	1624.99	1802.59
TM	Patio	1479.76	1564.27	1556.38	1671.48	1614.34	1752.63
Dummy Functions							
Y	Active Double Dummy	539.24	604.20	615.85	711.42	626.56	726.48
YS	Active Double Strike	1118.23	1183.20	1194.85	1290.42	1205.56	1305.48
Z	Active Single Dummy	523.44	555.92	561.75	609.53	567.10	617.06
ZS	Active Single Strike	1102.44	1134.92	1140.74	1188.53	1146.10	1196.06
Deadlock Functions							
N	Key x Key	366.82	380.36	366.82	380.36	462.74	618.09
P	Key x TT	367.59	393.89	367.59	393.89	462.80	578.84

Options are found on page 143.

Keying Charges are found on page 654.

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

Anodized Aluminum

0105 0510
 0205 0710
 0410 0810

Powder Coated

8120
 8220

Full list on page 8



1102
Available in 0105 finish only



1134



1183

SML



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	896.75	998.07	N/A	N/A	N/A	N/A	916.68	1020.49
B	951.60	1075.42	N/A	N/A	N/A	N/A	953.93	1076.45
C	698.39	781.23	N/A	N/A	N/A	N/A	769.99	870.61
E	976.63	1122.94	N/A	N/A	N/A	N/A	919.57	1042.08
G	879.53	971.61	N/A	N/A	N/A	N/A	919.12	1021.33
H	993.11	1116.93	N/A	N/A	N/A	N/A	995.44	1117.95
I	879.53	971.61	N/A	N/A	N/A	N/A	919.12	1021.33
J	869.02	961.10	N/A	N/A	N/A	N/A	908.61	1010.82
K	1025.95	1149.77	N/A	N/A	N/A	N/A	1028.28	1150.79
T	873.28	987.86	N/A	N/A	N/A	N/A	898.79	1019.72
<hr/>								
JEU	1202.65	1294.73	N/A	N/A	N/A	N/A	1242.24	1344.45
JEL	1202.65	1294.73	N/A	N/A	N/A	N/A	1242.24	1344.45
<hr/>								
BM	1670.10	1793.91	N/A	N/A	N/A	N/A	1672.42	1794.94
CM	1416.88	1499.72	N/A	N/A	N/A	N/A	1488.48	1589.10
EM	1695.12	1841.43	N/A	N/A	N/A	N/A	1631.88	1754.40
JM	1556.51	1648.59	N/A	N/A	N/A	N/A	1596.10	1698.32
TM	1591.77	1706.35	N/A	N/A	N/A	N/A	1617.29	1738.21
<hr/>								
Y	677.55	784.39	N/A	N/A	N/A	N/A	726.48	669.17
YS	1256.55	1363.39	N/A	N/A	N/A	N/A	1305.48	1248.16
Z	592.60	646.01	N/A	N/A	N/A	N/A	617.06	588.40
ZS	1171.59	1225.01	N/A	N/A	N/A	N/A	1196.06	1164.46
<hr/>								
N	383.77	402.25	N/A	N/A	N/A	N/A	366.82	380.36
P	429.74	470.72	N/A	N/A	N/A	N/A	367.59	393.89

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	12.59
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	103.02
Latch Bolt	SL - Solid Latch bolt	Add	74.40
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	54.94
	2 ¾" to 3" Thick Doors	Add	139.65
	3 ½" to 3 ¾" Thick Doors	Add	209.48
	3 ½" to 3 ¾" Thick Doors	Add	238.09
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	120.19
	Rabbeted Strike and Band	Add	405.21
Electrified Monitoring	RX - Request to Exit Switch	Add	322.80
	DP - Door Position Switch	Add	322.80
	LM - Latchbolt Monitoring Switch	Add	322.80
Backsets	2 ½" Backset	Add	44.64
	3 ¾" Backset	Add	1050.81
	5" Backset	Add	1438.86
	6" Backset	Add	1797.14
Dust box	Metal Dust Box Stainless (6204)	Add	24.04
	Metal Dust Box Bronze	Add	24.04

Parts	Descriptions	Unit	Stainless	Bronze	
Strikes	M2-M4 Strikes	See strike chart in catalog for sizes	Each	40.06	48.08
	M5 -M10 Strikes	See strike chart in catalog for sizes	Each	49.22	59.52
	M1M	Strike for Magnetic Lock Body	Each	40.06	48.08
Faceplate	SML FP	Faceplate for SML Series	Each	40.06	48.08
Dust Box	SML 2002	Stainless Steel Dust Box	Each	24.04	N/A

SML Thumbturn and Release Options



ADA

Options	Descriptions	Price
Thumbturns	"D" Thumbturn (ADA TT) All Stainless Finishes	Add 143.08
	"D" Thumbturn (ADA TT) All Aluminum Finishes	Add 67.54



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

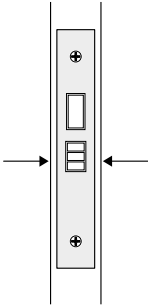
Narrow Mortise Locksets (NML)

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 1001* 1102 1002* 1106 1003 1107 1004 1108 1005 1119 1015 1134 1016 1144 1021 1146 1023 1147 1025 1160 1031 1163 1035 1164 1045 1176 1051* 1177 1053 1178 1058 1183 1070 1241* 1074 1242 1075 1244 1076 1251 1078 1271 1080 1267 1088 1285* 1093 1289* * Elements Only	Premium/Elements RA Rose 2 ³ / ₁₆ " (55 mm) RD Rose 2 ⁹ / ₁₆ " (65 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 C Trim only 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>Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0105 Natural Color (628) ■ 0205 Champagne Silver Color <p>Textured Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0410 Bronze Color ■ 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) 	<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> 

NML

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 174 for NML-Spring Latch strike lip to center information.

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

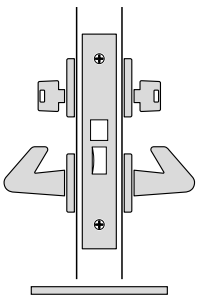
Function A

Store Door

Description

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

ANSI Code F14



Straight Spindle

Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

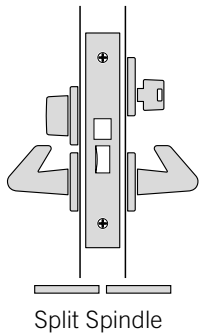
Narrow Mortise Locks

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



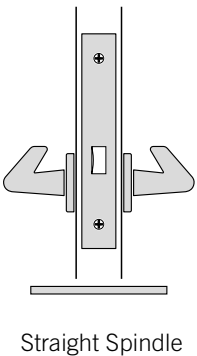
RP-C



Function C

Passage

ANSI Code F01



Description

Latch bolt by handle either side.

Premium and Elements Series Trim Sets

RA



RD



RF



RM



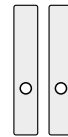
RP



EC



ED



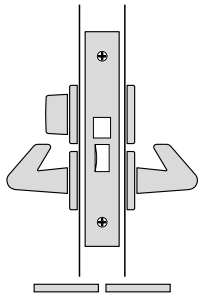
Narrow Mortise Locks

Series NML Functions

Function E

Privacy

ANSI Code F19



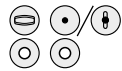
Split Spindle

Description

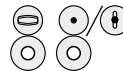
Latch bolt by handle either side.
 Deadbolt by thumbturn inside and emergency release outside.
 Use of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle.
 Outside handle is rigid when deadbolt is thrown by thumbturn.

Premium and Elements Series Trim Sets

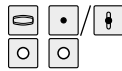
RA-SN/SI



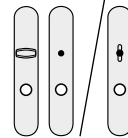
RD-SN/SI



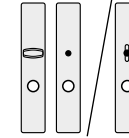
RM-SN/SI



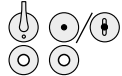
EC-SN/SI



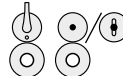
ED-SN/SI



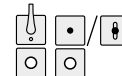
RA-DN/DI



RD-DN/DI



RM-DN/DI



RF-CI



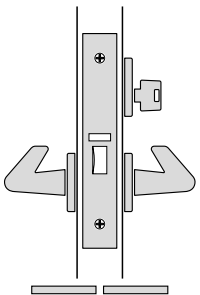
RP-CI



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



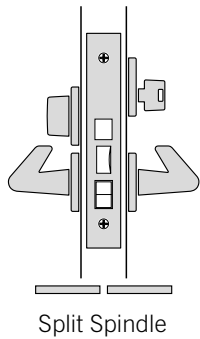
Narrow Mortise Locks

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



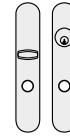
RD-S



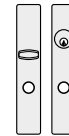
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



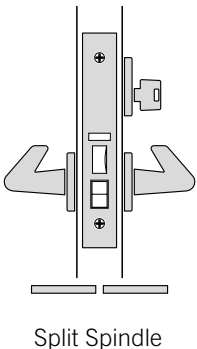
RP-C



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



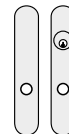
RF



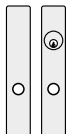
RP



EC



ED



Narrow Mortise Locks

Series NML Functions

Function J

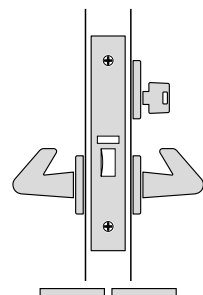
Storeroom

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



Split Spindle

RA



RD



RM



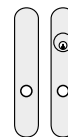
RF



RP



EC



ED



Function N

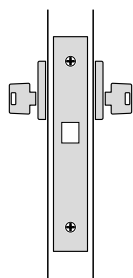
Key x Key Deadlock

ANSI Code F16

Description

Deadbolt by key either side.

Premium and Elements Series Trim Sets



RA



RD



RF



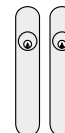
RM



RP



EC



ED



Narrow Mortise Locks

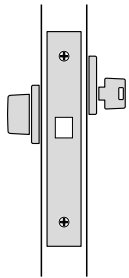
Series NML Functions

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



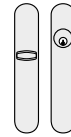
RD-S



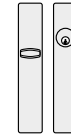
RM-S



EC-S



ED-S



RA-D



RD-D



RF-C



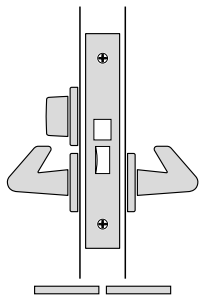
RP-C



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



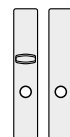
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



RP-C



Narrow Mortise Locks

Series NML Functions

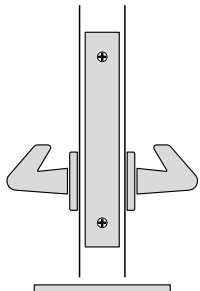
Function Y

(Double Lever)
Active Dummy
Mortise Case

Description
Active dummy handle either side.



NML



Straight Spindle

Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

Function YS

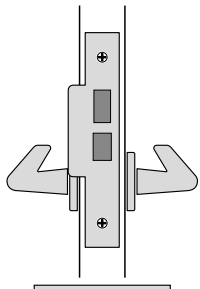
(Double Lever)
Active Dummy
Mortise Case
Prepared as Strike

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



For Pairs of Doors

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



Straight Spindle

Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

Narrow Mortise Locks

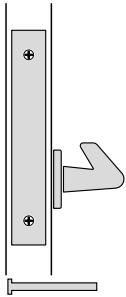
Series NML Functions

Function Z

**(Single Lever)
Active Dummy
Mortise Case**

Description

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



Premium and Elements Series Trim Sets

RA	RD	RF	RM	RP	EC	ED

NML

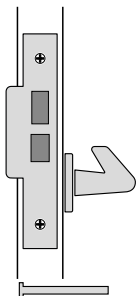
Function ZS

**(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	RP	EC	ED

Narrow Mortise Locks

Series NML Functions

Function BM

Magnetic Dormitory

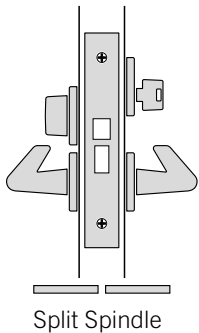
ANSI Code F13

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.



NML



Premium and Elements Series Trim Sets

RA-S



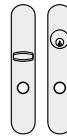
RD-S



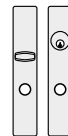
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



RP-C



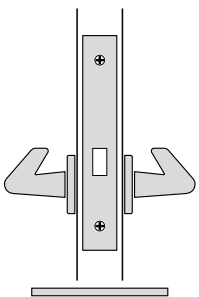
Function CM

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



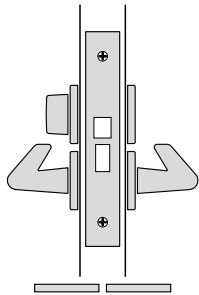
Narrow Mortise Locks

Series NML Functions

Function EM

Magnetic Privacy

ANSI Code F19



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.



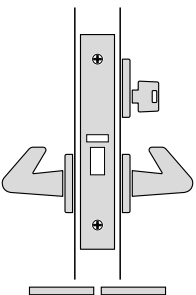
Premium and Elements Series Trim Sets

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 JM

Magnetic Storeroom

ANSI Code F07



Split Spindle

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

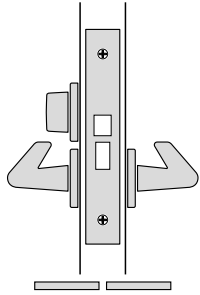
Magnetic Patio

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.



NML



Split Spindle

Premium and Elements Series Trim Sets

RA-S



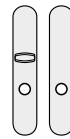
RD-S



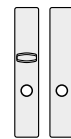
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D

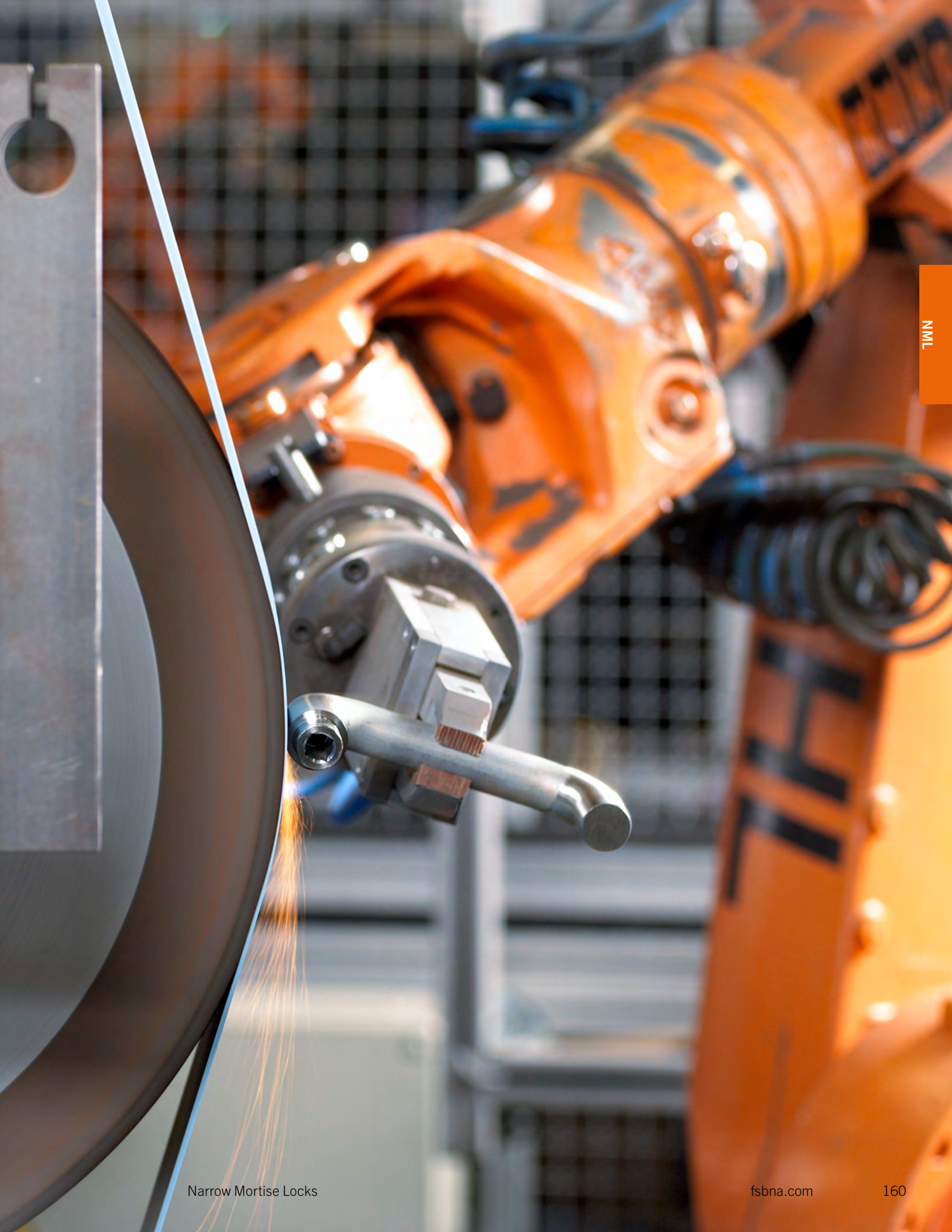


RF-C



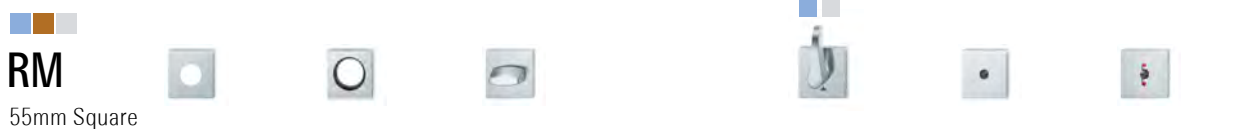
RP-C





Trim Set Overview

Series NML



	Premium Series	Elements Series
Material	■ Stainless Steel ■ Bronze	■ Aluminum
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)

Round Lever Roses

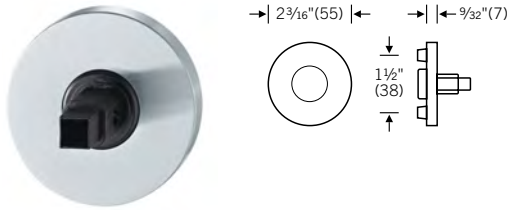
Series NML

RA

17 1731 01401 ■ ■ ■

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

*Includes finish rose and sub-rose

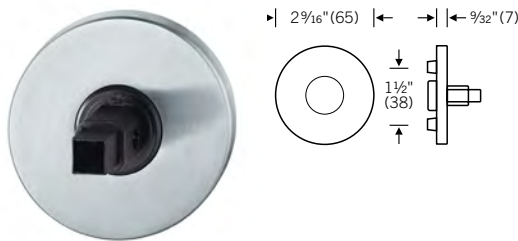


RD

17 1798 02401 ■ ■ ■

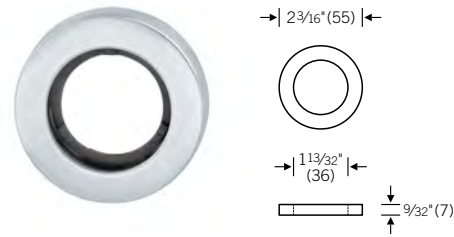
Rose $2\frac{9}{16}$ " (65 mm)

*Includes finish rose and sub-rose



Cylinder Ring

17 1735 12601 ■ ■ ■




Cylinder must be ordered separately

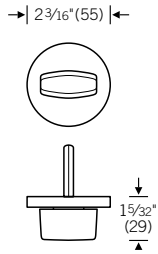
NML

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

S

17 1744 00169 
Standard Thumbturn

NML



RA - Configuration
55mm S Thumbturn
55mm Lever Rose

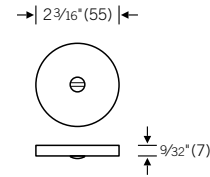
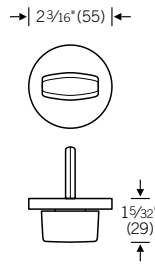


RD - Configuration
55mm S Thumbturn
65mm Lever Rose

Standard Turn with Emergency Release (SN)

17 1744 00160

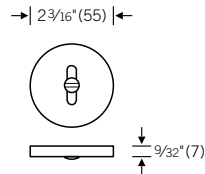
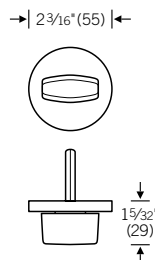
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159

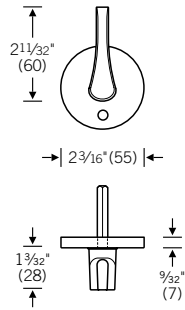
Trim Set - Includes two rose assemblies, spindle and screws



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

D

17 1744 09169 ■ ■
ADA Thumbturn



RA - Configuration
55mm D Thumbturn
55mm Lever Rose



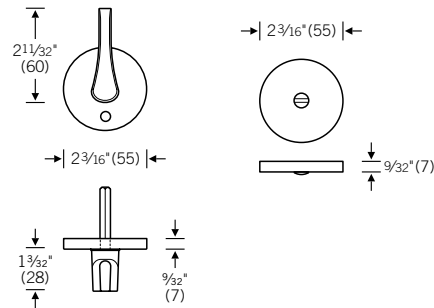
RD - Configuration
55mm D Thumbturn
65mm Lever Rose

NML

ADA Turn with Emergency Release (DN)

17 1744 09160 ■ ■

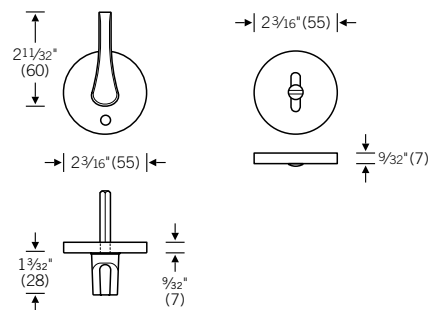
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1744 09159 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws

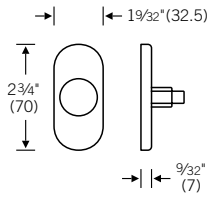


Trim Set RF Narrow Rose Series NML

RF

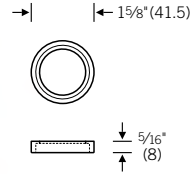
17 1758 10001 ■ ■
Narrow Rose

NML



Cylinder Ring

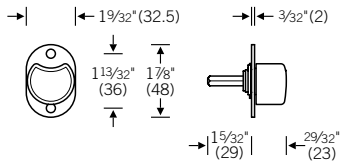
03 0450 19001 ■ ■



Cylinder must be ordered separately

C

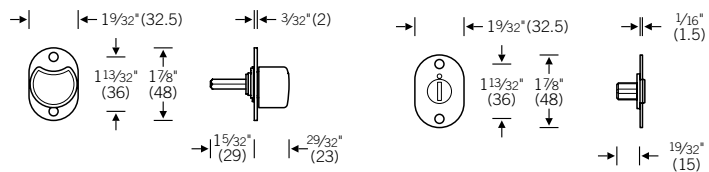
03 0418 09001 ■ ■
Crescent Thumbturn



Crescent Turn with Emergency Release and Indicator (CI)


03 0418 09002 ■ ■

Trim Set - Includes two rose assemblies, spindle and screws



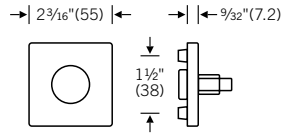
Square and Minimal Lever Roses Series NML

RM


17 1703 01401 

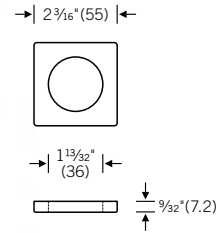
Square Rose

*Includes finish rose and sub-rose



Cylinder Ring


17 1704 12601 



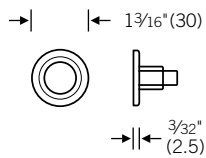
Cylinder must be ordered separately



RP


03 0450 09290 

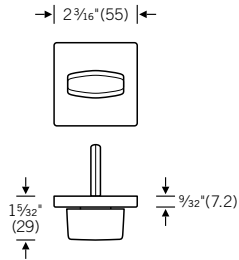
Minimal Rose



Thumbturns for RM 55mm Series NML

S


17 1712 00169 
Standard Thumbturn



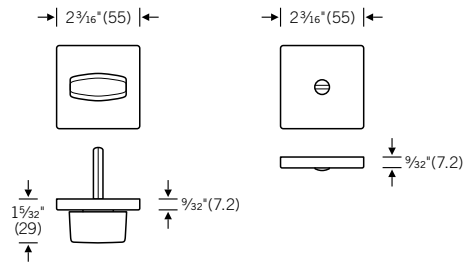
RM - Configuration
55mm S Thumbturn
55mm Lever Rose

NML


Standard Turn with Emergency Release (SN)

17 1712 00160 

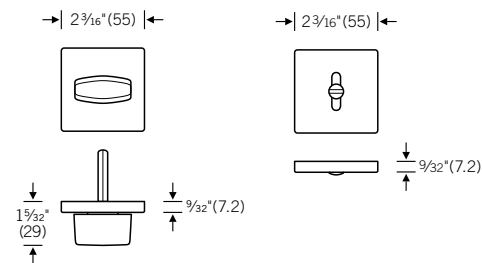
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1712 00159 

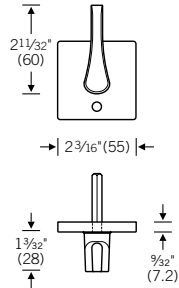
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Series NML

D

17 1712 09169 ■■
ADA Thumbturn

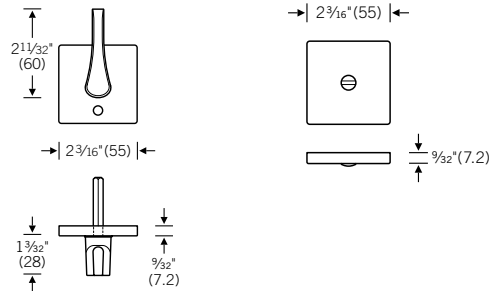


RM - Configuration
55mm D Thumbturn
55mm Lever Rose

ADA Turn with Emergency Release (DN)

17 1712 09160 ■■

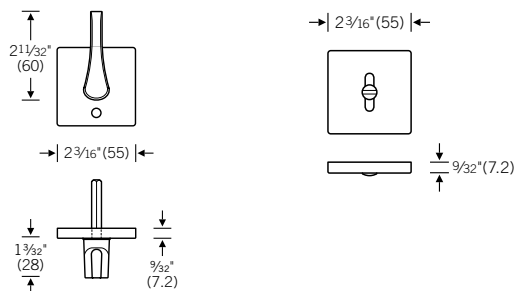
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 ■■


Trim Set - Includes two rose assemblies, spindle and screws



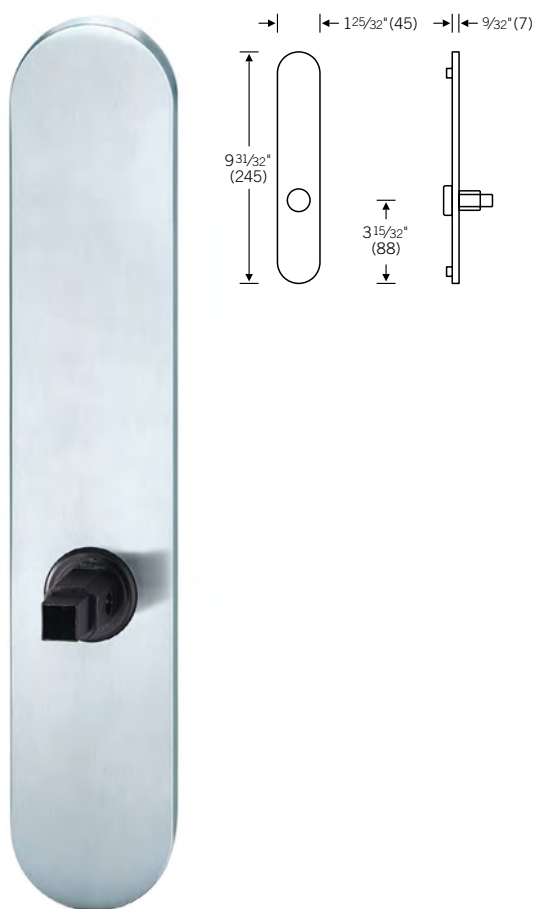
Trim Sets for EC Long Rounded Escutcheon Plate Series NML

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



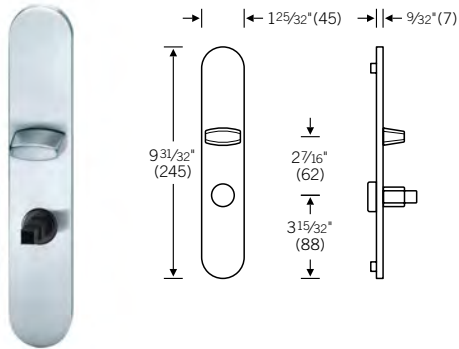
Cylinder must be ordered separately

Trim Sets for EC Long Rounded Escutcheon Plate Series NML


S

14 1418 09102 
Standard Thumbturn

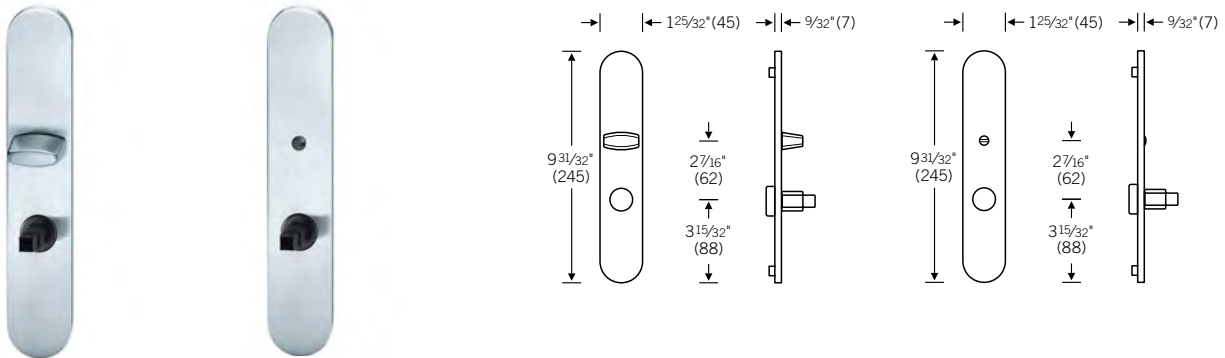
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1418 09103 

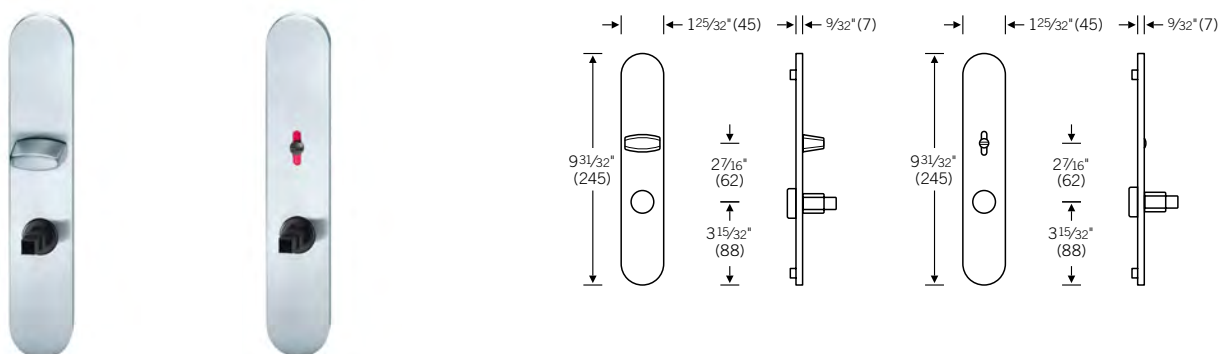
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1418 09113 


Trim Set - Includes two rose assemblies, spindle and screws



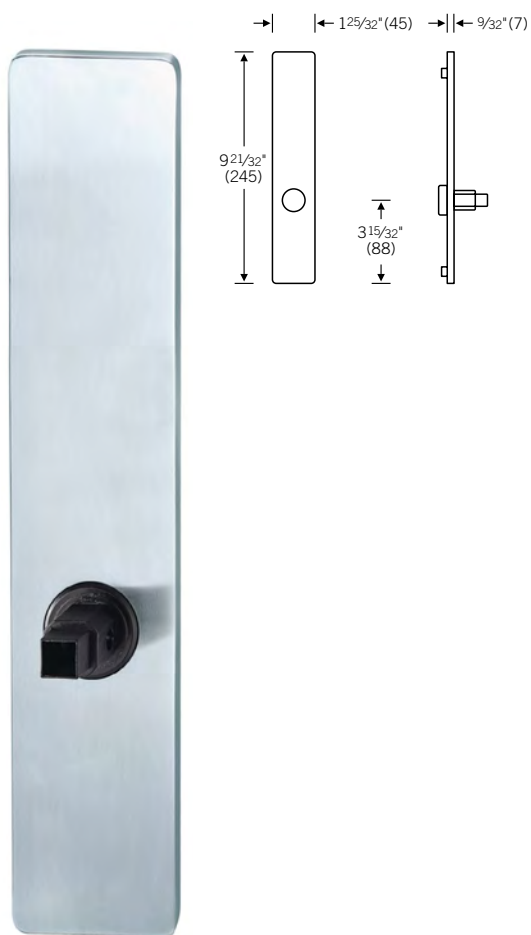
Trim Sets for ED Long Rectangular Escutcheon Plate Series NML

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



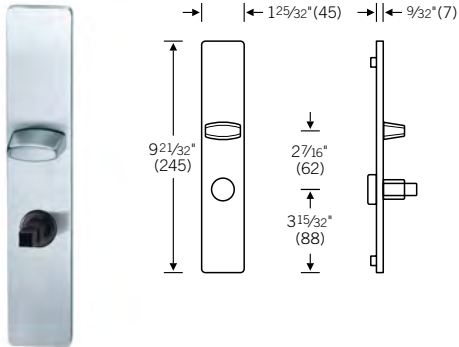
Cylinder must be ordered separately

Trim Sets for ED Long Rectangular Escutcheon Plate Series NML


S

14 1410 09102 
Standard Thumbturn

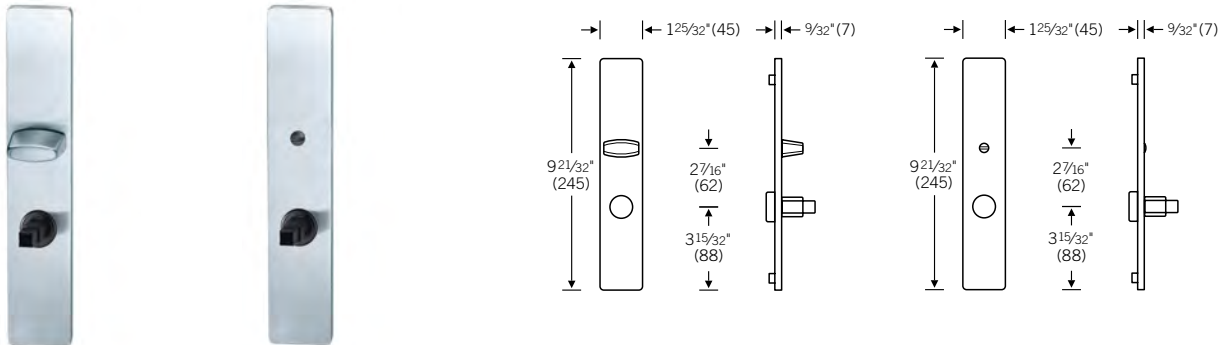
*Includes finish rose and sub-rose




Standard Turn with Emergency Release (SN)

14 1410 09103 

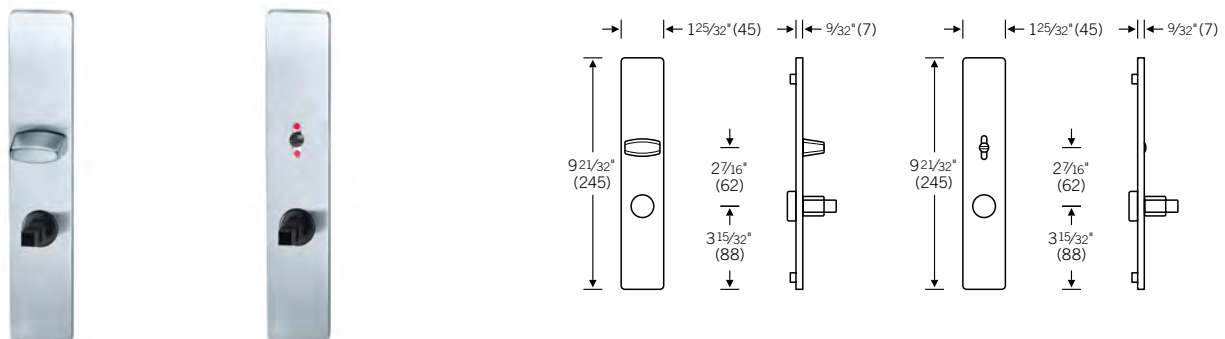
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

14 1410 09113 

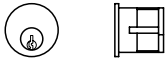
Trim Set - Includes two rose assemblies, spindle and screws



88 8806



→ $\frac{1\frac{3}{8}''}{(35)}$ ← → x ←



88 8806 07165 Length X = 1"
 88 8806 07185 Length X = 1 $\frac{1}{8}$ "
 88 8806 07205 Length X = 1 $\frac{1}{4}$ "
 88 8806 07245 Length X = 1 $\frac{1}{2}$ "
 88 8806 07285 Length X = 1 $\frac{3}{4}$ "
 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

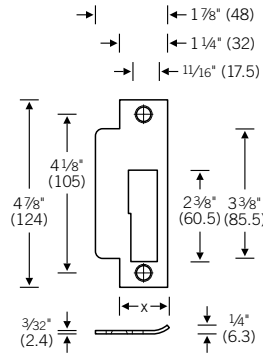
Cam Types

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

Trim	Door Thickness	Cylinder Length	Single Cylinder	Cylinder Length X2	Double Cylinder
All roses except RJ Call FSB for RJ Cyl Dimen.	1 $\frac{3}{8}$ "	1"	88 8806 7165sc19	N/A	N/A
	1 $\frac{3}{4}$ "	1 $\frac{1}{8}$ "	88 8806 7185sc19	1"	88 8806 7165sc19
	2"	1 $\frac{1}{4}$ "	88 8806 7205sc19	1 $\frac{1}{8}$ "	88 8806 7185sc19
	2 $\frac{1}{4}$ "	1 $\frac{1}{4}$ "	88 8806 7205sc19	1 $\frac{1}{8}$ "	88 8806 7185sc19
	2 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	88 8806 7245sc19	Call	
	3"	1 $\frac{1}{4}$ "	88 8806 7285sc19	Call	
	3 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	88 8806 7305sc19	Call	
	3 $\frac{1}{2}$ "	2"	88 8806 7325sc19	Call	
Escutcheons	1 $\frac{3}{8}$ "	N/A	N/A	N/A	N/A
	1 $\frac{3}{4}$ "	1 $\frac{1}{4}$ "	88 8806 7205sc19	1 $\frac{1}{8}$ "	88 8806 7185sc19
	2"	1 $\frac{1}{4}$ "	88 8806 7205sc19	1 $\frac{1}{8}$ "	88 8806 7185sc19
	2 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	88 8806 7245sc19	1 $\frac{1}{4}$ "	88 8806 7205sc19
	2 $\frac{3}{8}$ "	1 $\frac{3}{4}$ "	88 8806 7285sc19	Call	
	3"	1 $\frac{7}{8}$ "	88 8806 7305sc19	Call	
	3 $\frac{1}{4}$ "	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

All mortise locksets shall be provided from one manufacturer and shall be capable of providing backsets from 1½" to 2¼" 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" × 1.25" × 8"
(5.5 × 32 × 203 mm) or
.218" × 1" × 8"
(5.5 × 25.4 × 203 mm).
Adjustable for beveled conditions from flat to standard bevel
.125" on 2" (3 mm on 51 mm).

Faceplate (Scalp only)

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

Spring Latch Bolt

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

Magnetic Latch Bolt

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

Deadbolt

.625" × .75" (16 × 19 mm) ×
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" × 1.25" (124 × 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



1107



1108



1146



1147

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1310.81	1404.96	1381.66	1494.29	1409.67	1533.48
B	Dormitory	1337.82	1444.68	1408.67	1534.01	1432.27	1567.43
C	Passage	949.75	1020.72	1020.60	1110.05	1012.01	1101.57
E	Privacy	1293.92	1399.55	1364.77	1488.88	1404.32	1543.01
G	Classroom	1315.22	1395.68	1386.07	1485.01	1395.78	1500.37
H	Entrance	1405.33	1512.20	1476.18	1601.53	1499.78	1634.95
I	Office	1315.22	1395.68	1386.07	1485.01	1395.78	1500.37
J	Storeroom	1247.71	1328.17	1318.56	1417.50	1328.27	1432.86
T	Patio	1251.96	1347.24	1322.81	1436.56	1328.11	1446.15
Magnetic Functions							
BM	Dormitory	2392.05	2498.91	2462.90	2588.24	2486.49	2621.66
CM	Passage	2003.98	2074.95	2074.83	2164.27	2066.24	2155.80
EM	Privacy	2348.15	2453.78	2419.00	2543.10	2458.54	2597.24
JM	Storeroom	2301.94	2382.40	2372.79	2471.72	2382.50	2487.08
TM	Patio	2306.19	2401.46	2377.04	2490.79	2382.34	2500.38
Dummy Functions							
Y	Active Double Dummy	778.72	827.89	849.57	917.21	840.98	908.74
YS	Active Double Strike	1733.49	1804.46	1804.34	1893.79	1795.75	1885.31
Z	Active Single Dummy	750.39	764.07	785.82	808.73	781.52	804.50
ZS	Active Single Strike	1705.16	358.93	1740.58	403.59	1736.29	399.36
Deadlock Functions							
N	Key x Key	755.45	735.02	755.45	735.02	792.05	782.69
P	Key x TT	772.51	764.80	772.51	764.80	804.70	806.70

Options are found on page 199.

Keying Charges are found on page 654.

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



1075



1076



1078



1080



1160



1178



RP



RF



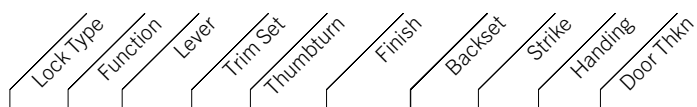
RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1410.12	1534.88	N/A	N/A	N/A	N/A	1364.83	1473.46
B	1460.62	1606.53	N/A	N/A	N/A	N/A	1410.26	1539.72
C	1041.42	1141.10	N/A	N/A	N/A	N/A	1069.68	1174.66
E	1481.29	1648.35	N/A	N/A	N/A	N/A	1369.71	1499.12
G	1410.18	1520.30	N/A	N/A	N/A	N/A	1402.20	1506.90
H	1528.14	1674.04	N/A	N/A	N/A	N/A	1477.77	1607.23
I	1410.18	1520.30	N/A	N/A	N/A	N/A	1402.20	1500.72
J	1342.67	1452.79	N/A	N/A	N/A	N/A	1334.68	1433.21
T	1371.47	1504.84	N/A	N/A	N/A	N/A	1354.71	1482.34
BM	2514.85	2660.76	N/A	N/A	N/A	N/A	2464.49	1473.46
CM	2095.64	2195.33	N/A	N/A	N/A	N/A	2123.91	1539.72
EM	2535.51	2702.58	N/A	N/A	N/A	N/A	2423.94	1174.66
JM	2396.89	2507.01	N/A	N/A	N/A	N/A	2548.85	1499.12
TM	2425.70	2559.07	N/A	N/A	N/A	N/A	2408.94	1506.90
Y	1184.85	1303.57	N/A	N/A	N/A	N/A	898.65	981.83
YS	1959.34	2099.86	N/A	N/A	N/A	N/A	1853.42	1958.40
Z	1043.59	1092.05	N/A	N/A	N/A	N/A	810.35	841.04
ZS	1818.08	1888.34	N/A	N/A	N/A	N/A	1762.18	1814.67
N	762.04	743.50	N/A	N/A	N/A	N/A	755.45	735.02
P	803.65	806.26	N/A	N/A	N/A	N/A	772.51	764.80

NML



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

Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1003



1015



1016



1058



1177



1242



1267



1271

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1369.66	1522.65	1440.51	1611.98	1468.52	1651.17
B	Dormitory	1396.67	1562.37	1467.52	1651.70	1491.11	1685.13
C	Passage	1008.60	1138.41	1079.45	1227.74	1070.86	1219.27
E	Privacy	1352.77	1517.24	1423.62	1606.57	1463.16	1660.70
G	Classroom	1374.07	1513.37	1444.92	1602.70	1454.63	1618.06
H	Entrance	1464.18	1629.89	1535.03	1719.22	1558.63	1752.64
I	Office	1374.07	1513.37	1444.92	1602.70	1454.63	1618.06
J	Storeroom	1306.55	1445.86	1377.40	1535.19	1387.11	1550.55
T	Patio	1310.81	1464.93	1381.66	1554.25	1386.96	1563.85
Magnetic Functions							
BM	Dormitory	2450.89	2616.60	2521.74	2705.93	2545.34	2739.35
CM	Passage	2062.83	2192.64	2133.68	2281.97	2125.08	2273.49
EM	Privacy	2406.99	2571.47	2477.84	2660.79	2517.39	2714.93
JM	Storeroom	2360.78	2500.09	2431.63	2589.41	2441.34	2604.77
TM	Patio	2365.04	2519.15	2435.89	2608.48	2441.18	2618.07
Dummy Functions							
Y	Active Double Dummy	837.57	945.58	908.42	1034.90	899.83	1026.43
YS	Active Double Strike	1792.34	1922.15	1863.19	2011.48	1854.59	2003.00
Z	Active Single Dummy	779.81	822.92	815.24	867.58	810.94	863.34
ZS	Active Single Strike	1734.58	417.78	1770.01	462.44	1765.71	458.20
Deadlock Functions							
N	Key x Key	755.45	735.02	755.45	735.02	792.05	782.69
P	Key x TT	772.51	764.80	772.51	764.80	804.70	806.70

Options are found on page 199.

Keying Charges are found on page 654.

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



1093



1106



1144



1176

NML



RP



RF

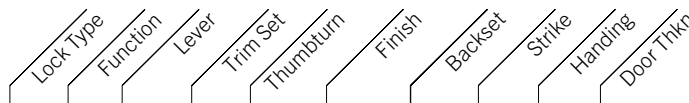


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1468.97	1652.57	N/A	N/A	N/A	N/A	1423.68	1591.15
B	1519.47	1724.22	N/A	N/A	N/A	N/A	1469.10	1657.41
C	1100.26	1258.79	N/A	N/A	N/A	N/A	1128.53	1292.35
E	1540.13	1766.04	N/A	N/A	N/A	N/A	1428.56	1616.81
G	1469.03	1637.99	N/A	N/A	N/A	N/A	1454.86	1618.41
H	1586.98	1791.74	N/A	N/A	N/A	N/A	1536.62	1724.92
I	1469.03	1637.99	N/A	N/A	N/A	N/A	1454.86	1618.41
J	1401.51	1570.48	N/A	N/A	N/A	N/A	1387.35	1550.90
T	1430.32	1622.54	N/A	N/A	N/A	N/A	1413.55	1600.04
<hr/>								
BM	2573.69	2778.45	N/A	N/A	N/A	N/A	2523.33	2711.64
CM	2154.49	2313.02	N/A	N/A	N/A	N/A	2182.75	2346.58
EM	2594.36	2820.27	N/A	N/A	N/A	N/A	2482.79	2671.03
JM	2455.74	2624.70	N/A	N/A	N/A	N/A	2601.52	2813.03
TM	2484.54	2676.76	N/A	N/A	N/A	N/A	2467.78	2654.26
<hr/>								
Y	1243.69	1421.26	N/A	N/A	N/A	N/A	957.50	1099.52
YS	2018.18	2217.55	N/A	N/A	N/A	N/A	1912.26	2076.09
Z	1073.01	1150.89	N/A	N/A	N/A	N/A	839.78	899.89
ZS	1847.51	1947.19	N/A	N/A	N/A	N/A	1791.60	1873.52
<hr/>								
N	762.04	743.50	N/A	N/A	N/A	N/A	755.45	735.02
P	803.65	806.26	N/A	N/A	N/A	N/A	772.51	764.80



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

Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1025



1031



1045



1183



1244



1251

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1515.79	1665.44	1586.64	1754.77	1614.65	1793.96
B	Dormitory	1542.80	1705.16	1613.65	1794.49	1637.25	1827.92
C	Passage	1154.74	1281.20	1225.59	1370.53	1216.99	1362.06
E	Privacy	1498.90	1660.03	1569.75	1749.36	1609.30	1803.50
G	Classroom	1520.21	1656.17	1591.06	1745.49	1600.77	1760.85
H	Entrance	1610.32	1772.68	1681.17	1862.01	1704.76	1895.43
I	Office	1520.21	1656.17	1591.06	1745.49	1600.77	1760.85
J	Storeroom	1452.69	1588.65	1523.54	1677.98	1533.25	1693.34
T	Patio	1456.95	1607.72	1527.80	1697.04	1533.09	1706.64
Magnetic Functions							
BM	Dormitory	2597.03	2759.39	2667.88	2848.72	2691.48	2882.14
CM	Passage	2208.96	2335.43	2279.81	2424.76	2271.22	2416.28
EM	Privacy	2553.13	2714.26	2623.98	2803.58	2663.52	2857.72
JM	Storeroom	2506.92	2642.88	2577.77	2732.21	2587.48	2747.56
TM	Patio	2511.17	2661.94	2582.02	2751.27	2587.32	2760.86
Dummy Functions							
Y	Active Double Dummy	983.71	1088.37	1054.56	1177.70	1045.96	1169.22
YS	Active Double Strike	1938.47	2064.94	2009.32	2154.27	2000.73	2145.79
Z	Active Single Dummy	852.88	894.31	888.31	938.97	884.01	934.74
ZS	Active Single Strike	1807.65	489.17	1843.07	533.83	1838.78	529.60
Deadlock Functions							
N	Key x Key	755.45	735.02	755.45	735.02	792.05	782.69
P	Key x TT	772.51	764.80	772.51	764.80	804.70	806.70

Options are found on page 199.

Keying Charges are found on page 654.

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



1053



1088



1119

NML



RP



RF

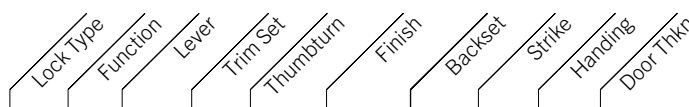


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1615.11	1795.36	N/A	N/A	N/A	N/A	1569.81	1733.94
B	1665.60	1867.01	N/A	N/A	N/A	N/A	1615.24	1800.20
C	1246.40	1401.58	N/A	N/A	N/A	N/A	1274.66	1435.14
E	1686.27	1908.83	N/A	N/A	N/A	N/A	1574.70	1759.60
G	1615.17	1780.78	N/A	N/A	N/A	N/A	1601.00	1761.20
H	1733.12	1934.53	N/A	N/A	N/A	N/A	1682.76	1867.71
I	1615.17	1780.78	N/A	N/A	N/A	N/A	1601.00	1761.20
J	1547.65	1713.27	N/A	N/A	N/A	N/A	1533.49	1693.69
T	1576.45	1765.33	N/A	N/A	N/A	N/A	1559.69	1742.83
BM	2719.83	2921.24	N/A	N/A	N/A	N/A	2669.47	2854.43
CM	2300.63	2455.81	N/A	N/A	N/A	N/A	2328.89	2489.37
EM	2740.50	2963.06	N/A	N/A	N/A	N/A	2628.92	2813.82
JM	2601.88	2767.49	N/A	N/A	N/A	N/A	2747.66	2955.82
TM	2630.68	2819.55	N/A	N/A	N/A	N/A	2613.92	2797.05
Y	1389.83	1564.05	N/A	N/A	N/A	N/A	1103.63	1242.31
YS	2164.32	2360.34	N/A	N/A	N/A	N/A	2058.40	2218.88
Z	1146.08	1222.29	N/A	N/A	N/A	N/A	912.85	971.28
ZS	1920.57	2018.59	N/A	N/A	N/A	N/A	1864.67	1944.91
N	762.04	743.50	N/A	N/A	N/A	N/A	755.45	735.02
P	803.65	806.26	N/A	N/A	N/A	N/A	772.51	764.80



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

Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1004



1021



1074

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1663.88	1816.88	1734.73	1906.21	1762.74	1945.40
B	Dormitory	1690.89	1856.60	1761.74	1945.93	1785.34	1979.35
C	Passage	1302.83	1432.64	1373.68	1521.97	1365.08	1513.49
E	Privacy	1646.99	1811.47	1717.84	1900.79	1757.39	1954.93
G	Classroom	1668.30	1807.60	1739.15	1896.93	1748.86	1912.29
H	Entrance	1758.41	1924.12	1829.26	2013.44	1852.85	2046.87
I	Office	1668.30	1807.60	1739.15	1896.93	1748.86	1912.29
J	Storeroom	1600.78	1740.09	1671.63	1829.41	1681.34	1844.77
T	Patio	1605.04	1759.15	1675.89	1848.48	1681.18	1858.07
Magnetic Functions							
BM	Dormitory	2745.12	2910.83	2815.97	3000.16	2839.57	3033.58
CM	Passage	2357.05	2486.87	2427.90	2576.19	2419.31	2567.72
EM	Privacy	2701.22	2865.69	2772.07	2955.02	2811.61	3009.16
JM	Storeroom	2655.01	2794.31	2725.86	2883.64	2735.57	2899.00
TM	Patio	2659.26	2813.38	2730.11	2902.71	2735.41	2912.30
Dummy Functions							
Y	Active Double Dummy	1131.80	1239.80	1202.65	1329.13	1194.05	1320.66
YS	Active Double Strike	2086.56	2216.38	2157.41	2305.70	2148.82	2297.23
Z	Active Single Dummy	926.93	970.03	962.35	1014.69	958.06	1010.46
ZS	Active Single Strike	1881.69	564.89	1917.12	609.55	1912.82	605.32
Deadlock Functions							
N	Key x Key	755.45	735.02	755.45	735.02	792.05	782.69
P	Key x TT	772.51	764.80	772.51	764.80	804.70	806.70

Options are found on page 199.

Keying Charges are found on page 654.

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



RP



RF

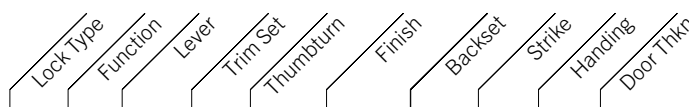


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1763.20	1946.79	N/A	N/A	N/A	N/A	1717.90	1885.38
B	1813.69	2018.45	N/A	N/A	N/A	N/A	1763.33	1951.64
C	1394.49	1553.02	N/A	N/A	N/A	N/A	1422.75	1586.58
E	1834.36	2060.27	N/A	N/A	N/A	N/A	1722.79	1911.03
G	1763.26	1932.22	N/A	N/A	N/A	N/A	1749.09	1912.64
H	1881.21	2085.96	N/A	N/A	N/A	N/A	1830.85	2019.15
I	1763.26	1932.22	N/A	N/A	N/A	N/A	1749.09	1912.64
J	1695.74	1864.70	N/A	N/A	N/A	N/A	1681.58	1845.13
T	1724.54	1916.76	N/A	N/A	N/A	N/A	1707.78	1894.26
<hr/>								
BM	2867.92	3072.67	N/A	N/A	N/A	N/A	2817.56	3005.86
CM	2448.72	2607.25	N/A	N/A	N/A	N/A	2476.98	2640.81
EM	2888.59	3114.49	N/A	N/A	N/A	N/A	2777.01	2965.26
JM	2749.97	2918.93	N/A	N/A	N/A	N/A	2895.75	3107.25
TM	2778.77	2970.99	N/A	N/A	N/A	N/A	2762.01	2948.49
<hr/>								
Y	1537.92	1715.48	N/A	N/A	N/A	N/A	1251.72	1393.74
YS	2312.41	2511.78	N/A	N/A	N/A	N/A	2206.49	2370.32
Z	1220.13	1298.01	N/A	N/A	N/A	N/A	986.89	1047.00
ZS	1994.62	2094.30	N/A	N/A	N/A	N/A	1938.72	2020.63
<hr/>								
N	762.04	743.50	N/A	N/A	N/A	N/A	755.45	735.02
P	803.65	806.26	N/A	N/A	N/A	N/A	772.51	764.80



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



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
A	Store Door	1816.88	1993.42	1887.73	2082.74	1915.74	2121.94
B	Dormitory	1843.89	2033.14	1914.74	2122.47	1938.34	2155.89
C	Passage	1455.82	1609.18	1526.67	1698.50	1518.08	1690.03
E	Privacy	1799.99	1988.00	1870.84	2077.33	1910.39	2131.47
G	Classroom	1821.29	1984.14	1892.14	2073.47	1901.85	2088.82
H	Entrance	1911.41	2100.65	1982.26	2189.98	2005.85	2223.40
I	Office	1821.29	1984.14	1892.14	2073.47	1901.85	2088.82
J	Storeroom	1753.78	1916.62	1824.63	2005.95	1834.34	2021.31
T	Patio	1758.04	1935.69	1828.89	2025.02	1834.18	2034.61
Magnetic Functions							
BM	Dormitory	2898.12	3087.36	2968.97	3176.69	2992.56	3210.12
CM	Passage	2510.05	2663.40	2580.90	2752.73	2572.31	2744.26
EM	Privacy	2854.22	3042.23	2925.07	3131.56	2964.61	3185.70
JM	Storeroom	2808.01	2970.85	2878.86	3060.18	2888.57	3075.54
TM	Patio	2812.26	2989.92	2883.11	3079.24	2888.41	3088.84
Dummy Functions							
Y	Active Double Dummy	1284.79	1416.34	1355.64	1505.67	1347.05	1497.19
YS	Active Double Strike	2239.56	2392.91	2310.41	2482.24	2301.82	2473.77
Z	Active Single Dummy	1003.43	1058.30	1038.85	1102.96	1034.56	1098.72
ZS	Active Single Strike	1958.19	653.16	1993.62	697.82	1989.32	693.58
Deadlock Functions							
N	Key x Key	755.45	735.02	755.45	735.02	792.05	782.69
P	Key x TT	772.51	764.80	772.51	764.80	804.70	806.70

Options are found on page 199.

Keying Charges are found on page 654.

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



1164

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	1916.19	2123.33	N/A	N/A	N/A	N/A	1870.90	2061.91
B	1966.69	2194.98	N/A	N/A	N/A	N/A	1916.33	2128.17
C	1547.49	1729.55	N/A	N/A	N/A	N/A	1575.75	1763.11
E	1987.36	2236.80	N/A	N/A	N/A	N/A	1875.78	2087.57
G	1916.25	2108.75	N/A	N/A	N/A	N/A	1902.09	2089.18
H	2034.21	2262.50	N/A	N/A	N/A	N/A	1983.84	2195.69
I	1916.25	2108.75	N/A	N/A	N/A	N/A	1902.09	2089.18
J	1848.74	2041.24	N/A	N/A	N/A	N/A	1834.58	2021.66
T	1877.54	2093.30	N/A	N/A	N/A	N/A	1860.78	2070.80
BM	3020.92	3249.21	N/A	N/A	N/A	N/A	2970.56	3182.40
CM	2601.71	2783.78	N/A	N/A	N/A	N/A	2629.98	2817.34
EM	3041.58	3291.03	N/A	N/A	N/A	N/A	2930.01	3141.80
JM	2902.97	3095.47	N/A	N/A	N/A	N/A	3048.74	3283.79
TM	2931.77	3147.53	N/A	N/A	N/A	N/A	2915.01	3125.03
Y	1690.92	1892.02	N/A	N/A	N/A	N/A	1404.72	1570.28
YS	2465.41	2688.32	N/A	N/A	N/A	N/A	2359.49	2546.85
Z	1296.63	1386.28	N/A	N/A	N/A	N/A	1063.39	1135.27
ZS	2071.12	2182.57	N/A	N/A	N/A	N/A	2015.22	2108.90
N	762.04	743.50	N/A	N/A	N/A	N/A	755.45	735.02
P	803.65	806.26	N/A	N/A	N/A	N/A	772.51	764.80

NML

NML-E-1147-RA-SN-6204-200-N1-RH-134
 Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1015



1023



1106

Trim Choices



RA



RD



RM

Standard Functions		7615		7625		7615		7625	
		7615	7625	7615	7625	7615	7625		
A	Store Door	1655.58	1714.43	1735.05	860.11	1885.11	1965.64		
B	Dormitory	1728.20	1790.87	1807.67	1882.96	1923.59	2000.71		
C	Passage	1272.99	1331.83	1352.46	1423.93	1339.16	1419.69		
E	Privacy	1780.10	1842.77	1859.57	1934.87	1853.39	1921.92		
G	Classroom	1647.13	1749.58	1726.60	1798.07	1794.98	1875.51		
H	Entrance	1795.71	1858.38	1875.18	1950.48	1991.11	2068.23		
I	Office	1647.13	1749.58	1726.60	1798.07	1794.98	1875.51		
J	Storeroom	1579.61	1682.07	1659.08	1730.55	1727.46	1808.00		
T	Patio	1631.57	1694.24	1711.05	1786.34	1745.29	1822.41		
Magnetic Functions									
BM	Dormitory	2782.42	2845.09	2861.90	2937.19	2977.82	3054.94		
CM	Passage	2327.21	2386.06	2406.69	2478.16	2393.39	2473.92		
EM	Privacy	2834.32	2897.00	2913.80	2989.09	2907.62	2976.15		
JM	Storeroom	2633.84	2736.29	2713.31	2784.78	2781.69	2862.22		
TM	Patio	2685.80	2748.47	2765.27	2840.57	2799.52	2876.64		
Dummy Functions									
Y	Active Double Dummy	1123.76	1182.61	1203.23	1252.90	1189.93	1248.66		
YS	Active Double Strike	2100.33	2159.18	2158.00	2207.67	2144.70	2203.43		
Z	Active Single Dummy	912.01	941.43	962.65	987.48	956.00	985.36		
ZS	Active Single Strike	1888.58	1918.00	1917.41	1942.25	1910.76	1940.13		
Deadlock Functions									
N	Key x Key	733.37	733.37	733.37	776.98	896.73	940.34		
P	Key x TT	796.04	799.87	796.04	843.48	925.27	965.46		

Options are found on page 199.

Keying Charges are found on page 654.

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



RS



RF

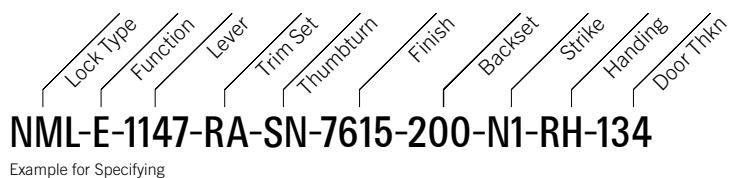


RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1738.15	1796.99
B	N/A	N/A	N/A	N/A	N/A	N/A	1789.64	1848.48
C	N/A	N/A	N/A	N/A	N/A	N/A	1432.76	1491.60
E	N/A	N/A	N/A	N/A	N/A	N/A	1745.09	1803.93
G	N/A	N/A	N/A	N/A	N/A	N/A	1762.11	1820.96
H	N/A	N/A	N/A	N/A	N/A	N/A	1857.15	1916.00
I	N/A	N/A	N/A	N/A	N/A	N/A	1762.11	1820.96
J	N/A	N/A	N/A	N/A	N/A	N/A	1694.60	1753.45
T	N/A	N/A	N/A	N/A	N/A	N/A	1728.97	1787.81
BM	N/A	N/A	N/A	N/A	N/A	N/A	2843.86	2902.71
CM	N/A	N/A	N/A	N/A	N/A	N/A	2486.98	2545.83
EM	N/A	N/A	N/A	N/A	N/A	N/A	2799.32	2858.16
JM	N/A	N/A	N/A	N/A	N/A	N/A	2982.74	3041.58
TM	N/A	N/A	N/A	N/A	N/A	N/A	2783.19	2842.04
Y	N/A	N/A	N/A	N/A	N/A	N/A	1261.73	1320.57
YS	N/A	N/A	N/A	N/A	N/A	N/A	2216.49	2275.34
Z	N/A	N/A	N/A	N/A	N/A	N/A	991.89	1021.32
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1943.72	1973.14
N	N/A	N/A	N/A	N/A	N/A	N/A	776.98	776.98
P	N/A	N/A	N/A	N/A	N/A	N/A	839.65	843.48



Premium Series - NML

Narrow Mortise Locks



1045



1053



1119

Trim Choices



RA



RD



RM

Standard Functions		7615		7625		7615		7625	
		7615	7625	7615	7625	7615	7625		
A	Store Door	1714.43	1773.27	1793.90	860.11	1943.96	2024.49		
B	Dormitory	1787.04	1849.71	1866.51	1941.81	1982.44	2059.56		
C	Passage	1331.83	1390.68	1411.31	1482.78	1398.01	1478.54		
E	Privacy	1838.94	1901.61	1918.42	1993.71	1912.24	1980.77		
G	Classroom	1705.97	1808.43	1785.44	1856.91	1853.82	1934.36		
H	Entrance	1854.56	1917.23	1934.03	2009.32	2049.95	2127.07		
I	Office	1705.97	1808.43	1785.44	1856.91	1853.82	1934.36		
J	Storeroom	1638.46	1740.91	1717.93	1789.40	1786.31	1866.84		
T	Patio	1690.42	1753.09	1769.89	1845.19	1804.14	1881.26		
Magnetic Functions									
BM	Dormitory	2841.27	2903.94	2920.74	2996.04	3036.67	3113.79		
CM	Passage	2386.06	2444.90	2465.53	2537.00	2452.23	2532.77		
EM	Privacy	2893.17	2955.84	2972.64	3047.94	2966.46	3034.99		
JM	Storeroom	2692.68	2795.14	2772.16	2843.63	2840.54	2921.07		
TM	Patio	2744.64	2807.31	2824.12	2899.41	2858.37	2935.48		
Dummy Functions									
Y	Active Double Dummy	1182.61	1241.45	1262.08	1311.74	1248.78	1307.51		
YS	Active Double Strike	2159.18	2218.02	2216.85	2266.51	2203.55	2262.28		
Z	Active Single Dummy	941.43	970.85	992.07	1016.90	985.42	1014.78		
ZS	Active Single Strike	1918.00	1947.43	1946.84	1971.67	1940.19	1969.55		
Deadlock Functions									
N	Key x Key	733.37	733.37	733.37	776.98	896.73	940.34		
P	Key x TT	796.04	799.87	796.04	843.48	925.27	965.46		

Options are found on page 199.

Keying Charges are found on page 654.

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



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1796.99	1855.84
B	N/A	N/A	N/A	N/A	N/A	N/A	1848.48	1907.33
C	N/A	N/A	N/A	N/A	N/A	N/A	1491.60	1550.45
E	N/A	N/A	N/A	N/A	N/A	N/A	1803.93	1862.78
G	N/A	N/A	N/A	N/A	N/A	N/A	1820.96	1879.81
H	N/A	N/A	N/A	N/A	N/A	N/A	1916.00	1974.84
I	N/A	N/A	N/A	N/A	N/A	N/A	1820.96	1879.81
J	N/A	N/A	N/A	N/A	N/A	N/A	1753.45	1812.29
T	N/A	N/A	N/A	N/A	N/A	N/A	1787.81	1846.66
BM	N/A	N/A	N/A	N/A	N/A	N/A	2902.71	2961.55
CM	N/A	N/A	N/A	N/A	N/A	N/A	2545.83	2604.67
EM	N/A	N/A	N/A	N/A	N/A	N/A	2858.16	2917.01
JM	N/A	N/A	N/A	N/A	N/A	N/A	3041.58	3100.43
TM	N/A	N/A	N/A	N/A	N/A	N/A	2842.04	2900.88
Y	N/A	N/A	N/A	N/A	N/A	N/A	1320.57	1379.42
YS	N/A	N/A	N/A	N/A	N/A	N/A	2275.34	2334.18
Z	N/A	N/A	N/A	N/A	N/A	N/A	1021.32	1050.74
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1973.14	2002.56
N	N/A	N/A	N/A	N/A	N/A	N/A	776.98	776.98
P	N/A	N/A	N/A	N/A	N/A	N/A	839.65	843.48

NML-E-1147-RA-SN-7615-200-N1-RH-134

Example for Specifying

Premium Series - NML

Narrow Mortise Locks



1004



1016



1076



1164

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
A	Store Door	1714.43	1832.12	1793.90	860.11	1943.96	2083.33
B	Dormitory	1787.04	1908.56	1866.51	2000.66	1982.44	2118.40
C	Passage	1331.83	1449.52	1411.31	1541.62	1398.01	1537.38
E	Privacy	1838.94	1960.46	1918.42	2052.56	1912.24	2039.61
G	Classroom	1705.97	1867.27	1785.44	1915.76	1853.82	1993.20
H	Entrance	1854.56	1976.07	1934.03	2068.17	2049.95	2185.92
I	Office	1705.97	1867.27	1785.44	1915.76	1853.82	1993.20
J	Storeroom	1638.46	1799.76	1717.93	1848.25	1786.31	1925.69
T	Patio	1690.42	1811.93	1769.89	1904.03	1804.14	1940.10
Magnetic Functions							
BM	Dormitory	2841.27	2962.78	2920.74	3054.88	3036.67	3172.63
CM	Passage	2386.06	2503.75	2465.53	2595.85	2452.23	2591.61
EM	Privacy	2893.17	3014.69	2972.64	3106.78	2966.46	3093.84
JM	Storeroom	2692.68	2853.98	2772.16	2902.47	2840.54	2979.91
TM	Patio	2744.64	2866.16	2824.12	2958.26	2858.37	2994.33
Dummy Functions							
Y	Active Double Dummy	1182.61	1300.30	1262.08	1370.59	1248.78	1366.35
YS	Active Double Strike	2159.18	2276.87	2216.85	2325.36	2203.55	2321.12
Z	Active Single Dummy	941.43	1000.28	992.07	1046.32	985.42	1044.21
ZS	Active Single Strike	1918.00	1976.85	1946.84	2001.09	1940.19	1998.97
Deadlock Functions							
N	Key x Key	733.37	733.37	733.37	776.98	896.73	940.34
P	Key x TT	796.04	799.87	796.04	843.48	925.27	965.46

Options are found on page 199.

Keying Charges are found on page 654.

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



1102

Available in 7615 only



1134



1163



RS



RF



RJ



EC-ED

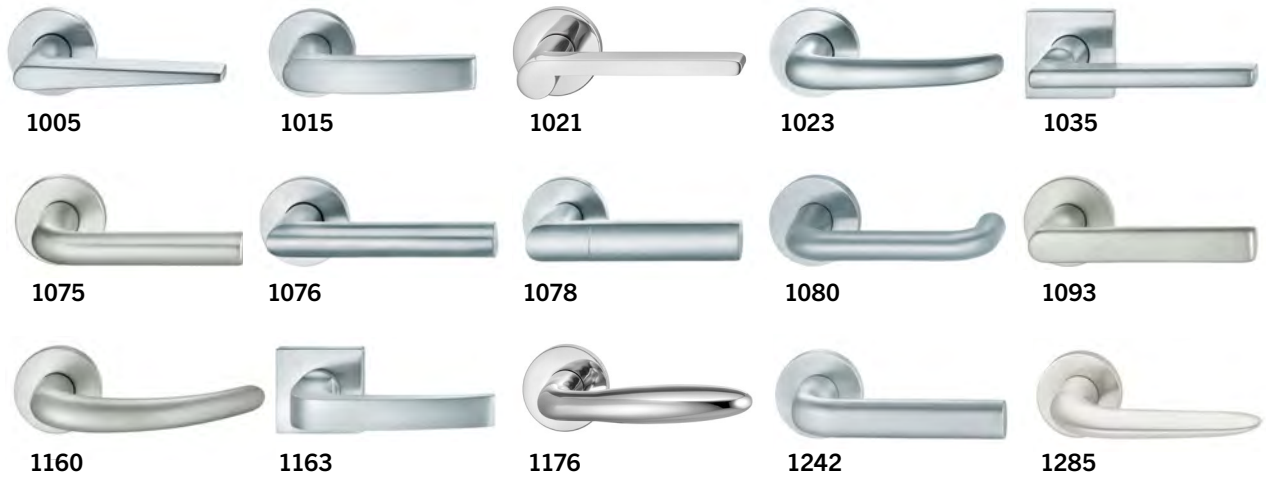
	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	1796.99	1914.68
B	N/A	N/A	N/A	N/A	N/A	N/A	1848.48	1966.17
C	N/A	N/A	N/A	N/A	N/A	N/A	1491.60	1609.29
E	N/A	N/A	N/A	N/A	N/A	N/A	1803.93	1921.63
G	N/A	N/A	N/A	N/A	N/A	N/A	1820.96	1938.65
H	N/A	N/A	N/A	N/A	N/A	N/A	1916.00	2033.69
I	N/A	N/A	N/A	N/A	N/A	N/A	1820.96	1938.65
J	N/A	N/A	N/A	N/A	N/A	N/A	1753.45	1871.14
T	N/A	N/A	N/A	N/A	N/A	N/A	1787.81	1905.50
BM	N/A	N/A	N/A	N/A	N/A	N/A	2902.71	3020.40
CM	N/A	N/A	N/A	N/A	N/A	N/A	2545.83	2663.52
EM	N/A	N/A	N/A	N/A	N/A	N/A	2858.16	2975.85
JM	N/A	N/A	N/A	N/A	N/A	N/A	3041.58	3159.27
TM	N/A	N/A	N/A	N/A	N/A	N/A	2842.04	2959.73
Y	N/A	N/A	N/A	N/A	N/A	N/A	1320.57	1438.26
YS	N/A	N/A	N/A	N/A	N/A	N/A	2275.34	2393.03
Z	N/A	N/A	N/A	N/A	N/A	N/A	1021.32	1080.16
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1973.14	2031.99
N	N/A	N/A	N/A	N/A	N/A	N/A	776.98	776.98
P	N/A	N/A	N/A	N/A	N/A	N/A	839.65	843.48

NML-E-1147-RA-SN-7615-200-N1-RH-134

Example for Specifying

Elements Series - NML

Narrow Mortise Locks



Trim Choices



		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1136.04	1214.54	1212.66	1321.76	1319.28	1574.56
B	Dormitory	1146.75	1238.02	1223.37	1345.23	1329.29	1545.25
C	Passage	806.99	871.96	883.61	979.18	894.32	994.24
E	Privacy	1103.61	1195.94	1180.23	1303.16	1287.68	1453.51
G	Classroom	1156.46	1226.09	1233.08	1333.31	1291.74	1467.24
H	Entrance	1214.26	1305.53	1290.88	1412.75	1396.80	1612.76
I	Office	1156.46	1226.09	1233.08	1333.31	1291.74	1467.24
J	Storeroom	1088.94	1158.58	1165.56	1265.79	1224.23	1399.73
T	Patio	1076.90	1161.40	1153.52	1268.62	1211.48	1349.77
Magnetic Functions							
BM	Dormitory	2200.98	2292.24	2277.59	2399.46	2383.51	2599.48
CM	Passage	1861.22	1926.19	1937.84	2033.40	1948.55	2048.47
EM	Privacy	2157.84	2250.17	2234.46	2357.39	2341.91	2507.74
JM	Storeroom	2143.17	2212.80	2219.79	2320.02	2278.46	2453.95
TM	Patio	2131.13	2215.63	2207.74	2322.84	2265.71	2403.99
Dummy Functions							
Y	Active Double Dummy	635.96	700.93	712.58	808.15	1319.28	823.21
YS	Active Double Strike	1590.73	1655.70	1667.35	1762.91	1329.29	1777.98
Z	Active Single Dummy	679.01	711.49	717.32	765.10	894.32	772.63
ZS	Active Single Strike	1633.78	1666.26	1672.09	1719.87	1287.68	1727.40
Deadlock Functions							
N	Key x Key	723.43	736.97	723.43	736.97	819.35	974.70
P	Key x TT	724.20	750.50	724.20	750.50	819.41	935.45

Options are found on page 199.

Keying Charges are found on page 654.

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

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8



	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	1214.48	1291.89	N/A	N/A	N/A	N/A	1231.25	1335.05
B	1269.33	1369.24	N/A	N/A	N/A	N/A	1269.56	1392.08
C	867.42	926.36	N/A	N/A	N/A	N/A	936.92	1037.55
E	1294.35	1416.77	N/A	N/A	N/A	N/A	1229.01	1351.53
G	1225.36	1291.44	N/A	N/A	N/A	N/A	1262.85	1362.97
H	1336.85	1436.76	N/A	N/A	N/A	N/A	1337.07	1459.59
I	1225.36	1291.44	N/A	N/A	N/A	N/A	1262.85	1362.97
J	1157.85	1223.92	N/A	N/A	N/A	N/A	1195.34	1295.45
T	1191.01	1281.68	N/A	N/A	N/A	N/A	1214.42	1335.35
BM	2323.56	2423.47	N/A	N/A	N/A	N/A	2323.79	2446.30
CM	1921.65	1980.59	N/A	N/A	N/A	N/A	1991.15	2091.78
EM	2348.58	2470.99	N/A	N/A	N/A	N/A	2283.24	2405.76
JM	2212.08	2278.15	N/A	N/A	N/A	N/A	2394.03	2537.51
TM	2245.24	2335.91	N/A	N/A	N/A	N/A	2268.65	2389.58
Y	954.56	1061.39	N/A	N/A	N/A	N/A	765.89	866.52
YS	1729.05	1835.88	N/A	N/A	N/A	N/A	1720.66	1821.29
Z	928.45	981.86	N/A	N/A	N/A	N/A	743.98	794.29
ZS	1702.94	1756.35	N/A	N/A	N/A	N/A	1695.80	1746.11
N	740.38	758.86	N/A	N/A	N/A	N/A	723.43	736.97
P	786.35	827.33	N/A	N/A	N/A	N/A	724.20	750.50

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

NML



1001



1003



1016



1119



1164



1177

Trim Choices



RA



RD



RM

		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1194.88	1296.92	1271.50	1404.14	1378.13	1656.94
B	Dormitory	1205.59	2374.63	1282.21	1427.62	1388.13	1627.63
C	Passage	865.84	954.34	942.46	1061.56	953.17	1076.62
E	Privacy	1162.46	1278.33	1239.08	1385.54	1346.53	1535.89
G	Classroom	1215.30	1308.47	1291.92	1415.69	1350.59	1549.62
H	Entrance	1273.11	1387.92	1349.73	1495.13	1455.65	1695.15
I	Office	1215.30	1308.47	1291.92	1415.69	1350.59	1549.62
J	Storeroom	1147.79	1240.96	1224.41	1348.18	1283.08	1482.11
T	Patio	1135.74	1243.78	1212.36	1351.00	1270.32	1432.15
Magnetic Functions							
BM	Dormitory	2259.82	2374.63	2336.44	2481.84	2442.36	2681.86
CM	Passage	1920.07	2008.57	1996.68	2115.79	2007.39	2130.85
EM	Privacy	2216.69	2332.55	2293.30	2439.77	2400.76	2590.12
JM	Storeroom	2202.02	2295.19	2278.63	2402.40	2337.30	2536.34
TM	Patio	2189.97	2298.01	2266.59	2405.23	2324.55	2486.38
Dummy Functions							
Y	Active Double Dummy	694.81	783.31	771.43	890.53	782.14	905.59
YS	Active Double Strike	1649.58	1738.08	1726.19	1845.30	1736.90	1860.36
Z	Active Single Dummy	708.43	752.69	746.74	806.29	752.10	813.83
ZS	Active Single Strike	1663.20	1707.45	1701.51	1761.06	1706.86	1768.59
Deadlock Functions							
N	Key x Key	723.43	736.97	723.43	736.97	819.35	974.70
P	Key x TT	724.20	750.50	724.20	750.50	819.41	935.45

Options are found on page 199.

Keying Charges are found on page 654.

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

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8



1031



1088



1106



1178



1241



1271



RP



RF

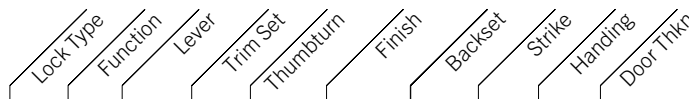


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	1273.32	1374.27	N/A	N/A	N/A	N/A	1290.10	1417.44
B	1328.18	1451.63	N/A	N/A	N/A	N/A	1328.40	1474.46
C	926.27	1008.74	N/A	N/A	N/A	N/A	995.77	1119.93
E	1353.20	1499.15	N/A	N/A	N/A	N/A	1287.86	1433.91
G	1284.21	1373.82	N/A	N/A	N/A	N/A	1321.70	1445.35
H	1395.69	1519.14	N/A	N/A	N/A	N/A	1395.92	1541.97
I	1284.21	1373.82	N/A	N/A	N/A	N/A	1321.70	1445.35
J	1216.69	1306.31	N/A	N/A	N/A	N/A	1254.18	1377.83
T	1249.85	1364.07	N/A	N/A	N/A	N/A	1273.27	1417.73
BM	2382.40	2505.86	N/A	N/A	N/A	N/A	2382.63	2528.69
CM	1980.50	2062.97	N/A	N/A	N/A	N/A	2050.00	2174.16
EM	2407.43	2553.38	N/A	N/A	N/A	N/A	2342.09	2488.14
JM	2270.92	2360.53	N/A	N/A	N/A	N/A	2452.87	2619.90
TM	2304.08	2418.29	N/A	N/A	N/A	N/A	2327.49	2471.96
Y	1013.40	1143.78	N/A	N/A	N/A	N/A	824.74	948.90
YS	1787.89	1918.27	N/A	N/A	N/A	N/A	1779.51	1903.67
Z	957.87	1023.06	N/A	N/A	N/A	N/A	773.40	835.48
ZS	1732.36	1797.55	N/A	N/A	N/A	N/A	1725.22	1787.31
N	740.38	758.86	N/A	N/A	N/A	N/A	723.43	736.97
P	786.35	827.33	N/A	N/A	N/A	N/A	724.20	750.50



NML-E-1147-RA-SN-0105-200-N1-RH-134

Example for Specifying

Elements Series - NML

Narrow Mortise Locks



1002



1004



1074



1244



1251



1267

Trim Choices



RA



RD



RM

		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
A	Store Door	1312.58	1391.07	1389.19	1498.29	1495.82	1751.09
B	Dormitory	1323.29	2468.78	1399.90	1521.77	1505.82	1721.79
C	Passage	983.53	1048.50	1060.15	1155.71	1070.86	1170.78
E	Privacy	1280.15	1372.48	1356.77	1479.70	1464.22	1630.05
G	Classroom	1333.00	1402.63	1409.61	1509.84	1468.28	1643.78
H	Entrance	1390.80	1482.07	1467.42	1589.29	1573.34	1789.30
I	Office	1333.00	1402.63	1409.61	1509.84	1468.28	1643.78
J	Storeroom	1265.48	1335.11	1342.10	1442.33	1400.77	1576.26
T	Patio	1253.44	1337.94	1330.05	1445.15	1388.02	1526.30
Magnetic Functions							
BM	Dormitory	2377.51	2468.78	2454.13	2576.00	2560.05	2776.01
CM	Passage	2037.76	2102.72	2114.37	2209.94	2125.08	2225.00
EM	Privacy	2334.38	2426.71	2410.99	2533.92	2518.45	2684.27
JM	Storeroom	2319.71	2389.34	2396.32	2496.56	2454.99	2630.49
TM	Patio	2307.66	2392.16	2384.28	2499.38	2442.24	2580.53
Dummy Functions							
Y	Active Double Dummy	812.50	877.47	889.12	984.68	899.83	999.75
YS	Active Double Strike	1767.27	1832.23	1843.88	1939.45	1854.59	1954.51
Z	Active Single Dummy	767.28	799.76	805.59	853.37	810.94	860.90
ZS	Active Single Strike	1722.05	1754.53	1760.36	1808.14	1765.71	1815.67
Deadlock Functions							
N	Key x Key	723.43	736.97	723.43	736.97	819.35	974.70
P	Key x TT	724.20	750.50	724.20	750.50	819.41	935.45

Options are found on page 199.

Keying Charges are found on page 654.

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

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8



1102
Available in 0105 finish only



1134



1183



RP



RF

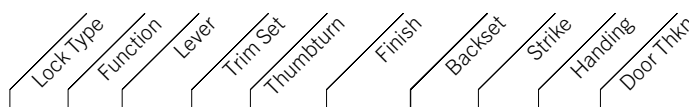


RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	N/A	N/A	N/A	N/A	N/A	N/A	1407.79	1511.59
B	N/A	N/A	N/A	N/A	N/A	N/A	1658.35	1568.61
C	N/A	N/A	N/A	N/A	N/A	N/A	1113.46	1214.09
E	N/A	N/A	N/A	N/A	N/A	N/A	1617.81	1803.99
G	N/A	N/A	N/A	N/A	N/A	N/A	1583.85	1727.34
H	N/A	N/A	N/A	N/A	N/A	N/A	1725.87	1912.05
I	N/A	N/A	N/A	N/A	N/A	N/A	1583.85	1727.34
J	N/A	N/A	N/A	N/A	N/A	N/A	1516.34	1659.82
T	N/A	N/A	N/A	N/A	N/A	N/A	1597.98	1780.98
BM	N/A	N/A	N/A	N/A	N/A	N/A	2712.58	2622.84
CM	N/A	N/A	N/A	N/A	N/A	N/A	2167.69	2268.31
EM	N/A	N/A	N/A	N/A	N/A	N/A	2672.03	2858.22
JM	N/A	N/A	N/A	N/A	N/A	N/A	2570.57	2714.05
TM	N/A	N/A	N/A	N/A	N/A	N/A	2652.20	2835.21
Y	N/A	N/A	N/A	N/A	N/A	N/A	942.43	1043.06
YS	N/A	N/A	N/A	N/A	N/A	N/A	1897.20	1997.82
Z	N/A	N/A	N/A	N/A	N/A	N/A	832.24	882.56
ZS	N/A	N/A	N/A	N/A	N/A	N/A	1784.07	1834.38
N	N/A	N/A	N/A	N/A	N/A	N/A	723.43	736.97
P	N/A	N/A	N/A	N/A	N/A	N/A	724.20	750.50



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	12.59
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Inverted	UD - Inverted Mortise Lock	Add	103.02
Latch Bolt	SL - Solid Latch bolt	Add	74.40
Special Door Thickness	2" to 2 ¼" Thick Doors	Add	54.94
	2 ¾" to 3" Thick Doors	Add	139.65
	3 ½" to 3 ¾" Thick Doors	Add	209.48
	3 ½" to 3 ¾" Thick Doors	Add	238.09
	Offset Swivel Spindle for Rabbeted and Clad Doors	Add	120.19
Dust box	Rabbeted Strike and Band	Add	405.21
	Metal Dust Box Stainless (6204)	Add	24.04
	Metal Dust Box Bronze	Add	24.04

Parts	Descriptions	Unit	Stainless	Bronze	
Strikes	N2-N4 Strikes	See strike chart in catalog for sizes	Each	45.79	53.80
	N5 -N10 Strikes	See strike chart in catalog for sizes	Each	52.66	64.10
	N1M	Strike for Magnetic Lock Body	Each	40.06	48.08
Faceplate	NML FP	Faceplate for NML Series	Each	40.06	48.08

NML Thumbturn and Release Options



ADA

Options	Descriptions	Price
Thumbturns	"D" Thumbturn (ADA TT) All Stainless Finishes	Add 143.08
	"D" Thumbturn (ADA TT) All Aluminum Finishes	Add 67.54



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)

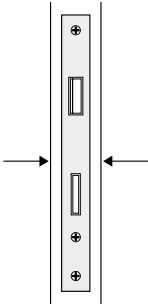
EML

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator																																																
EML	<p>E</p> <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>1147</p> <p>Insert your choice of lever design using one of the four digit codes.</p> <p>Premium/Elements</p> <table border="0"> <tr><td>1001*</td><td>1106</td></tr> <tr><td>1002*</td><td>1107</td></tr> <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>1160</td></tr> <tr><td>1025</td><td>1163</td></tr> <tr><td>1031</td><td>1164</td></tr> <tr><td>1035</td><td>1176</td></tr> <tr><td>1045</td><td>1177</td></tr> <tr><td>1051*</td><td>1178</td></tr> <tr><td>1053</td><td>1183</td></tr> <tr><td>1058</td><td>1241*</td></tr> <tr><td>1070</td><td>1242</td></tr> <tr><td>1074</td><td>1244</td></tr> <tr><td>1075</td><td>1251</td></tr> <tr><td>1076</td><td>1271</td></tr> <tr><td>1078</td><td>1267</td></tr> <tr><td>1080</td><td>1285*</td></tr> <tr><td>1088</td><td>1289*</td></tr> <tr><td>1093</td><td></td></tr> </table> <p>* Elements Only</p>	1001*	1106	1002*	1107	1003	1108	1004	1119	1005	1134	1015	1144	1016	1146	1021	1147	1023	1160	1025	1163	1031	1164	1035	1176	1045	1177	1051*	1178	1053	1183	1058	1241*	1070	1242	1074	1244	1075	1251	1076	1271	1078	1267	1080	1285*	1088	1289*	1093		<p>RA</p> <p>Insert your choice of rose or escutcheon using one of the two digit codes.</p> <p>Premium/Elements</p> <p>RA Rose 2³/₁₆" (55 mm) RJ Flush Rose (55 mm) RP Minimal Rose (30 mm) RM Square Rose (55 mm) EC Long Rounded ED Long Rectangular</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>SN*</p> <p>Insert your choice of thumbturn and indicator if necessary using the codes provided.</p> <p>Premium, Elements</p> <p> Standard thumbturn available with roses and escutcheons S</p> <p>Premium, Elements Emergency Releases</p> <p> N  I</p> <p>* Thumbturn and/or Indicator choices are only necessary with the B and E lock functions.</p>
1001*	1106																																																			
1002*	1107																																																			
1003	1108																																																			
1004	1119																																																			
1005	1134																																																			
1015	1144																																																			
1016	1146																																																			
1021	1147																																																			
1023	1160																																																			
1025	1163																																																			
1031	1164																																																			
1035	1176																																																			
1045	1177																																																			
1051*	1178																																																			
1053	1183																																																			
1058	1241*																																																			
1070	1242																																																			
1074	1244																																																			
1075	1251																																																			
1076	1271																																																			
1078	1267																																																			
1080	1285*																																																			
1088	1289*																																																			
1093																																																				

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> <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>Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0105 Natural Color (628) ■ 0205 Champagne Silver Color <p>Textured Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0410 Bronze Color ■ 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) <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 RR Right Hand Reverse</p> <p>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</p> <p>134 1³/₄" 138 1⁵/₈"</p> <p>Special Order</p> <p>200 2" 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 = 2¹³/₁₆" (72 mm) CTC
 WC = 3¹/₁₆" (78 mm) CTC

Backset

2³/₁₆" (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

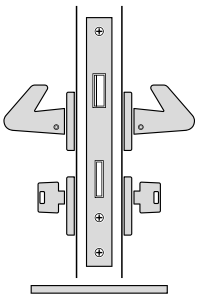
Function A

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:
 2¹³/₁₆" (72 mm).



Straight Spindle

Premium and Elements Series Trim Sets

RA	RM	RJ	RP	EC	ED

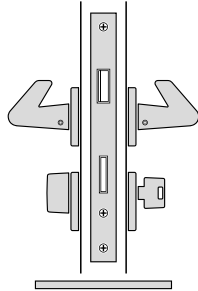
All details subject to modification

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.

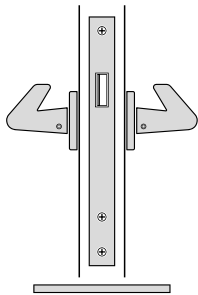
Lever to thumbturn center-to-center:
2 13/16" (72 mm).

Premium and Elements Series Trim Sets

RA-S	RM-S	RJ-S	RP-S	EC-S	ED-S

Function C

Passage



Straight Spindle

Description

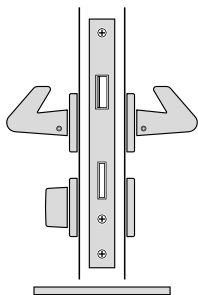
Latch bolt by handle either side.
European levers come with set screw on the side.

Premium and Elements Series Trim Sets

RA	RM	RJ	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

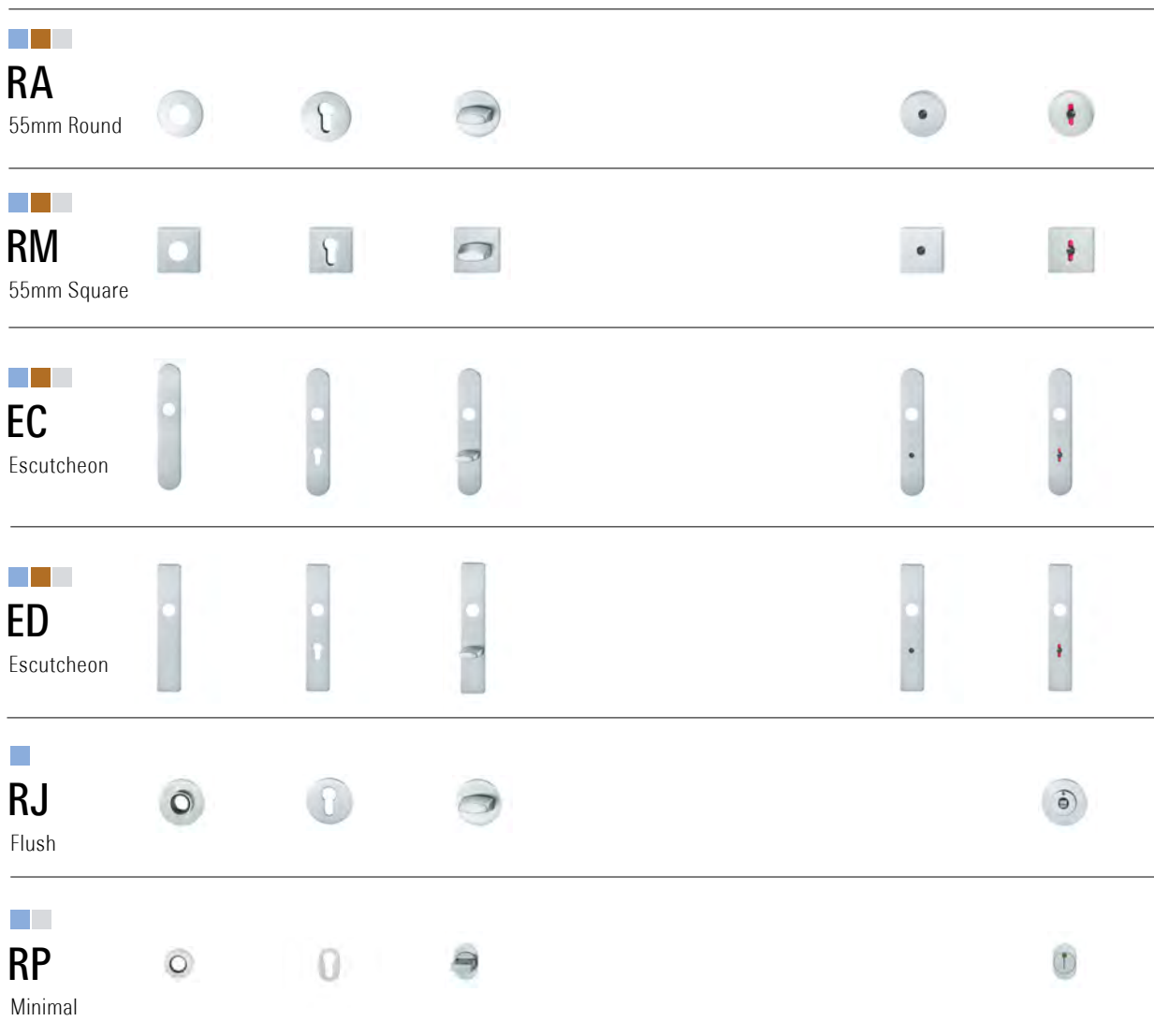
RA-SN/SI	RM-SN/SI	RJ-SI	RP-SI	EC-SN/SI	ED-SN/SI

All details subject to modification

EML

Trim Set Overview

Series EML



EML

	Premium Series	Elements Series
Material	■ Stainless Steel ■ Bronze	■ Aluminum
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)

55mm Roses

Series EML

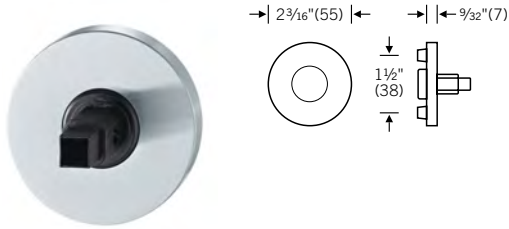
Premium & Elements

RA

12 1731 00101 ■ ■ ■

Rose 2³/₁₆" (55 mm)

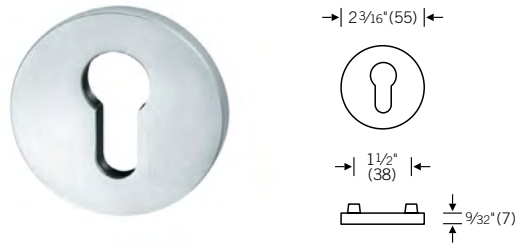
*Includes finish rose and sub-rose



Cylinder Ring

12 1735 00210 ■ ■ ■

Trim Set - Includes two rose assemblies and screws



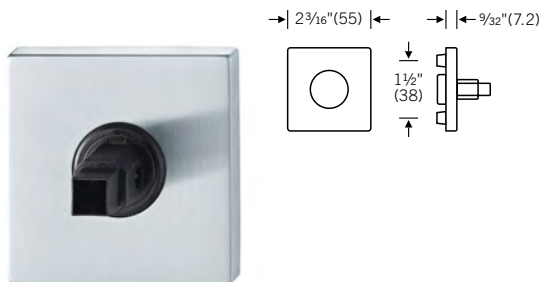
Cylinder must be ordered separately

RM

12 1703 00101 ■ ■ ■

Rose 2³/₁₆" (55 mm)

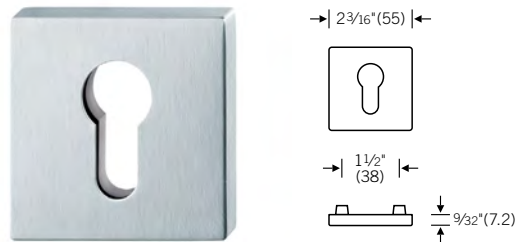
*Includes finish rose and sub-rose



Cylinder Ring

12 1704 00210 ■ ■ ■

Trim Set - Includes two rose assemblies and screws




Cylinder must be ordered separately

EML

Thumbturns for RA 55mm Rose Series EML

S

12 1735 00210 
Standard Thumbturn

EML



Cylinder must be ordered separately




RA - Configuration
55mm S Thumbturn
55mm Lever Rose



RD - Configuration
55mm S Thumbturn
65mm Lever Rose

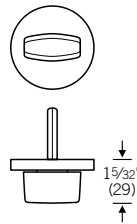
Standard Turn with Emergency Release (SN)

12 1735 x0055 

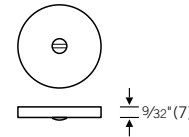
Trim Set - Includes two rose assemblies, spindle and screws



→ 2 3/16" (55) ←



→ 2 3/16" (55) ←



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

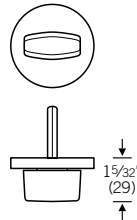
Standard Turn with Emergency Release and Indicator (SI)

12 1735 x0054 

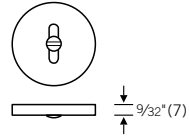
Trim Set - Includes two rose assemblies, spindle and screws



→ 2 3/16" (55) ←



→ 2 3/16" (55) ←




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



RM - Configuration
55mm S Thumbturn
55mm Lever Rose

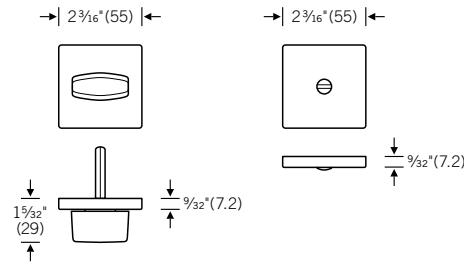
RS - Configuration
55mm S Thumbturn
65mm Lever Rose

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

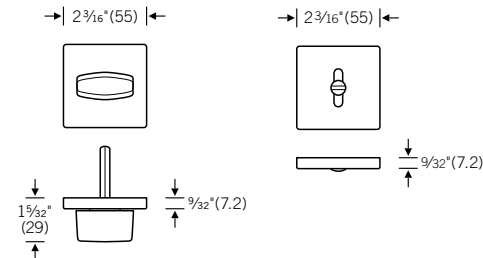


Standard Turn with Emergency Release and Indicator (SI)

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



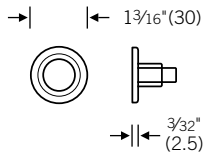
All details subject to modification

EML

Trim Set RP Minimal Rose European Mortise Locks (EML)

RP

03 0450 09290 ■ ■
Minimal Rose

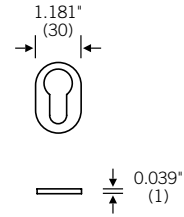


Cylinder Ring

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

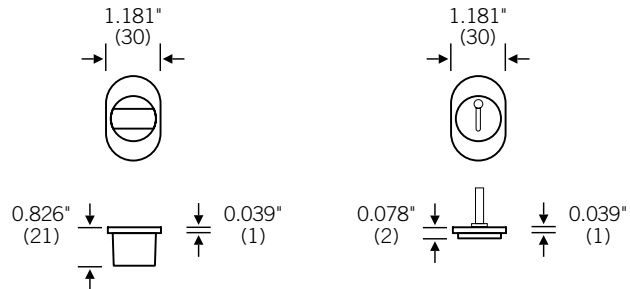
EML

SI

15 1721 01054 ■ ■

Standard Thumbturn and Emergency Release with Indicator

Trim only sold in Sets



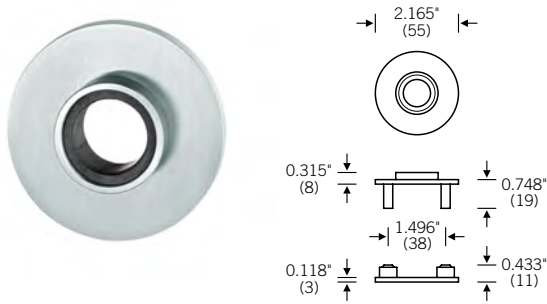
All details subject to modification

Trim Set RJ Flush Rose European Mortise Locks (EML)

RJ

12 1736 09011 ■
0.118 × 2.165" (3 × 55 mm)

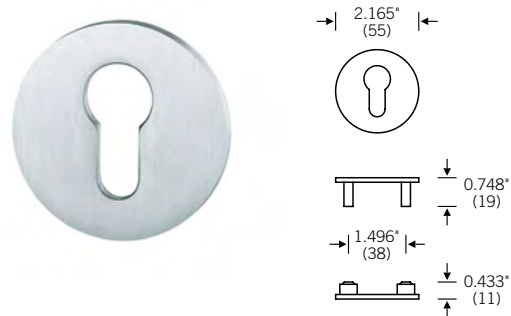
Trim only sold in Sets
(Includes two rose assemblies and screws)



Cylinder Ring

12 1737 09002 ■
0.118 × 2.165" (3 × 55 mm)

Trim only sold in Sets
(Includes two rose assemblies, spindle and screws)

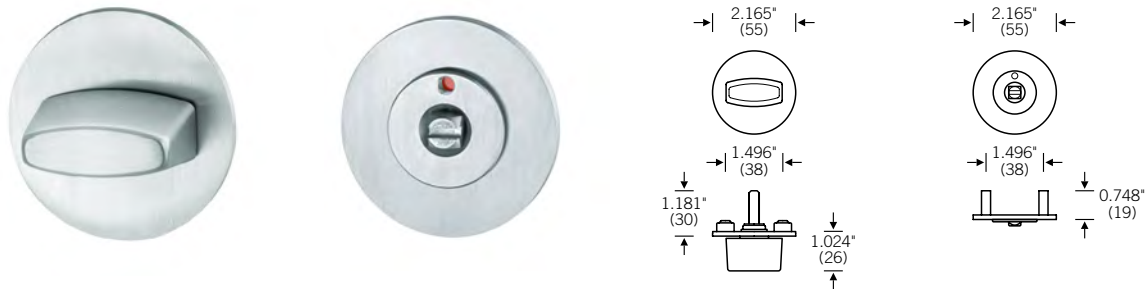


Cylinder must be ordered separately

SI

12 1737 09020 ■
Standard Thumbturn and Emergency Release with Indicator

Trim only sold in Sets - Set with Standard Thumbturn (SI) 17 1737 09020 (Includes two rose assemblies, spindle and screws)



All details subject to modification

RJ trim cannot be purchased independently from lockset.
Trim number for reference only.

RJ trim is available for 1 3/4" door thickness only.
RJ Trim only available in Satin Stainless Steel, Finish 6204.
The following lever designs are not available with the RJ Flush Rose:
1051, 1058, 1163, 1164, 1241

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

EML

EC

14 1418 02101 ■ ■ ■

9 5/8" (245 mm)

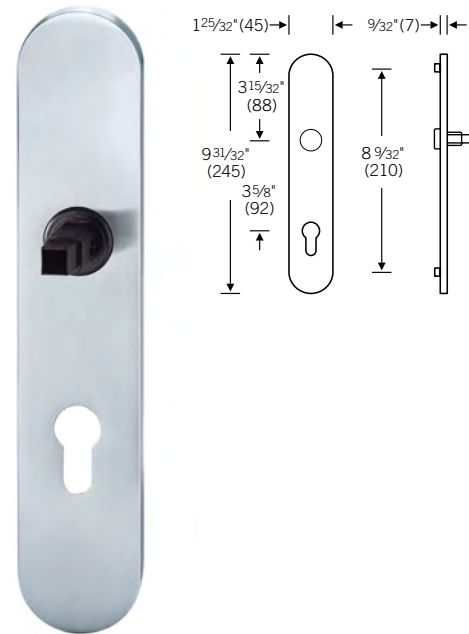
*Includes finish rose and sub-rose



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

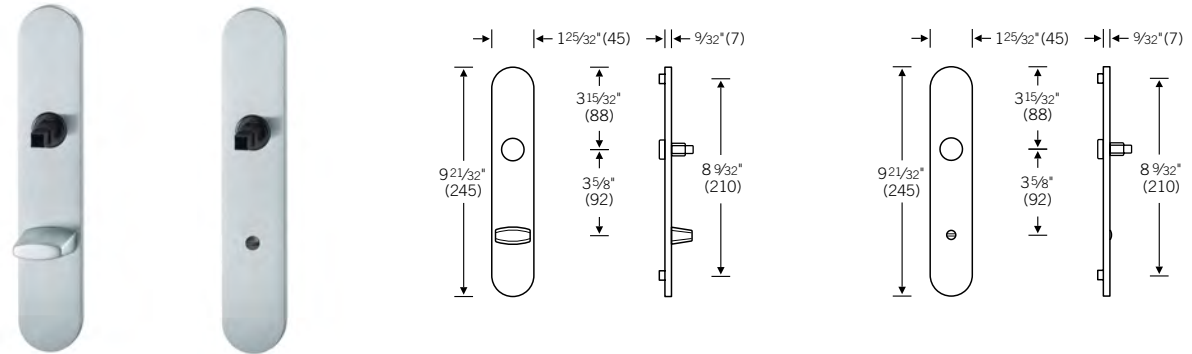
Trim Set EC Long Rectangular Escutcheon Plate European Mortise Locks (EML)

Standard Turn with Emergency Release (SN)

14 1418 x2555 ■ ■ ■

14 1418 12555 = 1 3/8" - 2" Door Thickness
 14 1418 22555 = 2 1/8" - 2 3/4" Door Thickness
 14 1418 32555 = 2 7/8" - 3 3/4" Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws

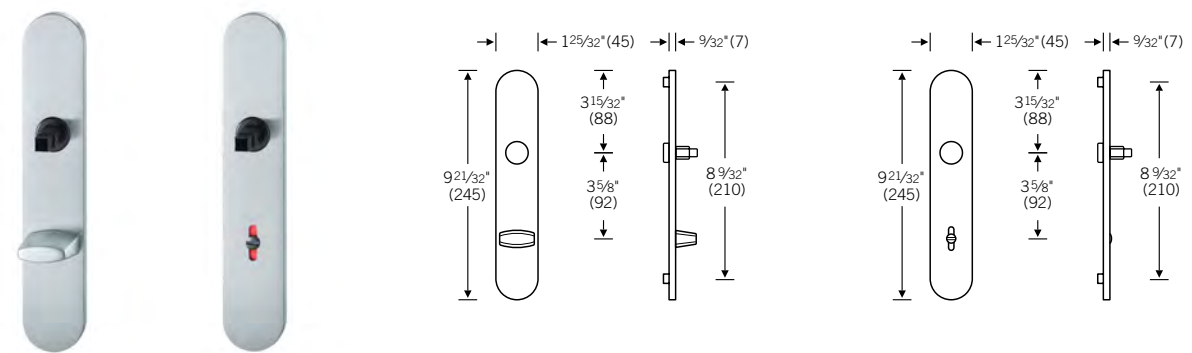


Standard Turn with Emergency Release and Indicator (SI)

14 1418 x2554 ■ ■ ■

14 1418 12554 = 1 3/8" - 2" Door Thickness
 14 1418 22554 = 2 1/8" - 2 3/4" Door Thickness
 14 1418 32554 = 2 7/8" - 3 3/4" Door Thickness

Trim Set - Includes two rose assemblies, spindle and screws



All details subject to modification

EML

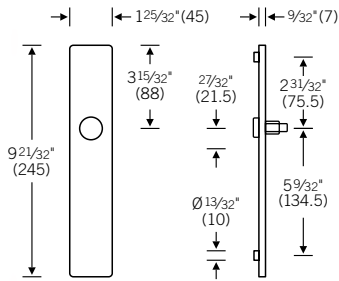
Trim Set ED Long Rectangular Escutcheon Plate European Mortise Locks (EML)

ED

14 1410 02101 ■ ■ ■

9²¹/₃₂" (245 mm)

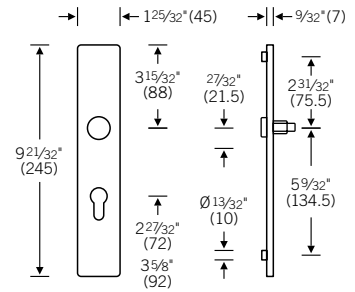
*Includes finish rose and sub-rose



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

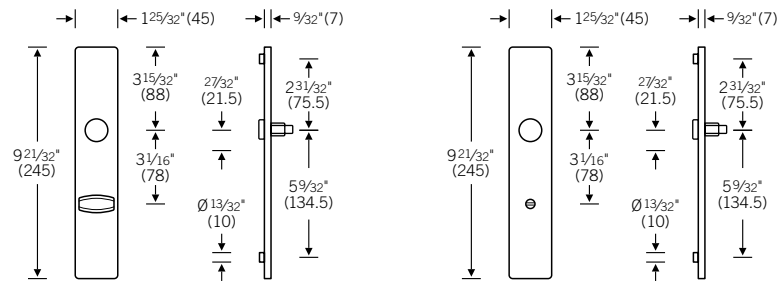
Trim Set ED Long Rectangular Escutcheon Plate European Mortise Locks (EML)

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

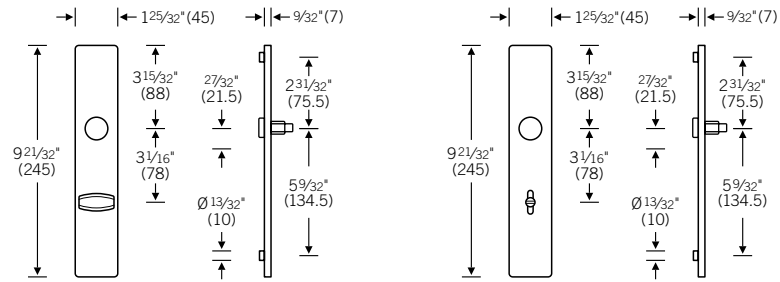


Standard Turn with Emergency Release and Indicator (SI)

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

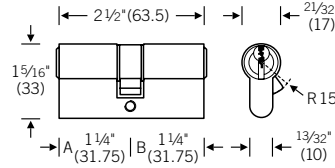
European Mortise Locks

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

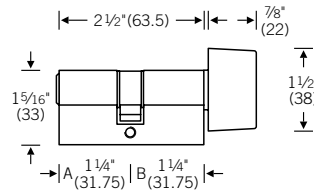
Key x Key



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

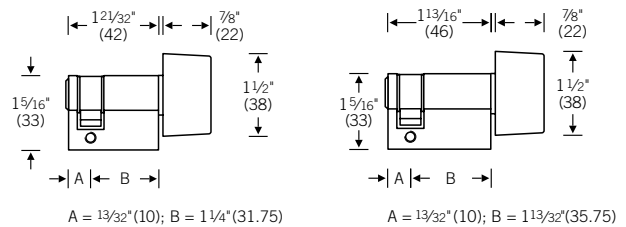
Key x Thumbturn (Standard)



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

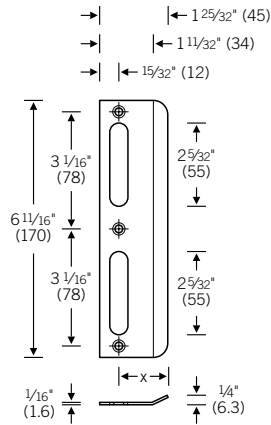
Nickel plated brass, supplied with two keys per cylinder.

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

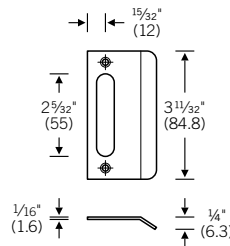
Entry/Privacy Functions

Standard = 1 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

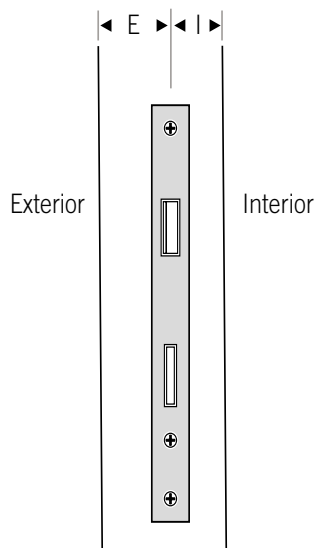


EML 1002

EML Series Mortise Strike without dustbox

Passage Function

All details subject to modification



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



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)

9¹/₄" × 1⁵/₁₆" (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.

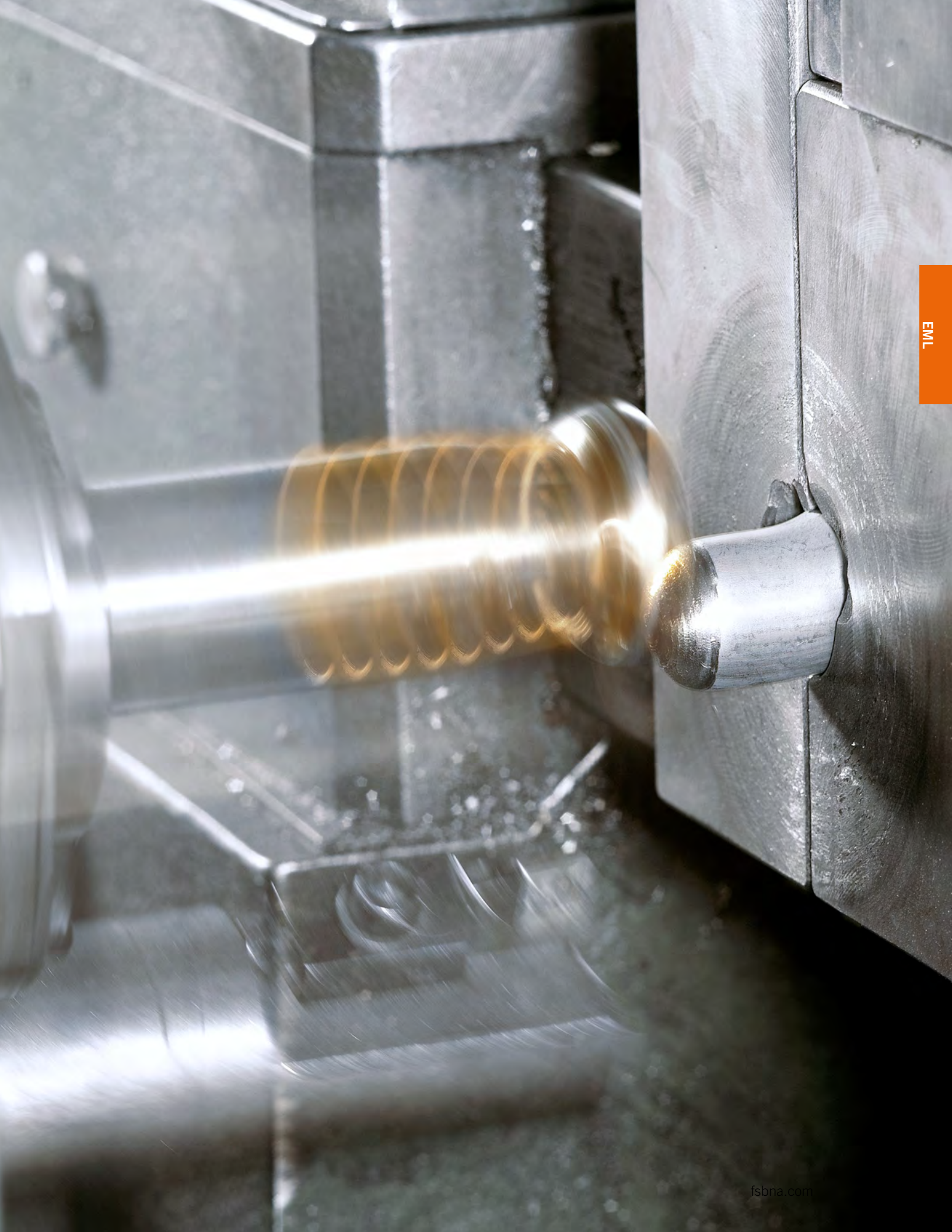
Strike

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



1005



1023



1035



1070



1107



1108



1146



1147

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
A	Store Door	634.89	764.25	N/A	N/A	712.79	865.50	N/A	N/A
B	Dormitory	783.44	936.61	N/A	N/A	782.13	934.84	N/A	N/A
C	Passage	506.42	607.61	N/A	N/A	539.08	659.11	N/A	N/A
E	Privacy	655.83	817.91	N/A	N/A	715.69	895.74	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.



1075



1076



1078



1080



1160



1178

EML



RP



RF



RJ



EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
A	548.99	653.10	N/A	N/A	N/A	N/A	707.49	859.11
B	618.33	722.44	N/A	N/A	N/A	N/A	776.83	928.45
C	453.21	547.99	N/A	N/A	N/A	N/A	642.68	794.30
E	691.11	864.26	N/A	N/A	N/A	N/A	740.36	928.31

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



1177



1242



1267



1271

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
A	Store Door	733.62	790.74	N/A	N/A	745.95	908.62	N/A	N/A
B	Dormitory	882.17	963.10	N/A	N/A	815.29	977.96	N/A	N/A
C	Passage	519.86	634.17	N/A	N/A	640.96	702.23	N/A	N/A
E	Privacy	676.28	844.51	N/A	N/A	836.38	1052.63	N/A	N/A

Options are found on page 243.

Keying Charges are found on page 654.



1093



1106



1144



1176



RP



RF



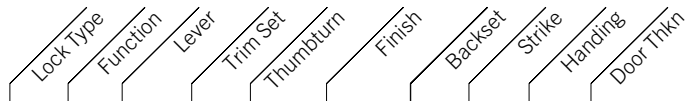
RJ



EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
A	569.44	679.66	N/A	N/A	N/A	N/A	729.54	887.78
B	638.78	749.00	N/A	N/A	N/A	N/A	798.88	957.12
C	473.62	547.99	N/A	N/A	N/A	N/A	664.74	822.97
E	711.48	890.75	N/A	N/A	N/A	N/A	762.47	957.04

EML



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

Example for Specifying

Premium Series - EML

European Mortise Locks



1025



1031



1045



1183



1244



1251

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
A	Store Door	696.87	961.23	N/A	N/A	774.77	946.10	N/A	N/A
B	Dormitory	845.42	1133.60	N/A	N/A	844.11	1015.44	N/A	N/A
C	Passage	561.47	787.99	N/A	N/A	539.08	659.11	N/A	N/A
E	Privacy	717.85	1040.75	N/A	N/A	867.55	1093.16	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.



1053



1088



1119



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	202.08	202.08	N/A	N/A	N/A	N/A	853.08	1048.38
B	271.43	271.43	N/A	N/A	N/A	N/A	922.42	1117.72
C	587.74	722.85	N/A	N/A	N/A	N/A	788.27	983.57
E	825.59	1039.12	N/A	N/A	N/A	N/A	885.96	1117.58

EML

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



1004



1021



1074

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
A	Store Door	859.15	1055.77	N/A	N/A	937.13	1157.14	N/A	N/A
B	Dormitory	1007.69	1228.13	N/A	N/A	1006.47	1226.48	N/A	N/A
C	Passage	723.75	899.20	N/A	N/A	763.41	950.74	N/A	N/A
E	Privacy	880.20	1109.62	N/A	N/A	1043.21	1321.51	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.



RP



RF



RJ



EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
A	773.36	944.73	N/A	N/A	N/A	N/A	950.25	1174.70
B	842.71	1014.07	N/A	N/A	N/A	N/A	1019.59	1244.04
C	677.55	839.63	N/A	N/A	N/A	N/A	885.44	1109.89
E	915.44	1155.90	N/A	N/A	N/A	N/A	983.08	1243.84

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

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
A	Store Door	963.18	1191.00	N/A	N/A	1041.04	1292.25	N/A	N/A
B	Dormitory	1111.72	1363.37	N/A	N/A	1110.38	1361.59	N/A	N/A
C	Passage	827.77	1197.08	N/A	N/A	867.32	1197.05	N/A	N/A
E	Privacy	984.15	1244.74	N/A	N/A	1155.72	1467.77	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.



1164

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
A	877.27	1079.85	N/A	N/A	N/A	N/A	1062.76	1320.96
B	946.61	1149.19	N/A	N/A	N/A	N/A	1132.10	1390.30
C	781.50	974.74	N/A	N/A	N/A	N/A	997.95	1256.15
E	1019.39	1291.05	N/A	N/A	N/A	N/A	1095.63	1390.16

EML

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



1015



1023



1106

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
A	Store Door	818.97	818.97	N/A	N/A	847.47	847.47
B	Dormitory	999.15	999.15	N/A	N/A	1027.65	1027.65
C	Passage	660.02	660.02	N/A	N/A	616.40	616.40
E	Privacy	867.18	785.78	N/A	N/A	884.80	884.80

Options are found on page 243.
Keying Charges are found on page 654.



RS



RF



RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	709.06	709.06
B	N/A	N/A	N/A	N/A	N/A	N/A	889.24	889.24
C	N/A	N/A	N/A	N/A	N/A	N/A	644.25	644.25
E	N/A	N/A	N/A	N/A	N/A	N/A	874.56	874.56

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



1119

EML

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
A	Store Door	971.08	971.08	N/A	N/A	992.00	992.00
B	Dormitory	1151.26	1151.26	N/A	N/A	1172.19	1172.19
C	Passage	812.09	722.50	N/A	N/A	760.94	760.94
E	Privacy	1019.29	1019.29	N/A	N/A	1029.34	1029.34

Options are found on page 243.
Keying Charges are found on page 654.



RS



RF

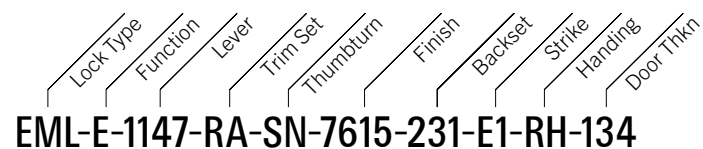


RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	853.59	853.59
B	N/A	N/A	N/A	N/A	N/A	N/A	1033.78	1033.78
C	N/A	N/A	N/A	N/A	N/A	N/A	788.79	788.79
E	N/A	N/A	N/A	N/A	N/A	N/A	1019.10	1019.10



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

Example for Specifying

Premium Series - EML

European Mortise Locks



1004



1016



1076



1164

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
A	Store Door	1063.71	1080.35	N/A	N/A	1247.86	1080.13
B	Dormitory	1243.90	1260.54	N/A	N/A	1428.05	1260.32
C	Passage	904.76	919.57	N/A	N/A	849.07	849.07
E	Privacy	1111.96	1111.96	N/A	N/A	1117.47	1117.47

Options are found on page 243.
Keying Charges are found on page 654.



1102
Available in 7615 only



1134



1163



RS



RF



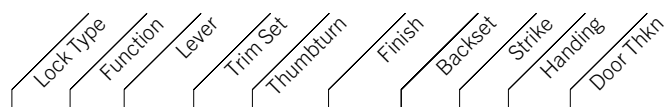
RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
A	N/A	N/A	N/A	N/A	N/A	N/A	941.72	941.72
B	N/A	N/A	N/A	N/A	N/A	N/A	1121.91	1121.91
C	N/A	N/A	N/A	N/A	N/A	N/A	876.91	876.91
E	N/A	N/A	N/A	N/A	N/A	N/A	1107.23	1107.23

EML

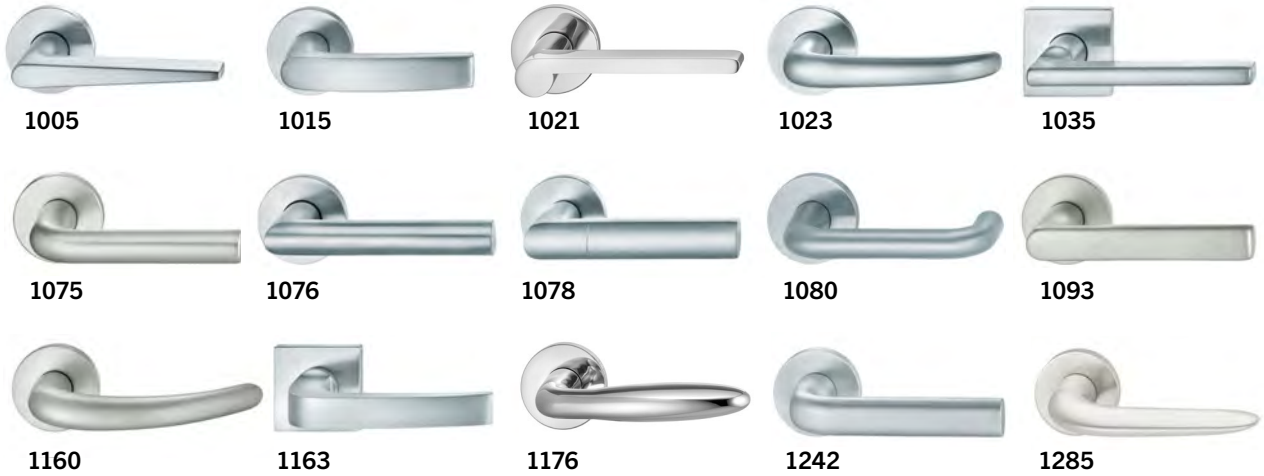


EML-E-1147-RA-SN-7615-231-E1-RH-134

Example for Specifying

Elements Series - EML

European Mortise Locks



Trim Choices

		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions									
A	Store Door	430.57	498.62	N/A	N/A	570.09	680.00	N/A	N/A
B	Dormitory	499.91	567.96	N/A	N/A	639.43	749.34	N/A	N/A
C	Passage	325.66	381.68	N/A	N/A	396.38	473.64	N/A	N/A
E	Privacy	532.07	707.79	N/A	N/A	642.98	801.21	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.

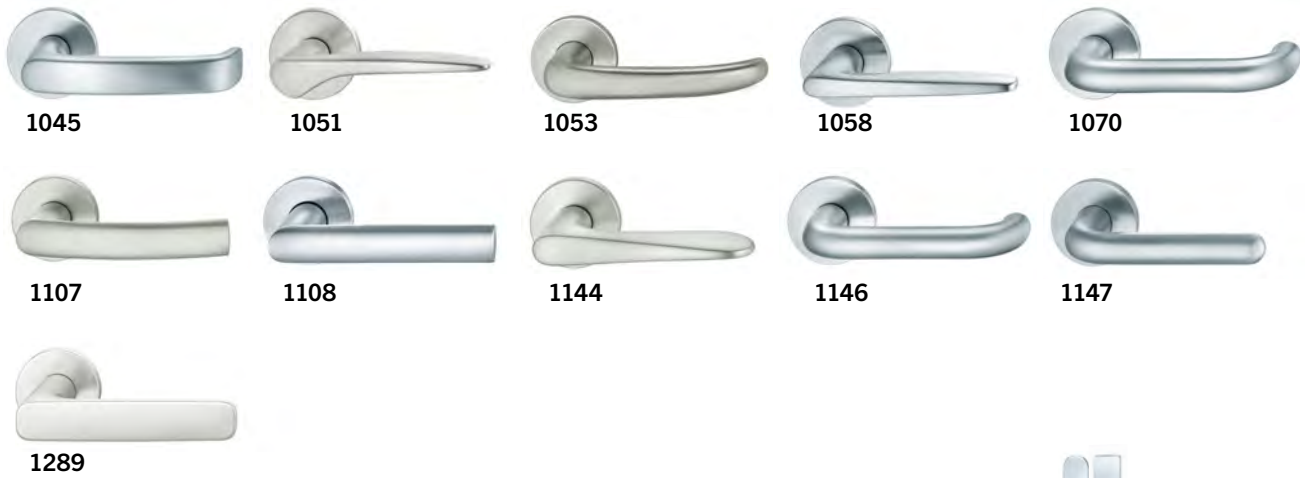
Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



EML

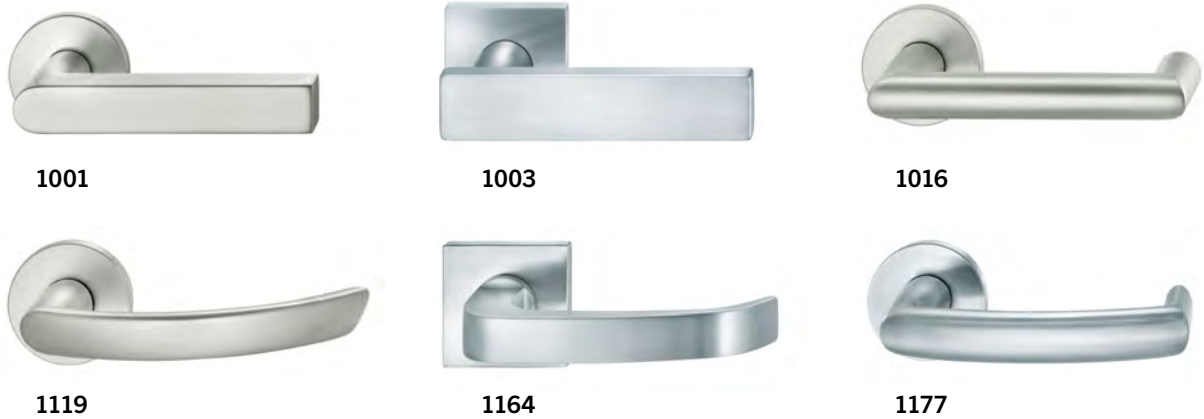
	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	429.60	497.85	N/A	N/A	N/A	N/A	532.01	697.43
B	498.94	567.19	N/A	N/A	N/A	N/A	601.35	766.77
C	318.93	373.41	N/A	N/A	N/A	N/A	534.14	632.62
E	587.87	730.06	N/A	N/A	N/A	N/A	581.39	701.07

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

EML



Trim Choices

		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions									
A	Store Door	460.31	543.98	N/A	N/A	614.68	737.97	N/A	N/A
B	Dormitory	529.65	613.32	N/A	N/A	684.02	807.31	N/A	N/A
C	Passage	345.30	401.08	N/A	N/A	440.96	531.57	N/A	N/A
E	Privacy	505.56	622.58	N/A	N/A	691.23	863.94	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8

Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1031



1088



1106



1178



1241



1271



RP



RF



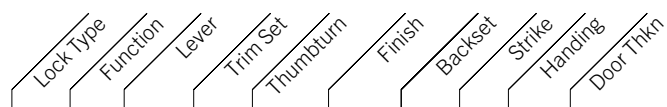
RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	457.27	547.91	N/A	N/A	N/A	N/A	575.21	716.89
B	526.61	617.25	N/A	N/A	N/A	N/A	644.55	786.23
C	360.39	421.74	N/A	N/A	N/A	N/A	548.89	652.08
E	615.81	821.86	N/A	N/A	N/A	N/A	617.52	740.23

EML



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

Example for Specifying

Elements Series - EML

European Mortise Locks



1002



1004



1074



1244



1251



1267

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	499.35	620.71	N/A	N/A	669.04	808.64	N/A	N/A
B	Dormitory	568.69	690.05	N/A	N/A	738.38	877.98	N/A	N/A
C	Passage	364.83	457.56	N/A	N/A	495.36	602.29	N/A	N/A
E	Privacy	572.89	712.34	N/A	N/A	750.10	940.48	N/A	N/A

Options are found on page 243.
Keying Charges are found on page 654.

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1102
Available in 0105 finish only



1134



1183



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	503.28	626.93	N/A	N/A	N/A	N/A	655.53	755.93
B	572.62	696.27	N/A	N/A	N/A	N/A	724.87	825.27
C	388.28	491.31	N/A	N/A	N/A	N/A	590.72	691.12
E	646.21	864.74	N/A	N/A	N/A	N/A	684.45	762.54

EML



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.
- RJ Trim is only available for 1 3/4" solid wood doors.

European Mortise Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	29.76
Special Door	2" to 2 1/4" Thick Doors	Add	54.94
Strikes	EML 1001 99 - Extended Lip Strike for 2 1/4" - 3 3/4" DT	Add	58.38
Dust Box	EML Dust Box Stainless (6204)		41.21

Thumbturn and Release Options



Standard



**Emergency
Release**



**Emergency
with Indicator**

EMIL



HILL

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

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

HLL

Specifying Tubular Latch Sets

Heavy Duty Lever Latch (HLL)

Lock Type	Lock and Latch Function	Lever Design	Trim Set
HLL	C	1147	RA
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.
HLL	C Passage E Privacy Magnetic Latch Functions CM Passage EM Privacy Dummy Functions Y Fixed Back to Back Z Fixed Single	Premium/Elements 1001* 1074* 1160 1002* 1075 1163^ 1003* 1076 1164 1004 1078 1176 1005 1080 1177 1015^ 1088 1178 1016 1093 1183* 1021 1102 1241* 1023^ 1106^ 1242 1025 1107 1244 1031 1108 1251 1035 1119 1267 1045 1134 1271 1051* 1144 1285* 1053^ 1146 1289* 1058 1147 1070	Premium/Elements RA Rose 2 ³ / ₁₆ " (55 mm) RD Rose 2 ⁹ / ₁₆ " (65 mm) RJ Flush Rose* (55 mm) RP Minimal Rose (30 mm) RM Square Rose (55 mm) RS Square Rose 2 ⁹ / ₁₆ " (65 mm) (Covers 2 1/8" bore) EC Long Rounded ED Long Rectangular
		^ Due to weight, only the following bronze levers can be used for HLL Series 1015, 1020, 1023, 1053, 1057, 1106, 1163, 1267 * Elements only + Levers 1003, 1074, 1183 not available with E Function	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. * 6204 Finish Only

HLL

Example for Specifying

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

Anodized Aluminum

- **0105** Natural Color (628)
- **0205** Champagne Silver Color

Textured Anodized Aluminum

- **0410** Bronze Color
- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)

Backset

238

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

Standard

- 238** 2³/₈" Backset
- 234** 2³/₄" Backset

Strike

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.

Handing

RH

Insert Handing for Single Dummy only

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

Door Thickness

134

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

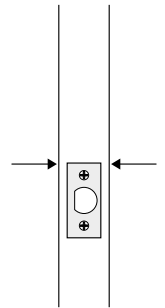
Standard

- 134** 1³/₄"
- 138** 1³/₈"
- 200** 2"

Special Order

- 214** 2¹/₄"

All sizes over 2¹/₄" thick please consult FSB.



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 261 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

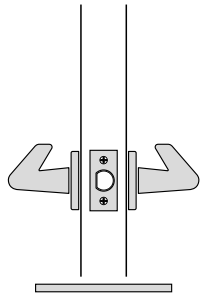
Series HLL Functions

Function C

Passage

Description

Latch bolt by handle either side.



Straight Spindle

Premium and Elements Series Trim Sets

RA



RD



RM



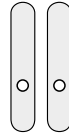
RS



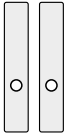
RJ



EC



ED



RP



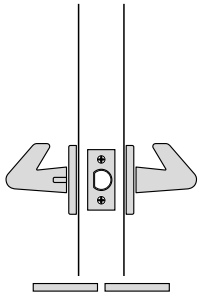
All details subject to modification



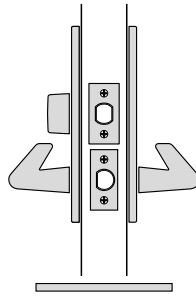
Heavy Duty Lever Latch

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 thumbturn 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

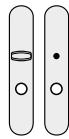
RM

RS



EC

ED



Pictured Below: Round Rose with Privacy Pin



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.

Pictured Below: Minimal Rose with Privacy Pin



All details subject to modification

Heavy Duty Lever Latch

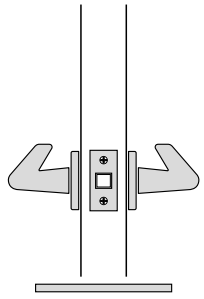
Series HLL Functions

Function CM

Magnetic Passage

Description

Latch bolt by handle either side.



Straight Spindle

Premium and Elements Series Trim Sets

RA



RD



RM



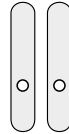
RS



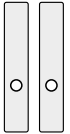
RJ



EC



ED



RP



All details subject to modification

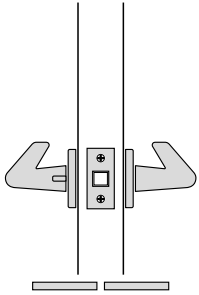


Heavy Duty Lever Latch

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	RP	RM	RS

Pictured Below: Round Rose with Privacy Pin



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

Pictured Below: Minimal Rose with Privacy Pin



All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

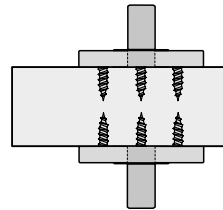
Function Y

Fixed Back to Back Dummy

Trim Sets

RA

RM



Surface mounted subroses.

05 0423 00402

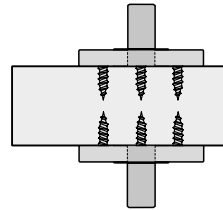


Set includes two dummy mount subroses, one pair of 2³/₁₆" (55 mm) roses and two levers.

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



Heavy Duty Lever Latch

Series HLL Functions

Function Y

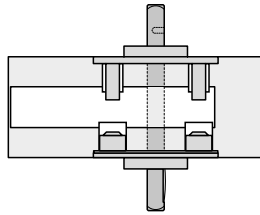
Fixed Back to Back Dummy

Trim Sets

RJ



05 0423 00110

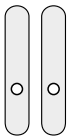


Through bolted mounting with $\frac{3}{4}$ " \varnothing borehole.

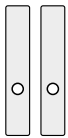
Set includes one mount bar, one straight spindle, one pair of $2\frac{3}{16}$ " (55 mm) flush roses and two levers. Supplied with blank faceplate to cover edge borehole.

Trim Sets

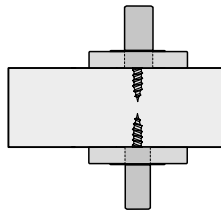
EC



ED



05 0423 00800



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

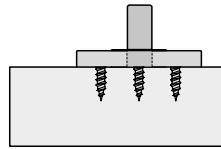
Trim Sets

RA

RM



05 0423 00402



Surface mounted subrose.

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

Trim Sets

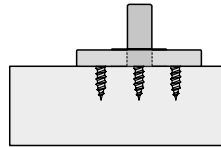
RD

RS



For Elements Series only

05 0423 00701



Surface mounted subrose.

Set includes one dummy mount subrose, one 2³/₁₆" (65 mm) rose and one lever.

All details subject to modification



Heavy Duty Lever Latch

Series HLL Functions

Function Z

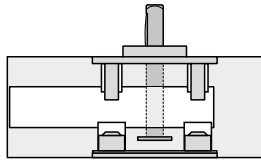
Fixed Single Dummy

Trim Sets

RJ



05 0423 00110

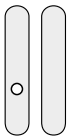


Single sided with $\frac{3}{4}$ " \emptyset edge borehole and blank rose.

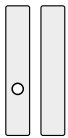
Set includes one mount bar, one half spindle, one pair of $2\frac{3}{16}$ " (55 mm) flush roses and one lever. Supplied with blank faceplate to cover edge borehole.

Trim Sets

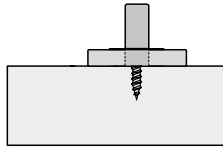
EC



ED



05 0423 00800



Surface mounted subplate.



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

All details subject to modification

Trim Set Roses

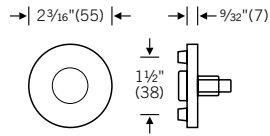
Series HLL

RA

17 1731 01401 ■ ■ ■

Rose 2 3/16" (55 mm)

*Includes finish rose and sub-rose

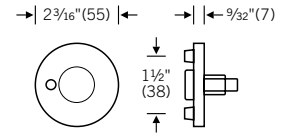


17 1731 00154 Right Hand

17 1731 00155 Left Hand

Privacy Roses 2 3/16" (55 mm)

*Includes finish rose and sub-rose



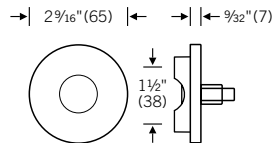
RD

Designed to fit a 2 1/8" bore

17 1798 01401 ■ ■ ■

Rose 2 9/16" (65 mm)

*Includes finish rose and sub-rose

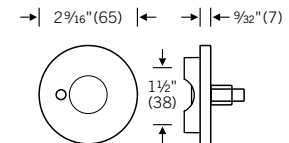


17 1798 00154 Right Hand

17 1798 00155 Left Hand

Privacy Roses 2 9/16" (65 mm)

*Includes finish rose and sub-rose

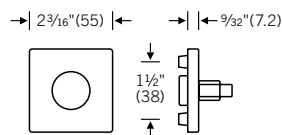


RM

17 1703 01401 ■ ■ ■

Square Rose (55 mm)

*Includes finish rose and sub-rose

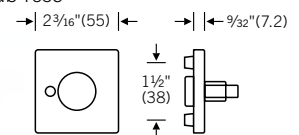


17 1703 00154 Right Hand

17 1703 00155 Left Hand

Privacy Roses 2 3/16" (55 mm)

*Includes finish rose and sub-rose



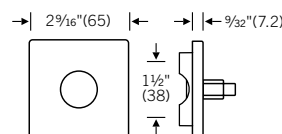
RS

Designed to fit a 2 1/8" bore

17 1797 01401 ■ ■ ■

Square Rose (65 mm)

*Includes finish rose and sub-rose

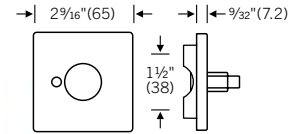


17 1797 00154 Right Hand

17 1797 00155 Left Hand

Privacy Roses 2 9/16" (65 mm)

*Includes finish rose and sub-rose



All details subject to modification

HLL

Trim Sets Roses

Series HLL

RJ

17 1736 09011 ■

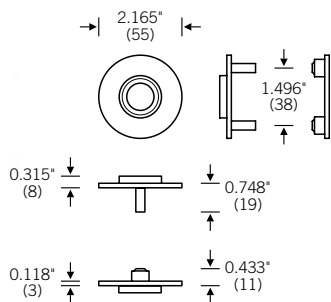
0.118 × 2.165" | 3 × 55 mm, 1 3/4" door thickness only.

Trim Set - Includes two rose assemblies and screws

Levers 1051, 1058, 1163, 1164, 1241 not available with RJ trim.

Note: Privacy function only available with HDD Deadbolt.

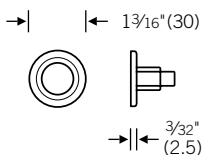
RJ Trim only available in Satin Stainless Steel, Finish 6204.



RP

03 0450 09290 ■■

Minimal Rose



Trim Sets Escutcheon Plates

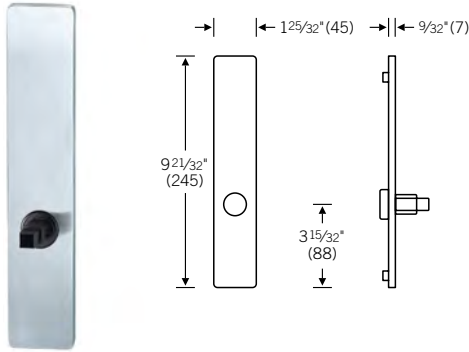
Series HLL

ED

14 1410 09100 ■ ■ ■

9 5/8" (245 mm)

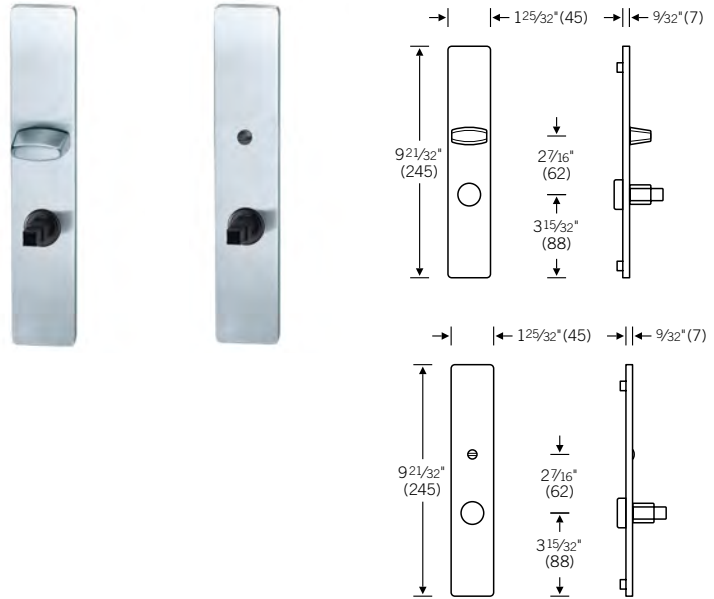
*Includes finish rose and sub-rose



Standard Turn with Emergency Release (SN)

14 1410 09103 ■ ■ ■

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

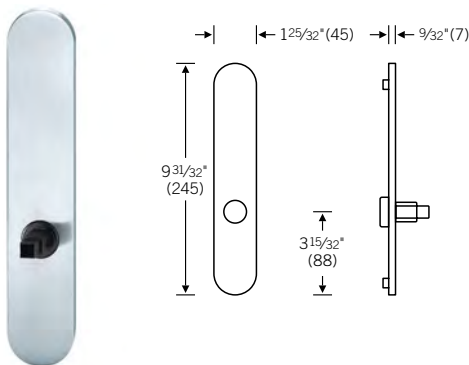


EC

14 1418 09100 ■ ■ ■

9 5/8" (245 mm)

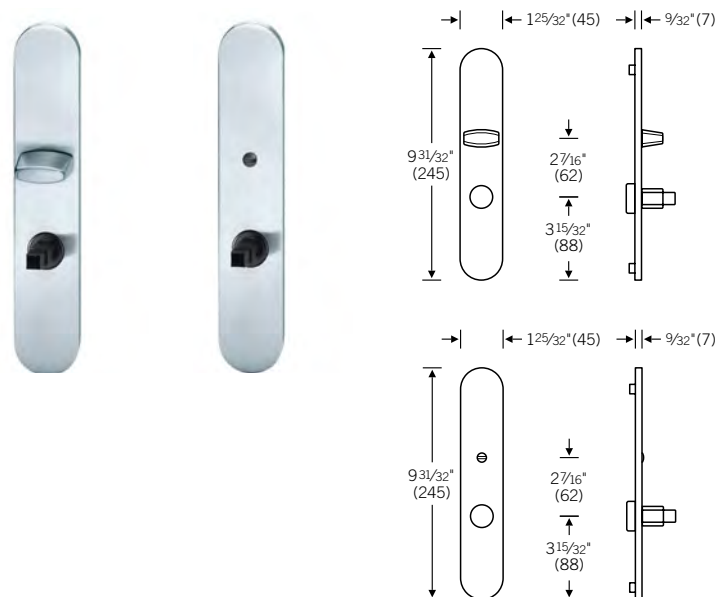
*Includes finish rose and sub-rose



Standard Turn with Emergency Release (SN)

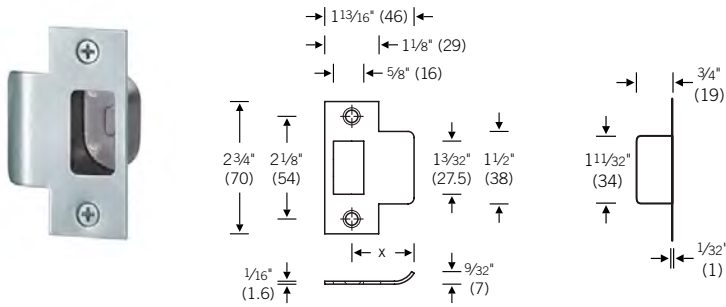
14 1418 09103 ■ ■ ■

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



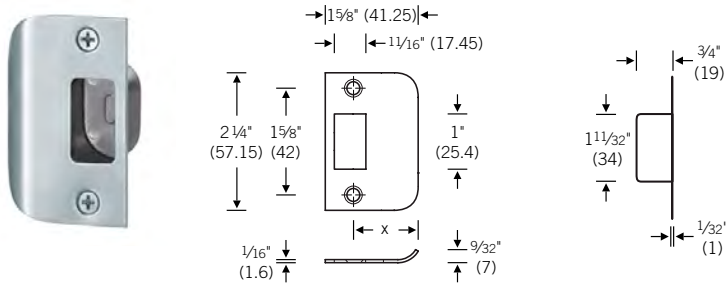
All details subject to modification

HLL Tubular Latch Strikes



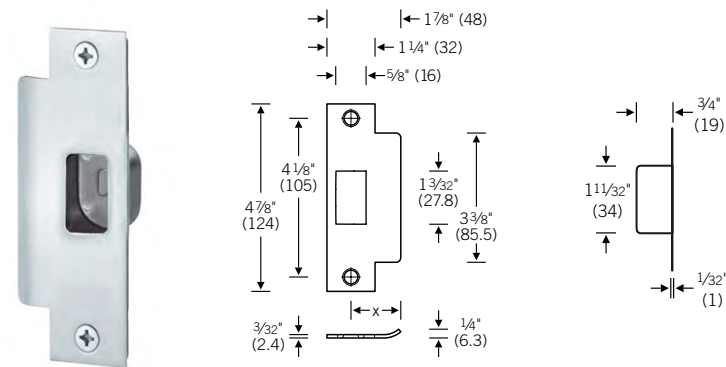
HLL 1001
HLL Series Strike
Standard **T1** = 1 1/4"

HLL 2001
Dustbox for HLL



HLL 1003
HLL Series Strike
T23 = 1 1/4"

HLL 2001
Dustbox for HLL



HLL 1002
HLL Series Strike (ANSI/ASA Strike)
T14 = 1 1/4"

HLL 2001
Dustbox for HLL

Tubular Strike Number	Lip To Center Dimension	Strike Type
T1	1 1/4"	"T" Curved Lip
T2	1"	"T" Curved Lip
T3	1 1/8"	"T" Curved Lip
T4	1 3/8"	"T" Curved Lip
T5	1 1/2"	"T" Curved Lip
T6	1 3/4"	"T" Curved Lip
T7	2"	"T" Curved Lip
T8	2 1/4"	"T" Curved Lip
T9	2 1/2"	"T" Curved Lip
T10	2 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 1/8"	ANSI Curved Lip
T14	1 1/4"	ANSI Curved Lip
T15	1 3/8"	ANSI Curved Lip
T16	1 1/2"	ANSI Curved Lip
T17	1 3/4"	ANSI Curved Lip
T18	2"	ANSI Curved Lip
T19	2 1/4"	ANSI Curved Lip
T20	2 1/2"	ANSI Curved Lip
T21	2 3/4"	ANSI Curved Lip
T22	3"	ANSI Curved Lip
T23	1 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



1005



1023



1035



1070



1107



1108



1146



1147

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
C	Passage	420.80	513.93	492.01	603.61	483.06	594.79	587.92	717.15
E	Privacy	459.72	559.33	531.04	617.70	503.15	615.94	607.90	733.36
Magnetic Functions		RA		RD		RM		RS	
CM	Passage	403.36	491.91	422.98	581.59	461.04	572.76	565.90	695.13
EM	Privacy	430.32	530.04	501.64	588.42	473.81	586.59	578.55	704.01
Dummy Functions		RA		RD		RM		RS	
Y	Fixed Double Dummy	394.74	465.70	465.59	555.03	456.99	546.56	561.50	668.57
Z	Fixed Single Dummy	197.37	232.85	232.79	277.52	228.50	273.28	280.75	334.28

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 285.



1075



1076



1078



1080



1160



1178



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
C	510.37	632.21	N/A	N/A	640.30	N/A	507.66	572.33
E	538.32	665.81	N/A	N/A		N/A	813.96	926.12
CM	488.34	610.19	N/A	N/A	618.27	N/A	551.58	700.17
EM	538.26	665.87	N/A	N/A	N/A	N/A	N/A	N/A
Y	439.69	539.38	N/A	N/A	N/A	N/A	508.78	613.76
Z	N/A	N/A	N/A	N/A	226.00	N/A	254.39	306.88

HLL

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



1177



1242



1267



1271

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
C	Passage	479.65	631.62	550.85	721.30	541.91	712.48	646.77	834.84
E	Privacy	518.57	677.02	589.89	735.39	562.00	733.63	666.74	851.05
Magnetic Functions		RA		RD		RM		RS	
CM	Passage	457.62	609.60	481.83	699.28	519.88	690.45	624.75	812.82
EM	Privacy	489.17	647.73	560.49	706.11	532.65	704.28	637.40	821.70
Dummy Functions		RA		RD		RM		RS	
Y	Fixed Double Dummy	453.58	583.39	524.43	672.72	515.84	664.25	620.35	786.26
Z	Fixed Single Dummy	226.79	291.70	262.22	336.36	257.92	332.12	310.17	393.13

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 285.



1093



1106



1144



1176



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
C	569.21	749.90	N/A	N/A	699.14	N/A	610.43	817.86
E	597.16	783.50	N/A	N/A	N/A	N/A	1015.95	699.81
CM	547.19	727.88	N/A	N/A	677.12	N/A	610.43	817.86
EM	597.10	783.56	N/A	N/A	N/A	N/A	N/A	N/A
Y	498.54	657.07	N/A	N/A	N/A	N/A	567.62	731.45
Z	N/A	N/A	N/A	N/A	226.00	N/A	283.81	365.72

HLL

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



1183



1244



1251

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
C	Passage	625.79	774.41	696.99	864.09	688.04	855.27	792.91	977.63
E	Privacy	664.71	819.81	736.03	878.18	708.13	876.42	812.88	993.84
Magnetic Functions		RA		RD		RM		RS	
CM	Passage	603.76	752.39	627.96	842.07	666.02	833.24	770.88	955.61
EM	Privacy	635.30	790.52	706.62	848.90	678.79	847.07	783.54	964.50
Dummy Functions		RA		RD		RM		RS	
Y	Fixed Double Dummy	599.72	726.18	670.57	815.51	661.98	807.04	766.49	929.05
Z	Fixed Single Dummy	299.86	363.09	335.28	407.76	330.99	403.52	383.24	464.53

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 285.



1053



1088



1119



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
C	715.35	892.69	N/A	N/A	845.28	N/A	756.56	960.65
E	743.30	926.29	N/A	N/A	N/A	N/A	1162.09	699.81
CM	693.33	870.67	N/A	N/A	823.26	N/A	756.56	960.65
EM	743.24	926.35	N/A	N/A	N/A	N/A	N/A	N/A
Y	644.68	799.86	N/A	N/A	N/A	N/A	713.76	874.24
Z	N/A	N/A	N/A	N/A	226.00	N/A	356.88	437.12

HLL

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



1004



1021



1074⁺

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
C	Passage	773.88	925.85	845.08	1015.53	836.13	1006.70	941.00	1129.07
E	Privacy	812.80	971.24	884.12	1029.62	856.22	1027.85	960.97	1145.28
Magnetic Functions		RA		RD		RM		RS	
CM	Passage	751.85	903.83	776.05	993.51	814.11	984.68	918.97	1107.05
EM	Privacy	783.39	941.96	854.71	1000.33	826.88	998.51	931.63	1115.93
Dummy Functions		RA		RD		RM		RS	
Y	Fixed Double Dummy	747.81	877.62	818.66	966.95	810.07	958.47	914.58	1080.49
Z	Fixed Single Dummy	373.90	438.81	409.33	483.47	405.03	479.24	457.29	540.24

Note: When ordering Z Function please specify hand.
⁺ Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 285.



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
C	863.44	1044.13	N/A	N/A	993.37	N/A	904.65	1112.09
E	891.39	1077.73	N/A	N/A	N/A	N/A	1310.18	699.81
CM	841.42	1022.11	N/A	N/A	971.35	N/A	904.65	1112.09
EM	891.33	1077.79	N/A	N/A	N/A	N/A	N/A	N/A
Y	792.77	951.30	N/A	N/A	N/A	N/A	861.85	1025.68
Z	N/A	N/A	N/A	N/A	226.00	N/A	430.93	512.84

HLL

HLL-C-1147-RA-6204-238-T1-134
 Example for Specifying

Premium Series - HLL

Tubular Locks



1102



1134



1163

Trim Choices



RA



RD



RM



RS

Standard Functions		RA		RD		RM		RS	
		6204	6205	6204	6205	6204	6205	6204	6205
C	Passage	926.87	1102.39	998.08	1192.07	989.13	1183.24	1093.99	1305.61
E	Privacy	965.79	1147.78	1037.12	1206.16	1009.22	1204.39	1113.97	1321.81
Magnetic Functions									
CM	Passage	904.85	1080.36	929.05	1170.04	967.11	1161.22	1071.97	1283.58
EM	Privacy	936.39	1118.50	1007.71	1176.87	979.88	1175.05	1084.62	1292.47
Dummy Functions									
Y	Fixed Double Dummy	900.81	1054.16	971.66	1143.48	963.06	1135.01	1067.57	1257.02
Z	Fixed Single Dummy	450.40	527.08	485.83	571.74	481.53	567.51	533.79	628.51

Note: When ordering Z Function please specify hand.
 + Levers 1003, 1074, 1183 not available with E Function
 Options are found on page 285.



1164



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
C	1016.44	1220.67	N/A	N/A	1146.37	N/A	1057.65	1288.63
E	1044.39	1254.27	N/A	N/A	N/A	N/A	1463.18	699.81
CM	994.41	1198.64	N/A	N/A	1124.34	N/A	1057.65	1288.63
EM	1044.33	1254.33	N/A	N/A	N/A	N/A	N/A	N/A
Y	945.76	1127.83	N/A	N/A	N/A	N/A	1014.85	1202.21
Z	N/A	N/A	N/A	N/A	226.00	N/A	507.42	601.11

HLL

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



1015



1023



1106

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
C	Passage	827.05	855.55	921.59	904.40	871.42	899.81
E	Privacy	857.20	898.20	935.66	964.18	895.27	923.77
Magnetic Functions		RA		RD		RM	
CM	Passage	827.05	855.55	885.07	904.40	871.42	899.81
EM	Privacy	801.44	842.42	879.89	908.39	865.93	894.43
Dummy Functions		RA		RD		RM	
Y	Fixed Double Dummy	761.58	820.42	819.25	868.91	805.95	864.68
Z	Fixed Single Dummy	380.79	410.21	409.62	434.46	402.97	432.34

Note: When ordering Z Function please specify hand.
Options are found on page 285.



RS



RF



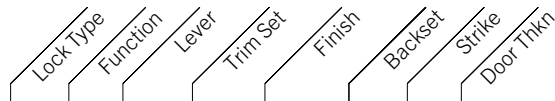
RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
C	N/A	N/A	N/A	N/A	N/A	N/A	1144.36	1203.21
E	N/A	N/A	N/A	N/A	N/A	N/A	1446.89	1505.73
CM	N/A	N/A	N/A	N/A	N/A	N/A	1144.36	1203.21
EM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Y	N/A	N/A	N/A	N/A	N/A	N/A	871.85	930.70
Z	N/A	N/A	N/A	N/A	N/A	N/A	435.93	465.35

HLL



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

Example for Specifying

Premium Series - HLL

Tubular Locks



1053

Trim Choices



		RA		RD		RM	
Standard Functions		7615	7625	7615	7625	7615	7625
C	Passage	885.90	914.40	980.43	963.24	930.27	958.65
E	Privacy	916.05	957.05	994.50	1023.02	954.12	982.62
Magnetic Functions							
CM	Passage	885.90	914.40	943.92	963.24	930.27	958.65
EM	Privacy	860.28	901.26	938.73	967.24	924.77	953.28
Dummy Functions							
Y	Fixed Double Dummy	820.42	879.27	878.09	927.76	864.79	923.52
Z	Fixed Single Dummy	410.21	439.63	439.05	463.88	432.40	461.76

Note: When ordering Z Function please specify hand.
Options are found on page 285.



RS



RF



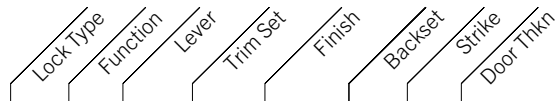
RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
C	N/A	N/A	N/A	N/A	N/A	N/A	1203.21	1262.05
E	N/A	N/A	N/A	N/A	N/A	N/A	1431.48	1490.32
CM	N/A	N/A	N/A	N/A	N/A	N/A	1203.21	1262.05
EM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Y	N/A	N/A	N/A	N/A	N/A	N/A	930.70	989.55
Z	N/A	N/A	N/A	N/A	N/A	N/A	465.35	494.77

HLL



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

Example for Specifying




Premium Series - HLL

Tubular Locks



1163

Trim Choices

		 RA		 RD		 RM	
Standard Functions		7615	7625	7615	7625	7615	7625
C	Passage	885.90	973.25	980.43	1022.09	930.27	1017.50
E	Privacy	916.05	1015.89	994.50	1081.87	954.12	1041.47
Magnetic Functions							
CM	Passage	885.90	973.25	943.92	1022.09	930.27	1017.50
EM	Privacy	860.28	960.11	938.73	1026.08	924.77	1012.12
Dummy Functions							
Y	Fixed Double Dummy	820.42	938.11	878.09	986.60	864.79	982.37
Z	Fixed Single Dummy	410.21	469.06	439.05	493.30	432.40	491.18

Note: When ordering Z Function please specify hand.
Options are found on page 285.



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	7615	7625	7615	7625	7615	7625	7615	7625
C	N/A	N/A	N/A	N/A	N/A	N/A	1203.21	1320.90
E	N/A	N/A	N/A	N/A	N/A	N/A	1431.48	1549.17
CM	N/A	N/A	N/A	N/A	N/A	N/A	1203.21	1320.90
EM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Y	N/A	N/A	N/A	N/A	N/A	N/A	930.70	1048.39
Z	N/A	N/A	N/A	N/A	N/A	N/A	465.35	524.20

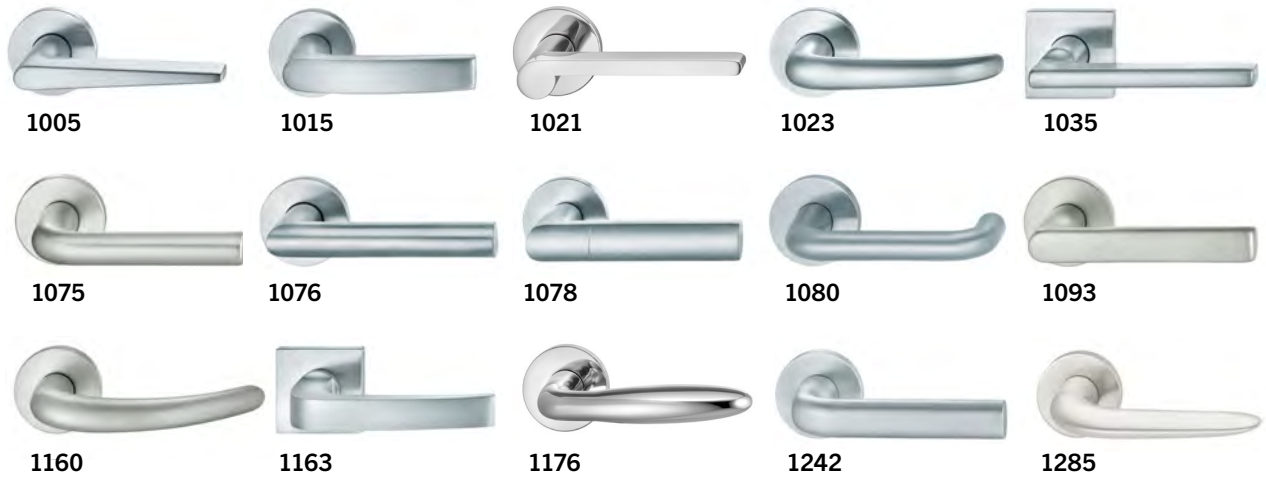
HLL

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



Trim Choices



RA



RD



RM



RS

		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions									
C	Passage	278.04	388.59	356.37	497.51	365.37	510.87	395.62	549.53
E	Privacy	314.43	431.45	391.52	544.02	401.76	553.62	418.30	564.38
Magnetic Functions									
CM	Passage	256.02	366.57	332.99	474.13	343.35	488.85	373.59	526.15
EM	Privacy	285.15	402.11	362.24	509.91	356.12	503.03	388.95	535.04
Dummy Functions									
Y	Fixed Double Dummy	251.98	316.94	328.59	424.16	339.30	439.22	369.20	476.18
Z	Fixed Single Dummy	125.99	158.47	164.30	212.08	169.65	219.61	184.60	238.09

Note: When ordering Z Function please specify hand.
Options are found on page 285.

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
C	336.37	464.79	N/A	N/A	N/A	N/A	444.49	557.07
E	361.56	494.92	N/A	N/A	N/A	N/A	461.00	506.00
CM	314.35	442.77	N/A	N/A	N/A	N/A	422.47	535.05
EM	361.62	494.92	N/A	N/A	N/A	N/A	N/A	N/A
Y	265.70	348.54	N/A	N/A	N/A	N/A	376.02	476.65
Z	N/A	N/A	N/A	N/A	N/A	N/A	188.01	238.32

HLL

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



1001



1003



1016



1119



1164



1177

Trim Choices



RA



RD



RM



RS

		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions									
C	Passage	336.89	470.97	413.86	578.54	424.22	593.25	454.46	630.56
E	Privacy	373.28	513.84	450.37	622.99	444.31	636.00	477.14	646.77
Magnetic Functions									
CM	Passage	314.87	448.95	391.84	556.52	402.19	571.23	432.44	608.54
EM	Privacy	343.99	484.49	421.08	592.30	414.96	606.65	447.80	617.42
Dummy Functions									
Y	Fixed Double Dummy	310.82	399.33	387.44	506.54	398.15	521.61	428.04	558.56
Z	Fixed Single Dummy	155.41	199.66	193.72	253.27	199.07	260.80	214.02	279.28

Note: When ordering Z Function please specify hand.
Options are found on page 285.

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8



1031



1088



1106



1178



1241



1271



RP



RF



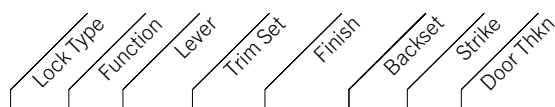
RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
C	395.22	547.18	N/A	N/A	N/A	N/A	503.34	639.45
E	420.41	577.31	N/A	N/A	N/A	N/A	600.58	729.37
CM	373.20	525.15	N/A	N/A	N/A	N/A	481.31	617.43
EM	420.46	577.31	N/A	N/A	N/A	N/A	N/A	N/A
Y	324.55	430.93	N/A	N/A	N/A	N/A	434.87	559.03
Z	N/A	N/A	N/A	N/A	N/A	N/A	217.43	279.52

HLL



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

Example for Specifying

Elements Series - HLL

Tubular Locks



1002



1004



1074



1244



1251



1267

Trim Choices



RA



RD



RM



RS

		RA		RD		RM		RS	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions									
C	Passage	395.73	506.28	472.70	613.85	483.06	628.56	513.31	665.87
E	Privacy	432.13	549.14	509.21	658.30	503.15	671.31	535.99	682.08
Magnetic Functions									
CM	Passage	373.71	484.26	450.68	591.83	461.04	606.54	491.28	643.85
EM	Privacy	402.84	519.80	479.93	627.60	473.81	641.96	506.64	652.73
Dummy Functions									
Y	Fixed Double Dummy	369.67	434.63	446.28	541.85	456.99	556.91	486.89	593.87
Z	Fixed Single Dummy	184.83	217.32	223.14	270.92	228.50	278.46	243.44	296.93

Note: When ordering Z Function please specify hand.
Options are found on page 285.

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8



1102
Available in 0105 finish only



1134



1183



RP



RF



RJ



EC-ED

	RP		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
C	454.06	582.49	N/A	N/A	N/A	N/A	562.18	674.76
E	479.25	612.61	N/A	N/A	N/A	N/A	659.43	764.68
CM	432.04	560.46	N/A	N/A	N/A	N/A	540.16	652.74
EM	479.31	612.61	N/A	N/A	N/A	N/A	N/A	N/A
Y	383.39	466.23	N/A	N/A	N/A	N/A	493.71	594.34
Z	N/A	N/A	N/A	N/A	N/A	N/A	246.86	297.17

HLL

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

- RJ Trim is only available for 1 ¾" solid wood doors.
- 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. Not available with RJ Trim.	Add	30.91
	2 ¾" to 3" Thick doors. Not available with RJ Trim.	Add	38.92
Extended Lip T Strike	HLL 1001 99 T2 - T5 Strike	Add	40.06
Extended Lip T Strike	HLL 1001 99 T6 - T11	Add	48.08
Full Lip Strike	HLL 1003 T23	Add	20.60
Faceplate	118 - 1 ½" x 2 ¼" latch front and faceplate for Spring Latch	Add	35.48

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Tubular Latches (includes strike, scalp & dust box)	HLL 7010	UL Passage Latch	171.70	206.04
	HLL 7230	Passage Latch	101.88	121.34
	HLL 7240	Privacy Latch	122.48	146.52
	HLL 7230 M	Magnetic Passage Latch	201.46	-
	HLL 7240 M	Magnetic Privacy Latch	206.04	-
	Note: Specify 2 ¾" or 2 ¾" backset and finish.			
Tubular Strikes	HLL 1001	HLL Strike for Spring Latch	13.74	16.03
	HLL 1001 99	T1 - T5 Strike	40.06	46.93
	HLL 1001 99	T6 - T11	48.08	57.23
	HLL 1002	ANSI HLL Strike T14	29.76	35.48
	HLL 1002	ANSI HLL Strikes T12, T13, T15, T16	40.06	46.93
	HLL 1002	ANSI HLL Strikes T17 - T22	48.08	57.23
	HLL 1003	Full Lip Strike	20.60	25.18
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 ½" Diam.)	Each	5.72
Dust box	HLL 2001	Plastic Dust Box	Each	8.01





Deadbolts

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
<p>HDD</p> <p>Insert your choice of Lock Type.</p> <p>HDD Tubular Deadbolt MDD Mini Mortise Deadbolt KDD Keyed Tubular Deadbolt</p>	<p>S</p> <p>Insert your choice of function using one of the letter codes below.</p> <p>HDD</p> <p>R Thumbturn Deadbolt S Thumbturn Deadbolt with Emergency Release</p> <p>MDD</p> <p>M Keyed Deadbolt N Key x Key Deadbolt P Key x Thumbturn Deadbolt R Thumbturn Deadbolt S Thumbturn Deadbolt with Emergency Release</p>	<p>RA</p> <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 RJ^Flush Rose (55 mm) RM Square Rose</p> <p>* Available in Stainless Steel and Aluminum only. ^ Only available for HDD in 6204 Stainless Steel.</p>	<p>SN</p> <p>Insert your choice of thumbturn using the codes provided.</p> <p> Standard thumbturn, available with RA, RM and RJ 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</p> <p>N Key x Key Deadbolt P Key x Thumbturn Deadbolt</p>	<p>Premium/Elements</p> <p>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

Anodized Aluminum

- **0105** Natural Color (628)
- **0205** Champagne Silver Color

Textured Anodized Aluminum

- **0410** Bronze Color
- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)

Backset

238

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

**Standard Tubular
HDD/KDD**

- 238** 2³/₈" Backset
- 234** 2³/₄" Backset

**Standard Mortise
MDD**

- 212** 2¹/₂" Backset
- 234** 2³/₄" Backset

Handing

All sets are non-handed.

Door Thickness

134

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

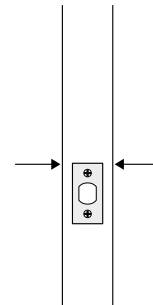
Standard

- 134** 1³/₄"

Special Order

- 200** 2"
- 214** 2¹/₄"

All sizes over 2¹/₄" thick please consult FSB.



Heavy Duty Privacy Deadbolt

Series HDD Functions



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

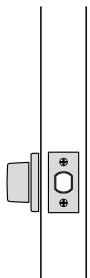
HDD

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



RJ-S



RF-C



Heavy Duty Privacy Deadbolt

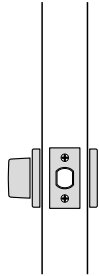
Series HDD Functions

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



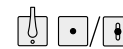
RA-DN/DI



RM-SN/SI



RM-DN/DI



RJ-SI



RF-CI



HDD

Mini Mortise Deadbolt

Series MDD Functions



Series MDD

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

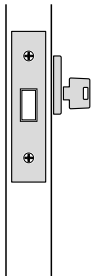
Function M

Single Key Deadlock

Description

Deadbolt by key outside.
No operation inside.

ANSI Code F18



Premium and Elements Series Trim Sets

RA

RM

RF



Mini Mortise Deadbolt

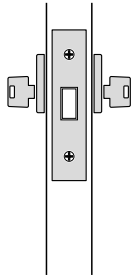
Series MDD Functions

Function N

Key x Key Deadlock

Description
Deadbolt by key either side.

ANSI Code F16



Premium and Elements Series Trim Sets

RA



RM



RF



MDD

Mini Mortise Deadbolt

Series MDD Functions

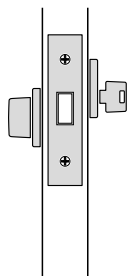
Function P

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



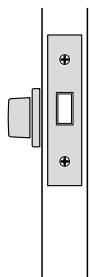
MDD

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

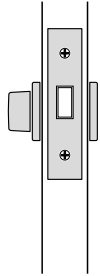
Series MDD Functions

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

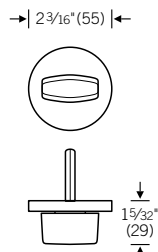


MDD

Thumbturns for RA 55mm Rose Deadbolt HDD, MDD

S

17 1744 00169 
Standard Thumbturn

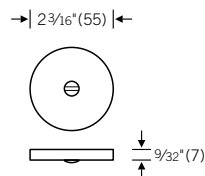
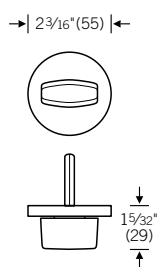


HDD / MDD


Standard Turn with Emergency Release (SN)

17 1744 00160 

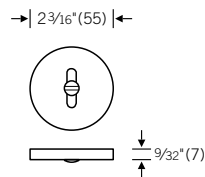
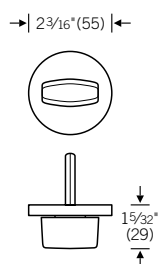
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)

17 1744 00159 

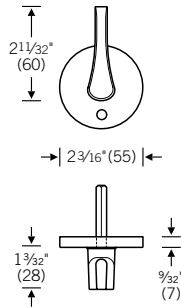
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RA 55mm Rose Deadbolt HDD, MDD

D

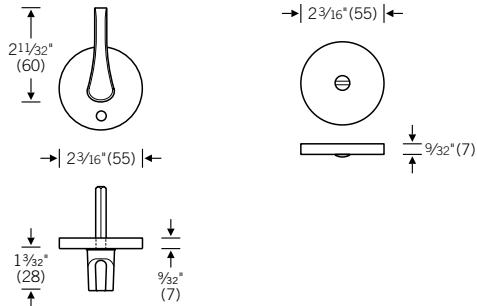
17 1744 09169 ■ ■
ADA Thumbturn



ADA Turn with Emergency Release (DN)

17 1744 09160 ■ ■

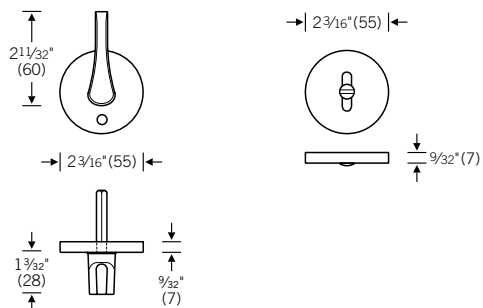
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)


17 1744 09159 ■ ■

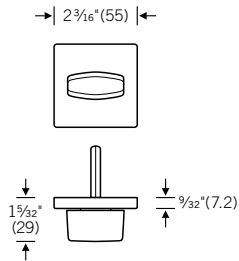
Trim Set - Includes two rose assemblies, spindle and screws



Thumbturns for RM 55mm Square Rose Deadbolt HDD, MDD

S

17 1712 00169 
Standard Thumbturn

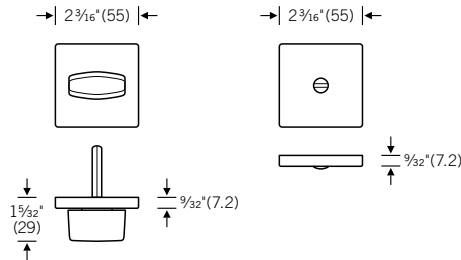


HDD / MDD

Standard Turn with Emergency Release (SN)

17 1712 00160 

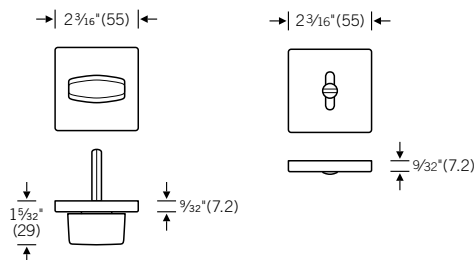
Trim Set - Includes two rose assemblies, spindle and screws



Standard Turn with Emergency Release and Indicator (SI)


17 1712 00159 

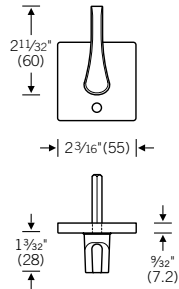
Trim Set - Includes two rose assemblies, spindle and screws




Thumbturns for RM 55mm Square Rose Deadbolt HDD, MDD

D

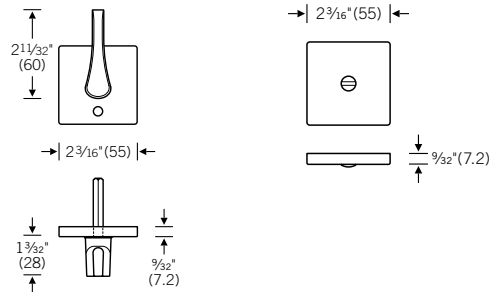
17 1712 09169 
ADA Thumbturn



ADA Turn with Emergency Release (DN)

17 1712 09160 

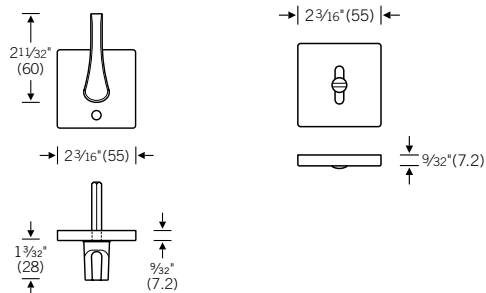
Trim Set - Includes two rose assemblies, spindle and screws



ADA Turn with Emergency Release and Indicator (DI)

17 1712 09159 

Trim Set - Includes two rose assemblies, spindle and screws

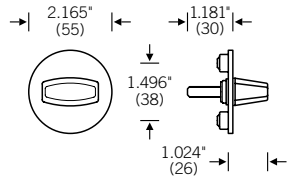


HDD / MDD

Trim Set RJ Flush Rose Deadbolt HDD

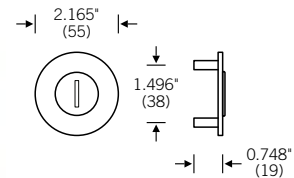
S

17 1737 09018 ■
Standard Thumbturn



N

Emergency Release



Set with Standard Thumbturn (**SN**) 17 1737 09018

HDD / MDD

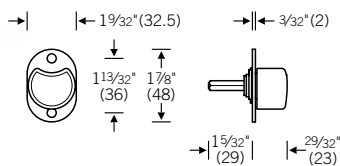
RJ trim cannot be purchased independently from lockset. Trim number for reference only.
RJ trim is available for 1 3/4" door thickness only using wood screws.
RJ trim only available in Satin Stainless Steel, Finish 6204.

Trim Set RF Narrow Rose Deadbolt HDD, MDD

Premium and Elements

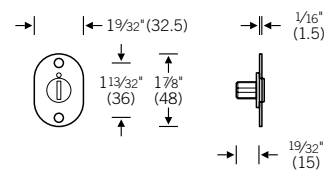
C

03 0418 09001 ■ ■
Crescent Thumbturn



I

Emergency Release with Indicator



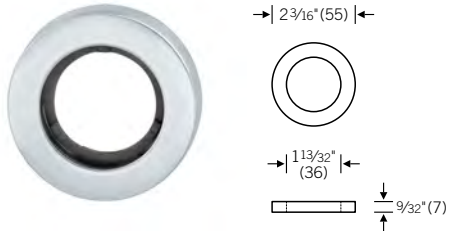
Set with Crescent Thumbturn (**CI**) 03 0418 09002

Cylinder Rings for MDD

Deadbolt MDD

RA Cylinder Ring

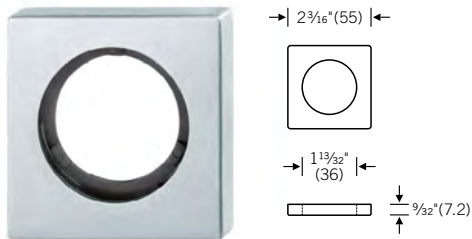
17 1735 12601 ■ ■ ■



Cylinders must be ordered separately

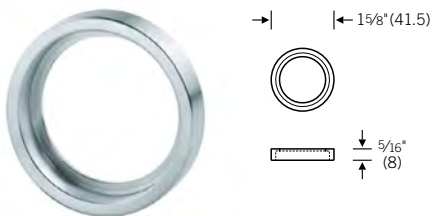
RM Cylinder Ring

17 1704 12601 ■ ■ ■



RF Cylinder Ring

03 0450 09001 ■ ■



HDD / MDD

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.

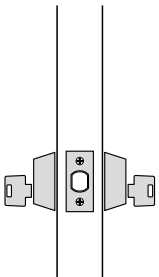
KDD

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 and
0810 Black Color
Aluminum only.

Keyed Deadbolt

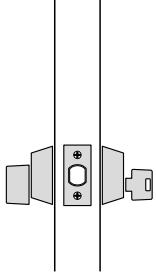
Series KDD Functions

Function P

Key x Thumbturn
Deadbolt

Description

Deadbolt by key outside and thumbturn inside.



Premium and Elements Series Trim Sets

DA



DD



RA*



RD*



RM*



* Available in Stainless Steel and 0810 Black Color Aluminum only.

KDD

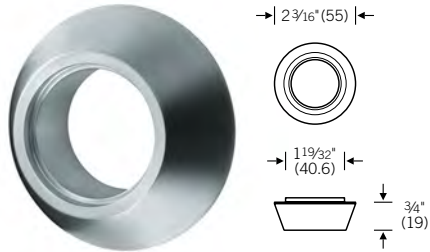


Trim Sets

Keyed Deadbolt KDD

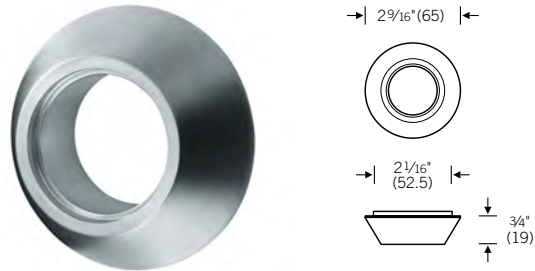
DA

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



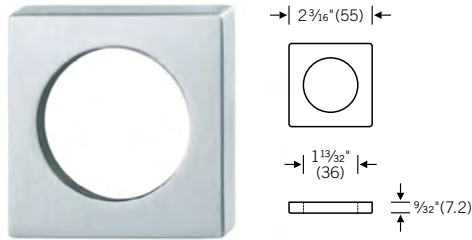
DD

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



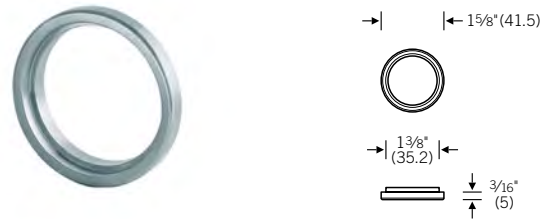
RM Cylinder Ring*

17 1704 12601 ■ ■



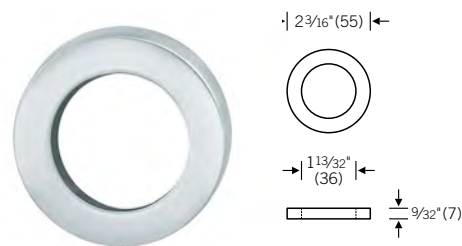
Cylinder Extension Ring*

03 0450 09013 ■ ■
1 3/8" (35 mm) × 3/16" (5 mm)



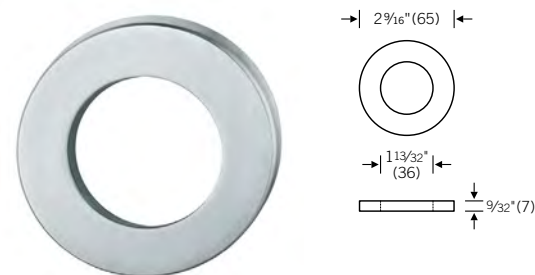
RA Cylinder Ring*

17 1735 12601 ■ ■



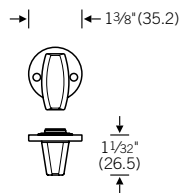
RD Cylinder Ring*

17 1798 02601 ■ ■



Thumbturn

03 0450 09012 ■ ■



Cylinder must be ordered separately

* Available in Stainless Steel and 0810 Black Color Aluminum 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

5/16" (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		RD	
		6204	6205	6204	6205
R	Thumbturn	165.87	190.18	N/A	N/A
S	Turn & Release	207.83	242.49	N/A	N/A

Standard Functions	Function Description	7615		7625	
		7615	7625	7615	7625
R	Thumbturn	222.25	226.07	N/A	N/A
S	Turn & Release	282.97	373.56	N/A	N/A

Standard Functions	Function Description	0105		All Other Aluminum	
		0105	All Other Aluminum	0105	All Other Aluminum
R	Thumbturn	133.57	153.10	N/A	N/A
S	Turn & Release	160.28	187.65	N/A	N/A

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8



RM



RF



RJ



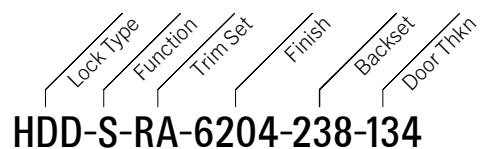
EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
R	179.76	208.24	N/A	N/A	N/A	N/A	N/A	N/A
S	259.61	309.87	N/A	N/A	N/A	N/A	N/A	N/A

	7615	7625	7615	7625	7615	7625	7615	7625
R	269.79	266.38	N/A	N/A	N/A	N/A	N/A	N/A
S	377.89	365.89	N/A	N/A	N/A	N/A	N/A	N/A

	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
R	180.82	219.19	N/A	N/A	N/A	N/A	N/A	N/A
S	260.67	328.05	N/A	N/A	N/A	N/A	N/A	N/A

HDD



HDD-S-RA-6204-238-134

Example for Specifying

Mini Mortise Deadbolts - MDD

Deadbolts

Trim Choices



Standard Functions	Function Description	RA		RD	
		6204	6205	6204	6205
M	Single Key	408.98	420.57	N/A	N/A
N	Key x Key	484.13	507.31	N/A	N/A
P	Key x Turn	501.19	537.09	N/A	N/A
R	Thumbturn	499.07	547.67	N/A	N/A
S	Turn & Release	575.63	644.95	N/A	N/A
		7615	7625	7615	7625
M	Single Key	408.98	419.75	N/A	N/A
N	Key x Key	484.13	505.66	N/A	N/A
P	Key x Turn	501.19	572.16	N/A	N/A
R	Thumbturn	611.82	616.11	N/A	N/A
S	Turn & Release	901.51	904.77	N/A	N/A
		0105	All Other Aluminum	0105	All Other Aluminum
M	Single Key	392.97	399.74	N/A	N/A
N	Key x Key	452.11	465.65	N/A	N/A
P	Key x Turn	452.88	479.18	N/A	N/A
R	Thumbturn	434.46	473.53	N/A	N/A
S	Turn & Release	480.53	535.26	N/A	N/A

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8



RM



RF



RJ



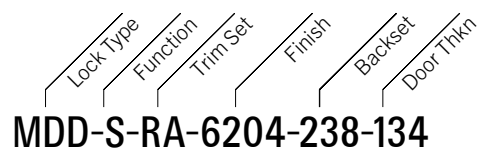
EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
M	427.28	444.41	N/A	N/A	N/A	N/A	N/A	N/A
N	520.73	554.98	N/A	N/A	N/A	N/A	N/A	N/A
P	533.38	578.98	N/A	N/A	N/A	N/A	N/A	N/A
R	526.84	583.81	N/A	N/A	N/A	N/A	N/A	N/A
S	671.90	770.17	N/A	N/A	N/A	N/A	N/A	N/A

	7615	7625	7615	7625	7615	7625	7615	7625
M	501.43	501.43	N/A	N/A	N/A	N/A	N/A	N/A
N	669.02	669.02	N/A	N/A	N/A	N/A	N/A	N/A
P	697.56	694.15	N/A	N/A	N/A	N/A	N/A	N/A
R	706.91	700.08	N/A	N/A	N/A	N/A	N/A	N/A
S	915.75	891.74	N/A	N/A	N/A	N/A	N/A	N/A

	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
M	440.93	518.61	N/A	N/A	N/A	N/A	N/A	N/A
N	548.03	703.38	N/A	N/A	N/A	N/A	N/A	N/A
P	548.09	664.13	N/A	N/A	N/A	N/A	N/A	N/A
R	528.96	605.70	N/A	N/A	N/A	N/A	N/A	N/A
S	674.02	805.83	N/A	N/A	N/A	N/A	N/A	N/A

MDD



MDD-S-RA-6204-238-134

Example for Specifying

Keyed Tubular Deadbolts - KDD

Tubular Locks



Standard Functions	Function Description	DA		DD	
		6204	6205	6204	6205
N	Deadbolt - Key x Key	318.59	356.84	376.96	434.63
P	Deadbolt - Key x TT	403.59	478.38	461.96	556.18

		0105	All Other Aluminum	0105	All Other Aluminum
N	Deadbolt - Key x Key	279.16	317.06	313.06	361.08
P	Deadbolt - Key x TT	344.86	413.53	378.76	457.55

Anodized Aluminum

- 0105 0510
- 0205 0710
- 0410 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8



	RA		RD		RM	
	Stainless Steel	Aluminum	Stainless Steel	Aluminum	Stainless Steel	Aluminum
	6204	0810	6204	0810	6204	0810
N	360.28	370.41	413.38	488.22	400.67	608.15
P	449.07	466.89	498.38	584.70	485.67	700.83

Lock Type
 Function
 Trim Set
 Thumbturn
 Finish
 Backset
 Door Thkn

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

Example for Specifying

HDD, MDD Options

Deadbolts

– RF Trim is only available with the crescent thumbturn.



RF

HDD, MDD Options

HDD / MDD

Options	Descriptions		Price
Special Door Thickness	2 ¼" to 3 ½" Thick Doors	Add	14.88

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	HDD 7220	Heavy Duty Privacy Deadbolt	100.73	120.19
Strike	HDD 1001	Strike for HDD	16.03	21.75
Dustbox	HLL 2001	Dustbox for HDD	8.01	8.01

Thumbturn and Release Options



Standard



ADA



Emergency Release

Options	Descriptions		Price	
Thumbturns	"D" Thumbturn (ADA TT)	All Stainless Finishes	Add	143.08
	"D" Thumbturn (ADA TT)	All Aluminum Finishes	Add	67.54

KDD Options

Deadbolts

KDD Options

Options	Descriptions		Price
Special Door Thickness	For doors over 2 ¼" thickness	Add	14.88

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	KDD 7070	Keyed Deadbolt	91.57	101.88
Strike	HDD 1001	Strike for KDD	16.03	21.75
Dustbox	HLL 2001	Dustbox for KDD	8.01	-

KDD



TLS

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)

Lock Type	Lock Function	Lever Design	Trim Set	Thumbturn and Indicator
SLL	B	1147	RA	S
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.
SLL	B Dormitory E Privacy T Patio	Premium/Elements 1001* 1106 1002* 1107 1003 1108 1004 1119 1005 1134 1015 1144 1016 1146 1023 1147 1025 1160 1031 1163 1035 1164 1045 1176 1053 1177 1058 1178 1070 1183 1074 1241* 1075 1242 1076 1244 1078 1251 1080 1271 1088 1267 1093 1285* 1102 1289*	Premium/Elements RA Rose 2 ³ / ₁₆ " (55 mm) RD Rose 2 ⁹ / ₁₆ " (65 mm) RF Narrow Rose RJ Flush Rose (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 Trim only C Premium/Elements Emergency Releases  N  I
		* Elements Only		

SLL

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

Anodized Aluminum

- **0105** Natural Color (628)
- **0205** Champagne Silver Color

Textured Anodized Aluminum

- **0410** Bronze Color
- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)

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.

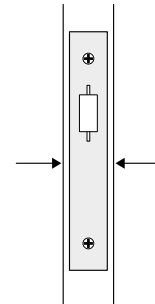
Standard

134 1 ¾"

Special Order

- 138** 1 ⅜"
- 200** 2"
- 214** 2 ¼"

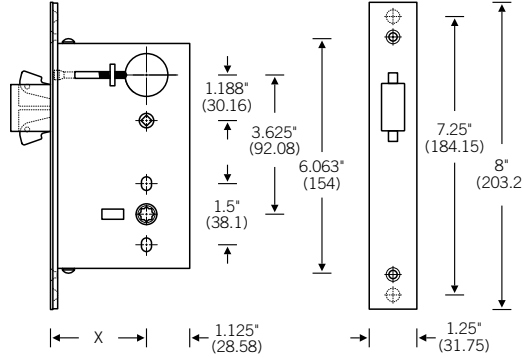
All sizes over 1 ¾" thick are special order. Please consult FSB.



SLL

Sliding Lever Lock

Series SLL Functions



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

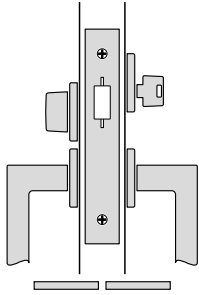
Function B

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



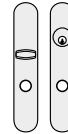
RD-S



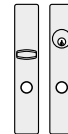
RM-S



EC-S



ED-S



RA-D



RD-D



RM-D



RF-C



Sliding Lever Lock

Series SLL Functions

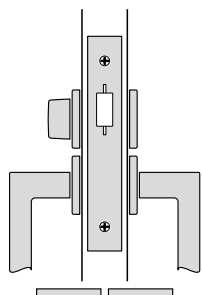
Function E

Privacy

ANSI Code F19

Description

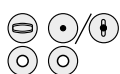
Dead bolt by handle inside only.
 Dead bolt by thumbturn inside and
 emergency release outside.
 Outside handle is always rigid.



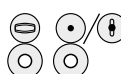
Split Spindle

Premium and Elements Series Trim Sets

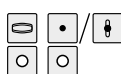
RA-SN/SI



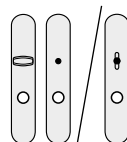
RD-SN/SI



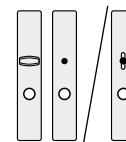
RM-SN/SI



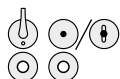
EC-SN/SI



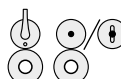
ED-SN/SI



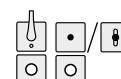
RA-DN/DI



RD-DN/DI



RM-DN/DI



RF-CI



Sliding Lever Lock

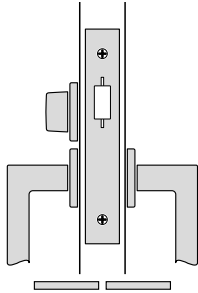
Series SLL Functions

Function T

Patio

Description

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



Split Spindle

Premium and Elements Series Trim Sets

RA-S



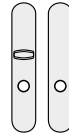
RD-S



RM-S



EC-S



ED-S



RA-D



RD-D



RM-D

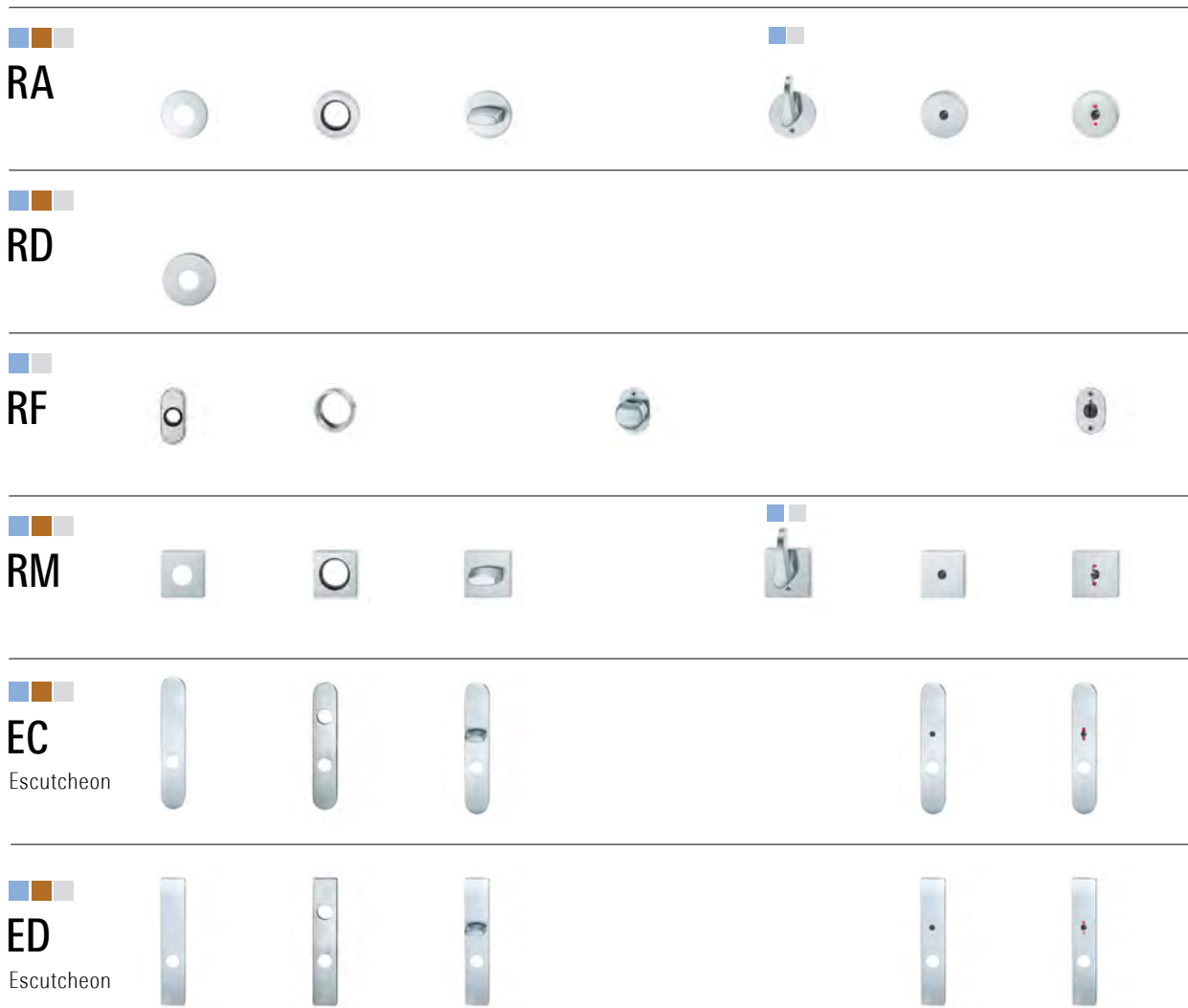


RF-C



Trim Set Overview

Sliding Lever Lock (SLL)



SLL

For trim set details please refer to Standard Mortise Locks Section

	Premium Series	Elements Series	
Material	■ Stainless Steel ■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 7615 (615) ■ 6205 (629) ■ 7625 (613)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) ■ 8220 ■ 0810 (711)	

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

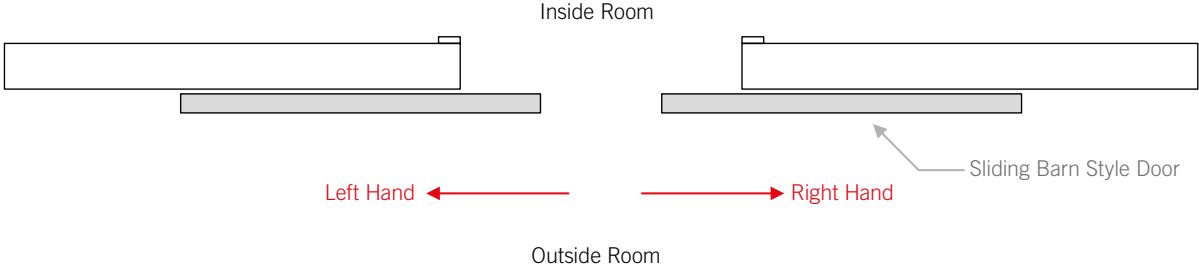
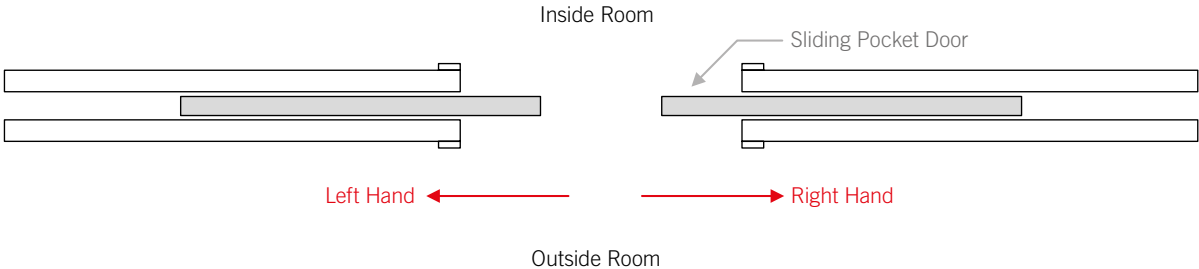
3.625" (92 mm) center lever hub to center cylinder, 2.4375" (62 mm) center lever hub to center thumbturn hub.

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.



SLL



Sliding Door Lever Lock

Premium Series - SLL

Sliding Lever Locks



1005



1023



1035



1070



1107



1108



1146



1147

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1249.96	1378.62	1320.81	1467.95	1344.40	1501.37
E	Privacy	1206.06	1333.49	1276.91	1422.82	1316.45	1476.95
T	Patio	1164.10	1281.17	1234.95	1370.50	1240.25	1380.09

Options are found on page 349.
Keying Charges are found on page 654.



1075



1076



1078



1080



1160



1178



RS



RF



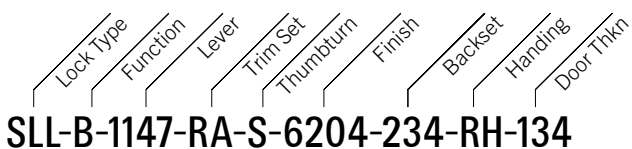
RJ



EC-ED

	RS		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
B	N/A	N/A	N/A	N/A	N/A	N/A	1322.39	1473.66
E	N/A	N/A	N/A	N/A	N/A	N/A	1288.03	5353.95
T	N/A	N/A	N/A	N/A	N/A	N/A	1273.02	1422.46

SLS



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

Example for Specifying

Premium Series - SLL

Sliding Lever Locks



1003



1015



1016



1058



1177



1242



1267



1271

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1308.80	1496.31	1379.65	1585.64	1403.25	1619.07
E	Privacy	1264.90	1451.18	1335.75	1540.51	1375.30	1594.64
T	Patio	1222.95	1398.87	1293.80	1488.19	1299.09	1497.78

Options are found on page 349.
Keying Charges are found on page 654.



1093



1106



1144



1176



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
B	N/A	N/A	N/A	N/A	N/A	N/A	1381.24	1591.35
E	N/A	N/A	N/A	N/A	N/A	N/A	1346.87	5791.76
T	N/A	N/A	N/A	N/A	N/A	N/A	1331.87	1540.15

SLS

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



1183



1244



1251

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1454.94	1639.10	1525.79	1728.43	1549.39	1761.86
E	Privacy	1411.04	1593.97	1481.89	1683.30	1521.43	1737.44
T	Patio	1369.08	1541.66	1439.93	1630.98	1445.23	1640.58

Options are found on page 349.
Keying Charges are found on page 654.



1053



1088



1119



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
B	N/A	N/A	N/A	N/A	N/A	N/A	1527.38	1734.14
E	N/A	N/A	N/A	N/A	N/A	N/A	1493.01	6322.94
T	N/A	N/A	N/A	N/A	N/A	N/A	1478.01	1682.94

SLS

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



1074

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1603.03	0.00	1673.88	1879.87	1697.47	1913.29
E	Privacy	1559.13	0.00	1629.98	1834.73	1669.52	1888.87
T	Patio	1517.17	0.00	1588.02	1782.42	1593.32	1792.01

Options are found on page 349.

Keying Charges are found on page 654.



RS



RF



RJ



EC-ED

	6204	6205	6204	6205	6204	6205	6204	6205
B	N/A	N/A	N/A	N/A	N/A	N/A	1675.47	1885.58
E	N/A	N/A	N/A	N/A	N/A	N/A	1641.10	6886.28
T	N/A	N/A	N/A	N/A	N/A	N/A	1626.10	1834.38

SLS

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



RA



RD



RM

Standard Functions		RA		RD		RM	
		6204	6205	6204	6205	6204	6205
B	Dormitory	1756.03	1967.08	1826.88	2056.40	1850.47	2089.83
E	Privacy	1712.13	1921.94	1782.98	2011.27	1822.52	2065.41
T	Patio	1670.17	1869.63	1741.02	1958.96	1746.32	1968.55

Options are found on page 349.
Keying Charges are found on page 654.



1164



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	6204	6205	6204	6205	6204	6205	6204	6205
B	N/A	N/A	N/A	N/A	N/A	N/A	1828.46	2062.11
E	N/A	N/A	N/A	N/A	N/A	N/A	1794.10	7543.00
T	N/A	N/A	N/A	N/A	N/A	N/A	1779.09	2010.92

SLS

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



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1705.74	1768.42	1763.41	1816.90	1879.34	1934.65
E	Privacy	1757.65	1820.32	1815.31	1868.81	1809.14	1855.86
T	Patio	1609.12	1671.79	1666.79	1720.28	1701.04	1756.35

Options are found on page 349.
Keying Charges are found on page 654.



RS



RF



RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
B	N/A	N/A	N/A	N/A	N/A	N/A	1723.57	1782.42
E	N/A	N/A	N/A	N/A	N/A	N/A	1685.21	1744.05
T	N/A	N/A	N/A	N/A	N/A	N/A	1669.08	1727.93

SLS

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



1119

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1764.59	1827.26	1822.26	1875.75	1938.18	1993.50
E	Privacy	1816.49	1879.16	1874.16	1927.65	1867.98	1914.70
T	Patio	1667.97	1730.64	1725.63	1779.13	1759.88	1815.20

Options are found on page 349.
Keying Charges are found on page 654.



RS



RF



RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
B	N/A	N/A	N/A	N/A	N/A	N/A	1782.42	1841.27
E	N/A	N/A	N/A	N/A	N/A	N/A	1744.05	1802.90
T	N/A	N/A	N/A	N/A	N/A	N/A	1727.93	1786.77

SLS

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



1004



1016



1076



1164

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		7615	7625	7615	7625	7615	7625
B	Dormitory	1764.59	1886.11	1822.26	1934.59	1938.18	2052.34
E	Privacy	1816.49	1938.01	1874.16	1986.50	1867.98	1973.55
T	Patio	1667.97	1789.48	1725.63	1837.97	1759.88	1874.04

Options are found on page 349.
Keying Charges are found on page 654.



1102
Available in 7615 only



1134



1163



RS



RF



RJ



EC-ED

	7615	7625	7615	7625	7615	7625	7615	7625
B	N/A	N/A	N/A	N/A	N/A	N/A	1782.42	1900.11
E	N/A	N/A	N/A	N/A	N/A	N/A	1744.05	1861.74
T	N/A	N/A	N/A	N/A	N/A	N/A	1727.93	1845.62

SLS

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	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
Standard Functions							
B	Dormitory	1058.88	1150.15	1135.50	1257.37	1241.42	1457.39
E	Privacy	1015.75	1108.08	1092.37	1215.30	1199.82	1365.65
T	Patio	989.03	1073.54	1065.65	1180.75	1123.61	1261.90

Options are found on page 349.
Keying Charges are found on page 654.

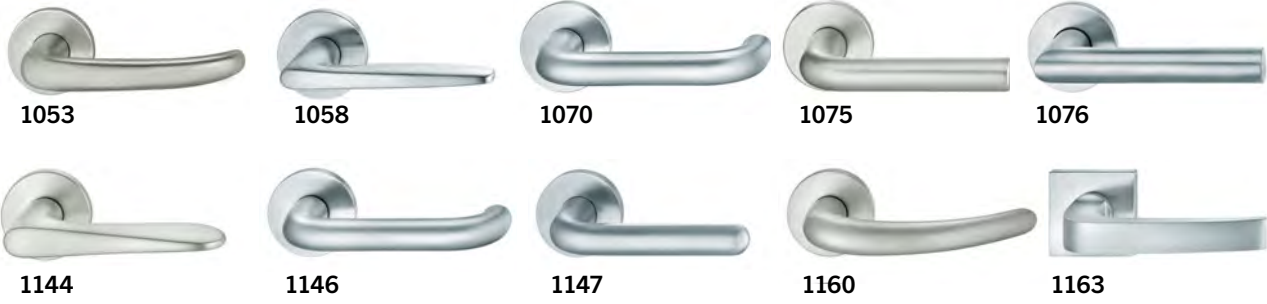
Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



RS



RF



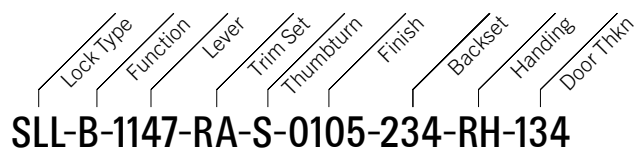
RJ



EC-ED

	RS		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	N/A	N/A	N/A	N/A	N/A	N/A	1181.69	1304.21
E	N/A	N/A	N/A	N/A	N/A	N/A	1147.33	1269.84
T	N/A	N/A	N/A	N/A	N/A	N/A	1132.74	1253.66

SLS



SLL-B-1147-RA-S-0105-234-RH-134

Example for Specifying

Elements Series - SLL

Sliding Lever Locks



1001



1003



1016



1119



1164



1177

Trim Choices



RA



RD



RM

Standard Functions		RA		RD		RM	
		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	Dormitory	1117.73	1232.54	1194.35	1339.75	1300.27	1539.77
E	Privacy	1074.60	1190.46	1151.21	1297.68	1258.66	1448.03
T	Patio	1047.88	1155.92	1124.50	1263.14	1182.46	1344.28

Options are found on page 349.
Keying Charges are found on page 654.

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1031



1088



1106



1178



1241



1271



RS



RF



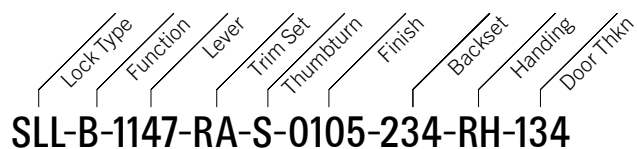
RJ



EC-ED

	RS		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	N/A	N/A	N/A	N/A	N/A	N/A	1240.54	1386.59
E	N/A	N/A	N/A	N/A	N/A	N/A	1206.17	1352.23
T	N/A	N/A	N/A	N/A	N/A	N/A	1191.58	1336.05

SLS



SLL-B-1147-RA-S-0105-234-RH-134

Example for Specifying

Elements Series - SLL

Sliding Lever Locks



1002



1004



1074



1244



1251



1267

Trim Choices



RA



RD



RM

		RA		RD		RM	
Standard Functions		0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	Dormitory	1176.57	1267.84	1253.19	1375.06	1359.11	1575.08
E	Privacy	1133.44	1225.77	1210.06	1332.99	1317.51	1483.34
T	Patio	1106.73	1191.23	1183.34	1298.44	1241.30	1379.59

Options are found on page 349.
Keying Charges are found on page 654.

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1102
Available in 0105 finish only



1134



1183



RS



RF



RJ



EC-ED

	RS		RF		RJ		EC-ED	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
B	N/A	N/A	N/A	N/A	N/A	N/A	1299.39	1421.90
E	N/A	N/A	N/A	N/A	N/A	N/A	1265.02	1387.54
T	N/A	N/A	N/A	N/A	N/A	N/A	1250.43	1371.35

SLS

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 3/4" door thickness.
- RF Trim is only available with the crescent thumbturn.



RF

Sliding Door Lock Options

Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	12.59
Single Side Application	1S - Active Lever with through-bolted trim plate one side	No Charge	N/C
Special Door Thickness	2" to 2 1/4" Thick Doors	Add	54.94
	2 1/2" to 3" Thick Doors	Add	139.65
	3 1/8" to 3 3/8" Thick Doors	Add	209.48
	3 1/2" to 3 3/4" Thick Doors	Add	238.09
Backsets	2 1/2" Backset	Add	44.64
	3 3/4" Backset	Add	1050.81
	5" Backset	Add	1438.86
	6" Backset	Add	1797.14

Thumbturn and Release Options



Standard



ADA



Emergency Release



Emergency with Indicator

Options	Descriptions		Price
Thumbturns	"D" Thumbturn (ADA TT) All Stainless Finishes	Add	143.08
	"D" Thumbturn (ADA TT) All Aluminum Finishes	Add	67.54



TLS



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 1/2" 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



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)
- **0205** Champagne Silver Color

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

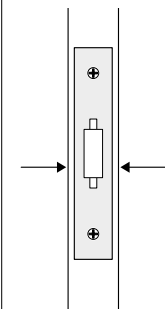
- 134** 1 ¾"

Locking functions with SB Trim available for 1 ¾" wood doors only. Except Y & YP Dummy sets

Special Order

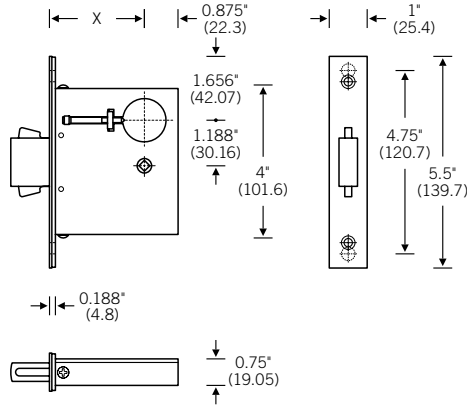
- 200** 2"
- 214** 2 ¼"

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.

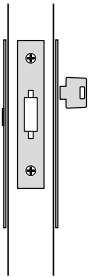
Lock body only: SDL 7001

Function P

Key x Thumbturn
Deadlock

Description

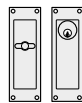
Deadbolt by key outside and thumbturn inside.



SA

Trim Sets

SA



Sliding Door Lock

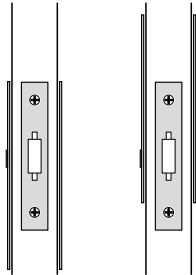
Series SDL Functions

Function R

Thumbturn Deadlock

Description

Deadbolt by thumbturn inside.
No operation outside.



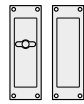
SA

SB

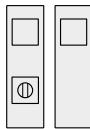
* **SB** Trim available for
1 3/4" wood doors only.

Trim Sets

SA



SB*

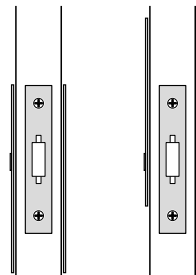


Function S

Thumbturn Deadlock with Emergency Release

Description

Deadbolt by thumbturn inside and
emergency release outside.



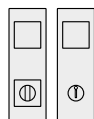
SA

SB

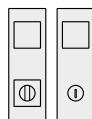
* **SB** Trim available for
1 3/4" wood doors only.

Trim Sets

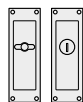
SB-I



SB-N



SA-N



Options

SA



N

SB



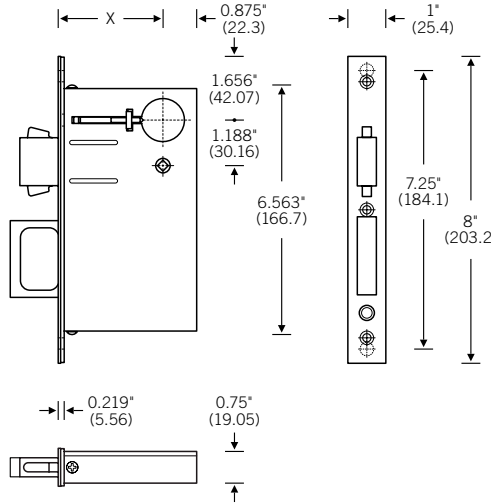
N



I

Standard Pocket Lock

Series SPL Functions



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.

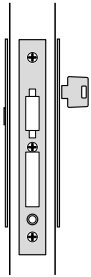
Lock body only: SPL 7002

Sliding Door Locks

Function P

Key x Thumbturn
Deadlock

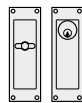
Description
Deadbolt by key outside and thumbturn inside.



SA

Trim Sets

SA



Standard Pocket Lock

Series SPL Functions

Function R

Thumbturn Deadlock

Description

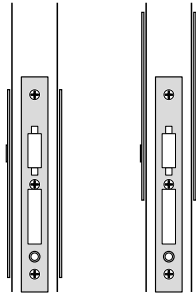
Deadbolt by thumbturn inside.
No operation outside.

* **SB** Trim available for 1 3/4" wood doors only.

Trim Sets

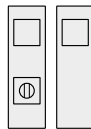
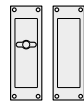
SA

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

Options

SA



N

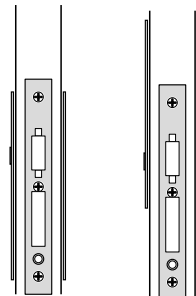
SB



N

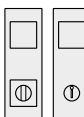


I

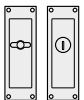


SA

SB

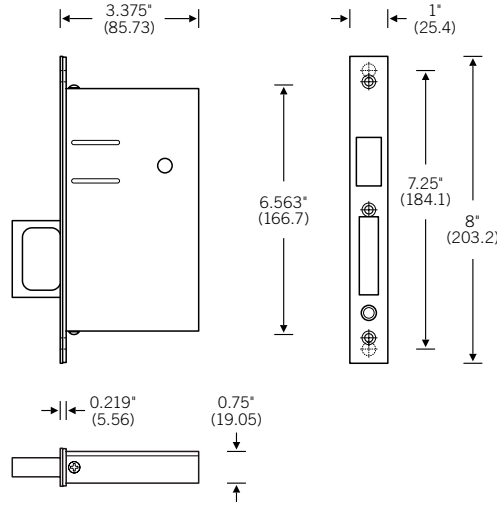


SA-N



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.

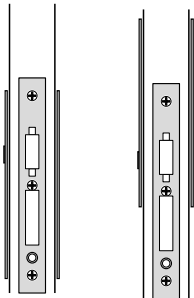
Sliding Door Locks

Function AS

Dummy prepared as Strike/Pull

Description

Dummy handle either side.
Lock case front includes strike and pull.



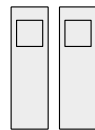
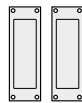
SA

SB

Trim Sets

SA

SB



Standard Pocket Lock

Series SPL Functions

Function Y

Double Dummy

Description

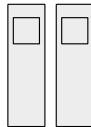
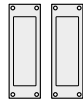
Dummy handle either side.



Trim Sets

SA

SB

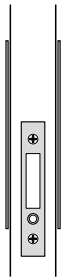
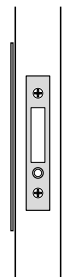


Function YP

Dummy with Pull

Description

Dummy handle either side.
Lock case with pull.



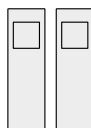
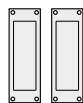
SA

SB

Trim Sets

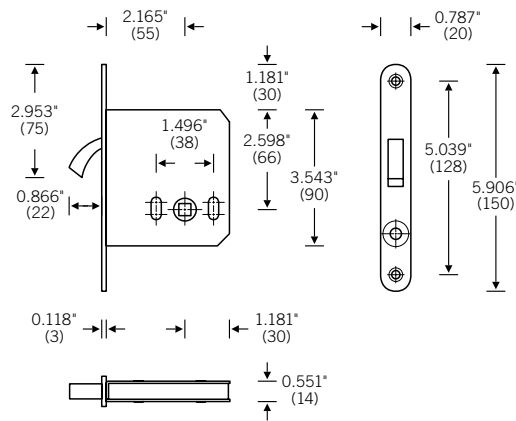
SA

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.

Function S

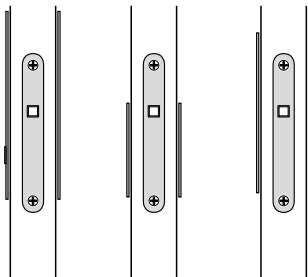
Thumbturn Deadlock with Emergency Release

Description

Deadbolt by thumbturn inside and emergency release outside.

Options

SB



SB

FC/FS

FR

Trim Sets

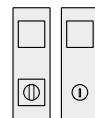
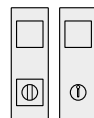
SB-I

SB-N

FC-N

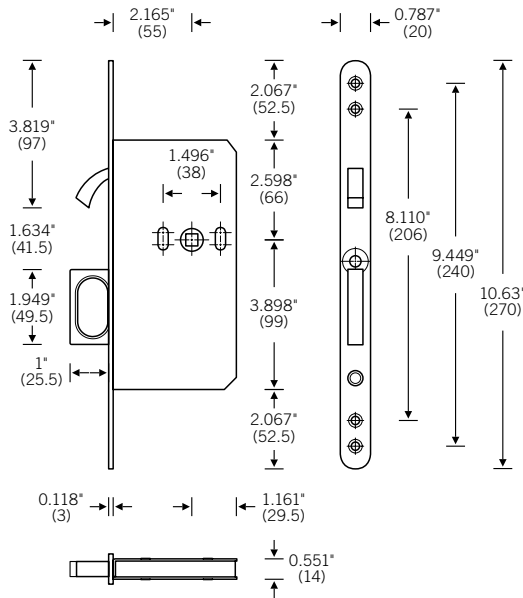
FR-N

FS-N



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

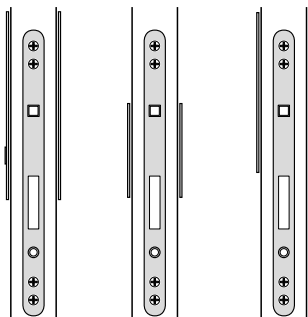
**Thumbturn Deadlock with
Emergency Release**

Description

Deadbolt by thumbturn inside and emergency release outside.

Options

SB



SB

FC/FS

FR

Trim Sets

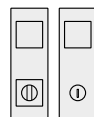
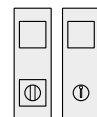
SB-I

SB-N

FC-N

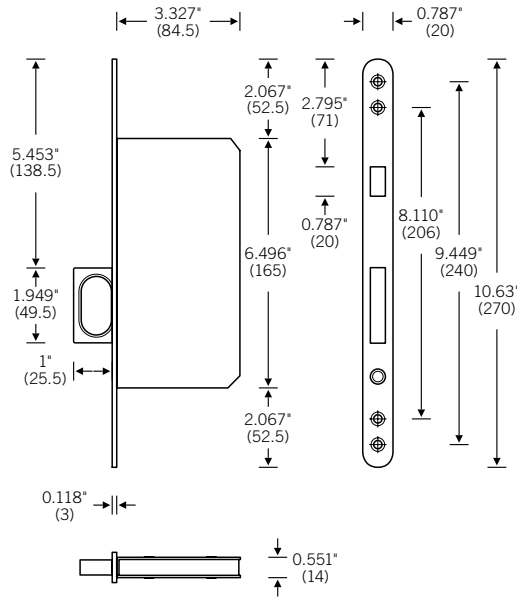
FR-N

FS-N



European Sliding Lock

Series EPL Functions



EPL AS

Strike Box for ESL and EPL

As standard, the finger pull and button is always supplied in satin stainless finish.

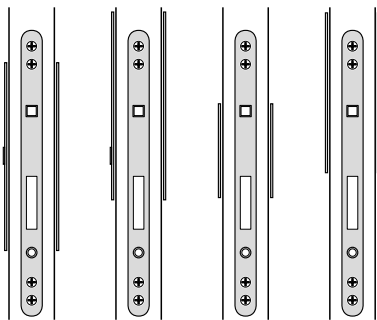
Sliding Door Locks

Function AS

Dummy prepared as Strike/Pull

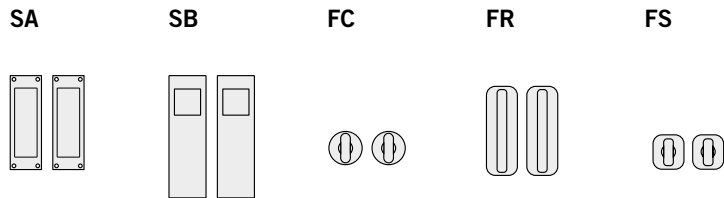
Description

Dummy handle either side.
Lock case front includes strike and pull.



SA SB FC/FS FR

Trim Sets

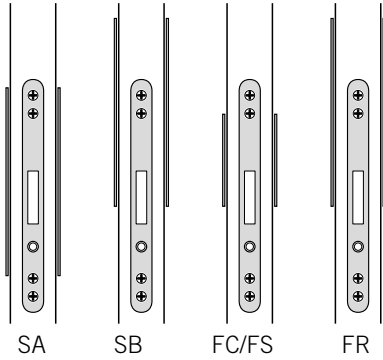


European Sliding Lock

Series EPL Functions

Function YP

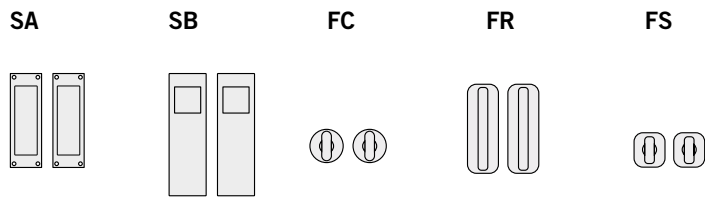
Dummy with Pull



Description

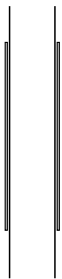
Dummy handle either side.
Lock case with pull.

Trim Sets



Function Y

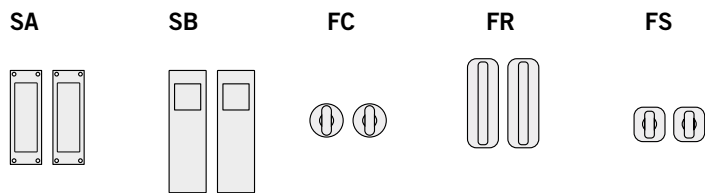
Double Dummy



Description

Dummy handle either side.

Trim Sets

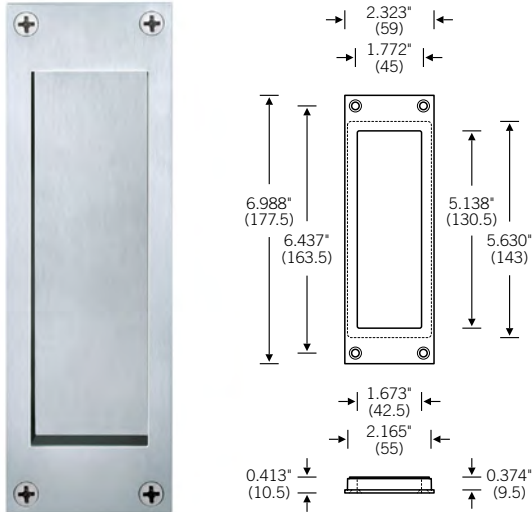


Trim Set SA Flush Pull

Sliding Door Locks (SDL, SPL, ESL and EPL)

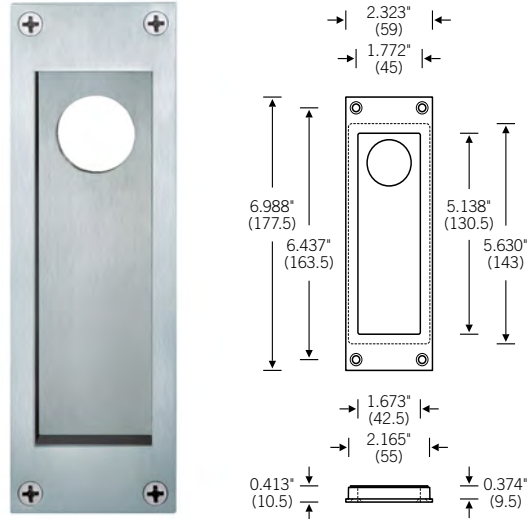
SA

42 4210 09000 ■■■
7" (177.5 mm)



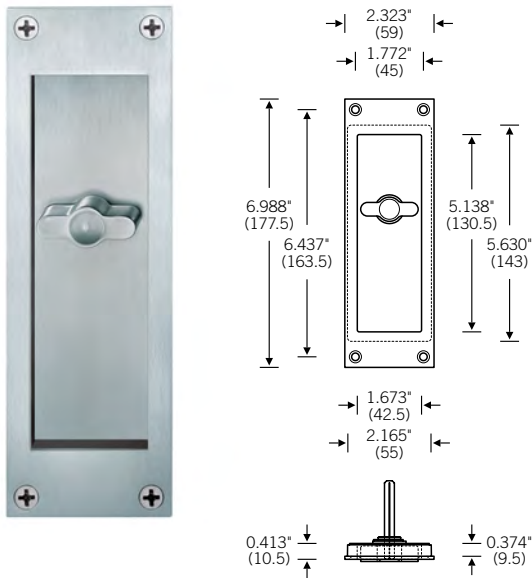
Cylinder Hole

42 4210 09001 ■■■
Cylinder must be ordered separately



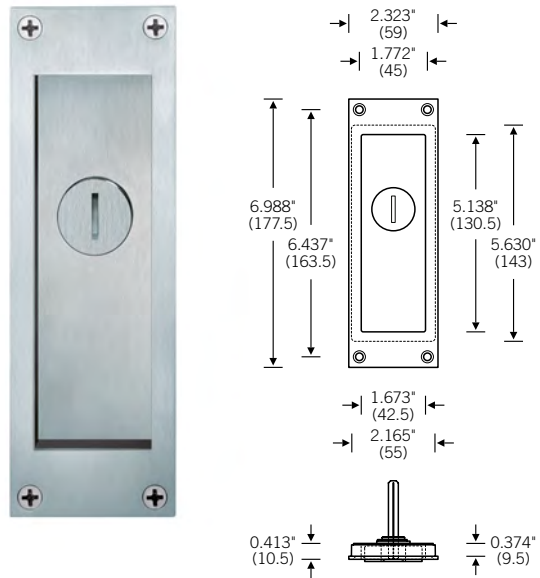
Thumbturn

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



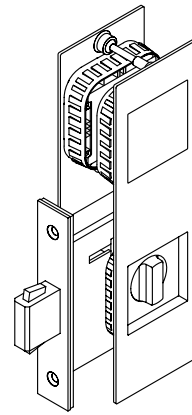
N I

Trim Set SB Privacy Set for Sliding Door Locks (SDL and SPL)

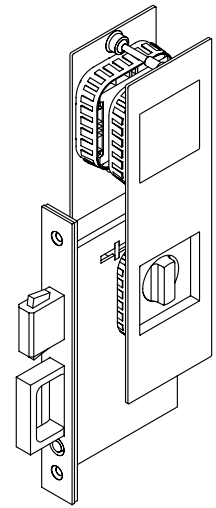
Privacy Set

42 4255 ■

as Set with 5 mm Square Spindle



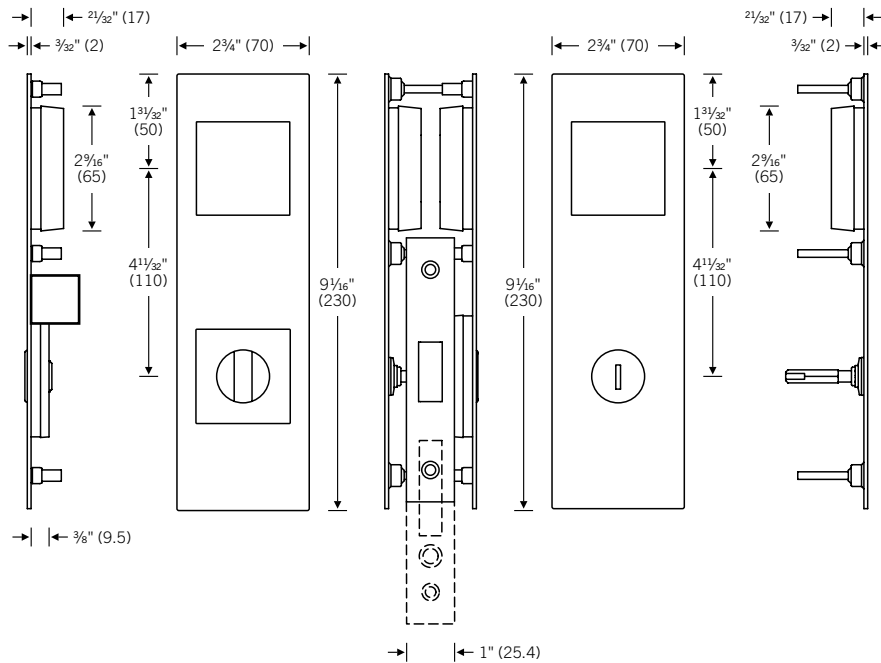
Set with SDL 7001



Set with SPL 7002



N I



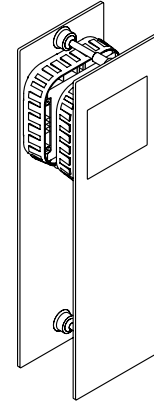
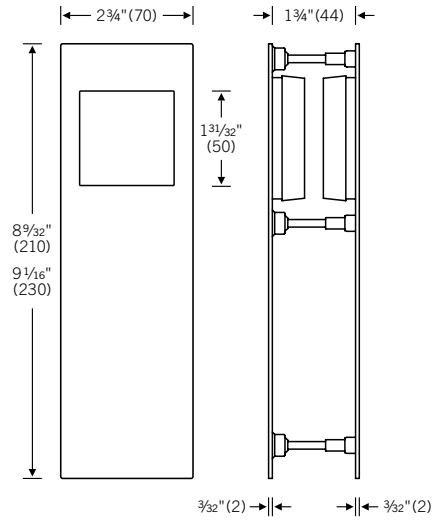
**SB Trim for $1\frac{3}{4}''$ wood doors only.
SB Trim cannot be purchased independently
from Lock. Trim number for reference only.**

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)



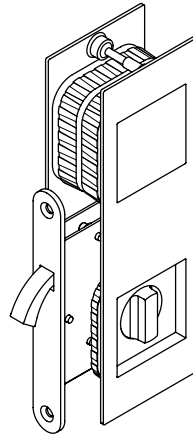
SB Trim for $1\frac{3}{4}"$ wood doors only. SDL & SPL series

Trim Set SB Privacy Set for Sliding Door Locks (ESL and EPL)

Privacy Set

42 4255

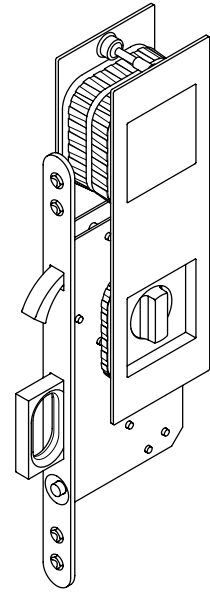
as Set with 8 mm Square Spindle



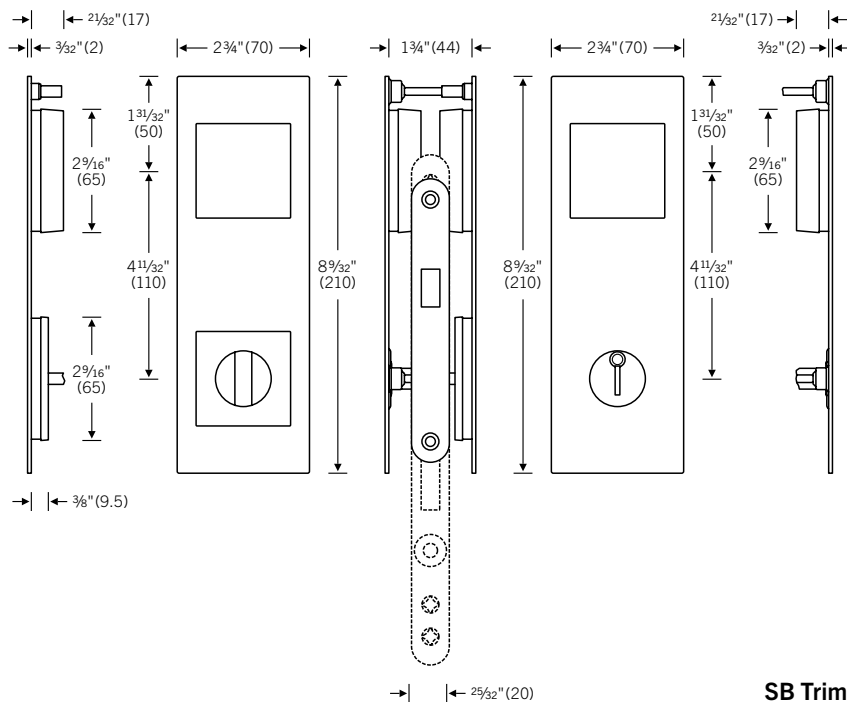
Set with ESL 7001



N I



Set with EPL 7002



**SB Trim for $1\frac{3}{4}''$ wood doors only.
SB trim cannot be purchased independently
from Lock. Trim number for reference only.**

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

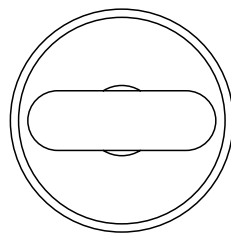
Fittings feature a self-explanatory mode of operation that's unique to the market whereby the gripping device doubles up as a means of locking/unlocking whilst also allowing the door to be slid along more ergonomically. Locking or unlocking the door is performed by rotating the movable grip. In the vertical 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

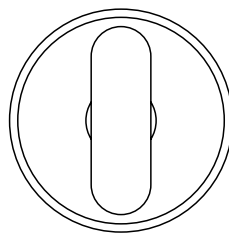
These sliding door handles are very straight-forward to fit. The applicable routing jig can be ordered separately from FSB. The handle shells are then fastening by simply clipping them into the recess routed out – without the need for any drilling or gluing.

New door pulls in Aluminum

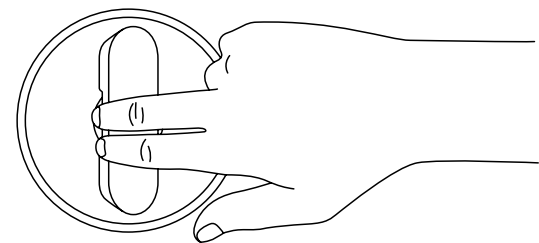
Matching the formal vocabulary of the gripping devices on our new sliding door handles are three new door pulls that extend their perfect presence to glass and external doors. Here, too, less is more and purism a symbol of modern-day luxury. There is a choice of linear, symmetrical and asymmetrical models, 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








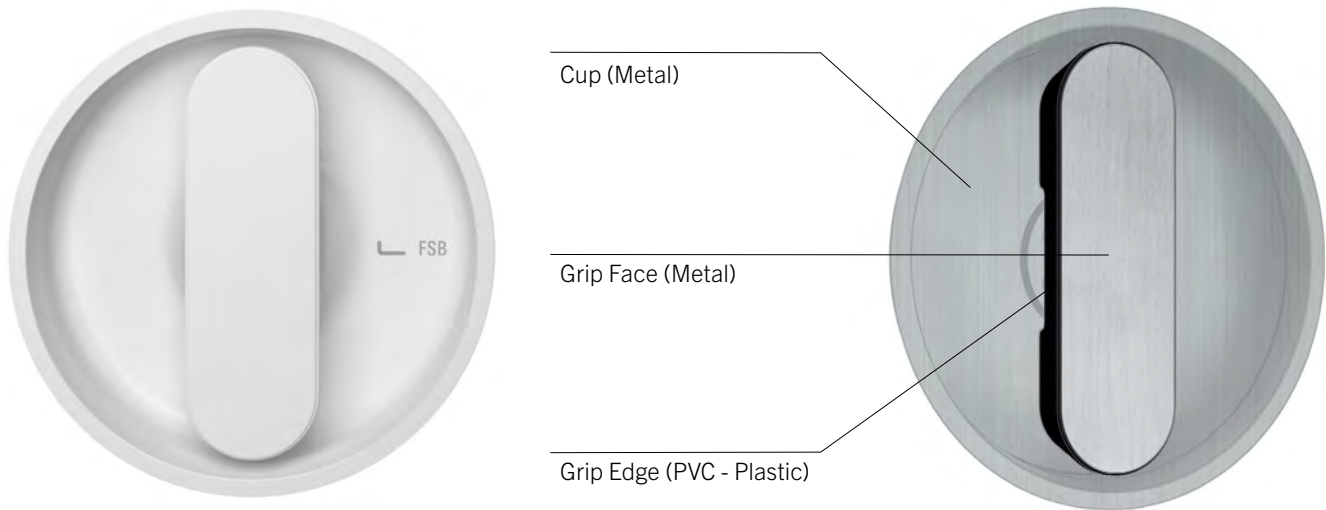
Unlocked



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 



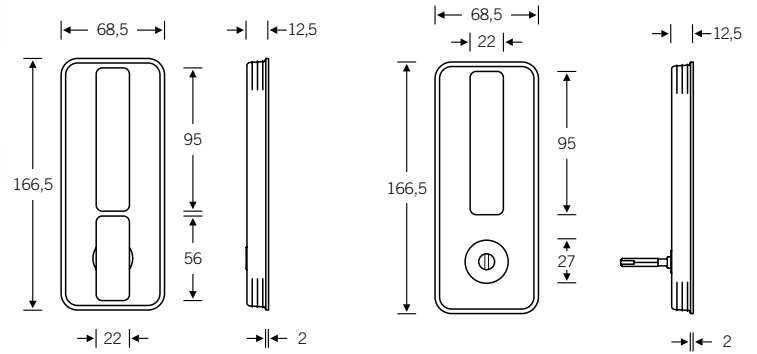
00008 (lockable)

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

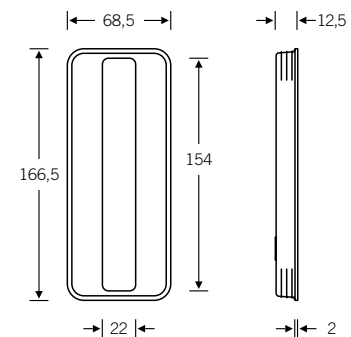
42 4260 



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

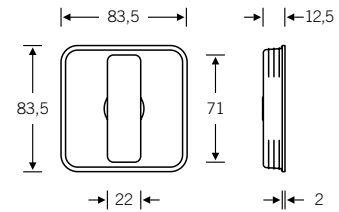
FS
42 4263 




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



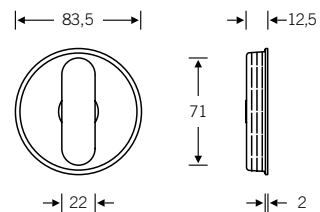
FC
42 4264 



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	965.64	1104.66
R	Deadbolt - Thumbturn	886.84	997.34
S	Deadbolt - Turn Release without Indicator	946.28	1092.02
		0105	All Other Aluminum
P	Deadbolt - Key x Thumbturn	910.53	1139.17
R	Deadbolt - Thumbturn	894.79	1057.26
S	Deadbolt - Turn Release without Indicator	845.37	960.83



Functions	Function Description	SB Trim	
		6204	6205
R	Deadbolt - Thumbturn	949.63	1096.37
S	Deadbolt - Turn Release	949.63	1096.37

Options are found on page 382.

Anodized Aluminum

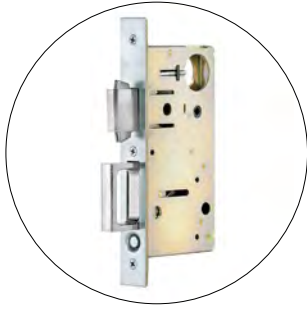
- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

SPL Series

Sliding Door Lock



Functions	Function Description	SA Trim	
		6204	6205
P	Deadbolt - Key x Thumbturn	1008.72	1147.74
R	Deadbolt - Thumbturn	929.93	1040.43
S	Deadbolt - Turn Release without Indicator	989.36	1135.11
AS	Prepared as Strike	816.01	875.79
Y	Double Dummy	315.29	375.08
YP	Double Dummy w/Pull	749.02	808.80

Functions	Function Description	0105	All Other Aluminum
		P	Deadbolt - Key x Thumbturn
R	Deadbolt - Thumbturn	937.87	1100.34
S	Deadbolt - Turn Release without Indicator	888.46	1003.92
AS	Prepared as Strike	816.01	933.93
Y	Double Dummy	315.29	433.22
YP	Double Dummy w/Pull	749.02	866.94

Note: Y Function comes with SB trim only and no lock body as it is a dummy.

Functions	Function Description	SB Trim	
		6204	6205
R	Deadbolt - Thumbturn	992.71	1139.45
S	Deadbolt - Turn Release with or without Indicator	992.71	1139.45
AS	Prepared as Strike	728.80	791.64
Y	Double Dummy	203.65	259.76
YP	Double Dummy w/Pull	661.81	724.65

Note: Y Function comes with SB trim only and no lock body as it is a dummy.

Options are found on page 382.

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
		0105	All Other Aluminum
S	Deadbolt - Turn Release with Indicator	N/A	N/A

		SB Trim	
		6204	6205
S	Deadbolt - Turn Release with or without Indicator	752.94	946.07

Options are found on page 382.

Anodized Aluminum

- 0105 0510
- 0205 0710
- 0410 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

ESL Series

European Sliding Door Lock



Functions		Function Description	FC Trim
			All Finishes
S		Deadbolt - Turn Release without Indicator	491.74



Functions		Function Description	FR Trim
			All Finishes
S		Deadbolt - Turn Release without Indicator	548.95



Functions		Function Description	FS Trim
			All Finishes
S		Deadbolt - Turn Release without Indicator	491.74

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	654.84	766.47
AS	Prepared as Strike	389.64	449.43
Y	Double Dummy	281.51	334.89
YP	Double Dummy w/Pull	401.41	461.19
		0105	All Other Aluminum
S	Deadbolt - Turn Release without Indicator	564.23	635.66
AS	Prepared as Strike	355.86	507.57
Y	Double Dummy	281.51	386.80
YP	Double Dummy w/Pull	367.63	519.33



Functions	Function Description	SB Trim	
		6204	6205
S	Deadbolt - Turn Release with or without Indicator	828.44	946.07
AS	Prepared as Strike	558.53	738.40
Y	Double Dummy	432.30	561.71
YP	Double Dummy w/Pull	570.29	715.23

Note: Y Function comes with SB trim only and no lock body as it is a dummy.

Options are found on page 382.

EPL Series

European Sliding Pocket Door Lock



Functions		Function Description	FC Trim
			All Finishes
S		Deadbolt - Turn x Release	567.24
AS		Prepared as Strike	423.30
Y		Double Dummy	311.57
YP		Double Dummy w/Pull	435.07



			FR Trim
			All Finishes
S		Deadbolt - Turn x Release	624.45
AS		Prepared as Strike	459.72
Y		Double Dummy	385.38
YP		Double Dummy w/Pull	471.49



			FS Trim
			All Finishes
S		Deadbolt - Turn x Release	567.24
AS		Prepared as Strike	423.30
Y		Double Dummy	311.57
YP		Double Dummy w/Pull	435.07

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	54.94
		2 1/2" to 3" Thick Doors	Add	139.65
	SA - "R & S" Functions	2" to 3" Thick Doors	Add	14.88
Backsets	2 1/2" Backset		Add	44.64
	3 3/4" Backset		Add	1050.81
	5" Backset		Add	1438.86
	6" Backset		Add	1797.14

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 All functions	2" to 3" Thick Doors	Add	14.88



Overview

- Stainless Steel
- Bronze
- Aluminum

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42 4255 ■
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42 4256 ■ ■
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AGD ■
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Sliding Hardware

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42 4264 ■ ■
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42 4299 ■
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SPP 7000
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EPP 7000
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Flush Pulls for Passage Doors

42 4250 

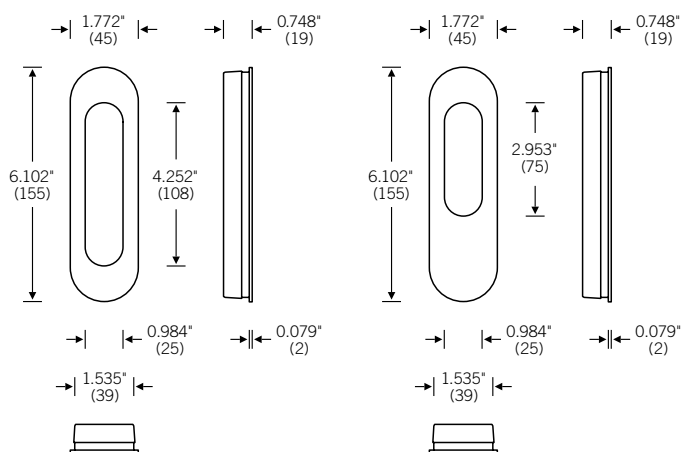
Flush Pulls

- 42 4250 00000  (open)
- 42 4250 00001  (spring loaded cover)
- 42 4250 00002  (half open)


Recess 150 × R 20 × 17.5 mm
1 3/4" or greater door thickness required.






Sliding Hardware



Flush Pulls for Passage Doors

42 4251 

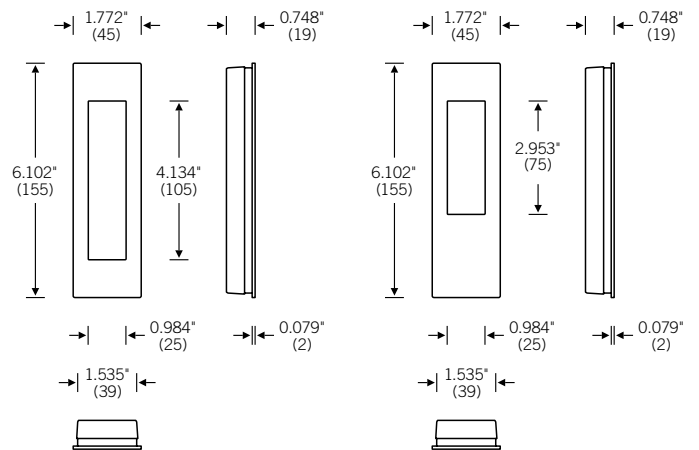
Flush Pulls

- 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.



Sliding Hardware



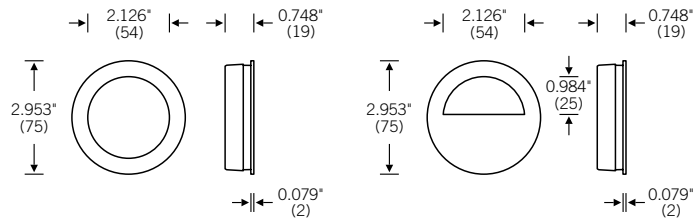
Flush Pulls for Passage Doors

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.

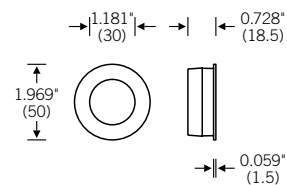


42 4254


Flush Pulls

- 42 4254 00000 (open)
- 42 4254 00001 (spring loaded cover)

Recess 45 × 17.5 mm
1 ¾" or greater door thickness required.



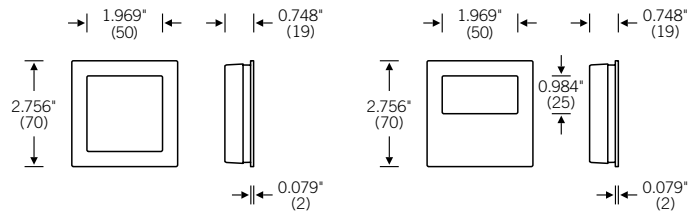
Flush Pulls for Passage Doors

42 4253 


Flush Pulls

- 42 4253 00000 (open)
- 42 4253 00001 (spring loaded cover)
- 42 4253 00002 (half open)

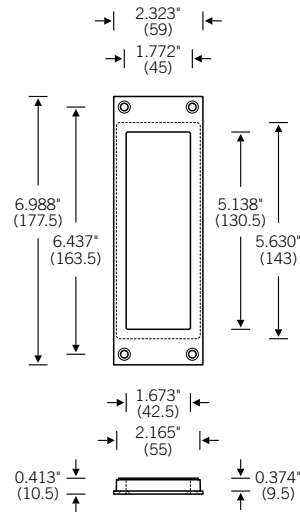
Recess 65 × 65 × 17.5 mm
 Corner radius R 15
 1 3/4" or greater door thickness required.






Flush Pull Sets for Passage Doors

42 4210 
7" (177.5 mm)

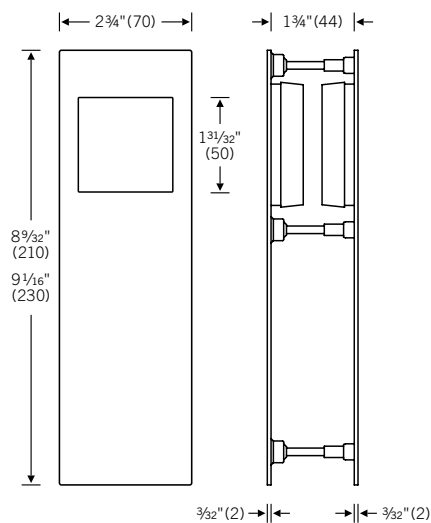
Flush Pulls
42 4210 09000



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 Glass Doors



13 4256 ■ ■

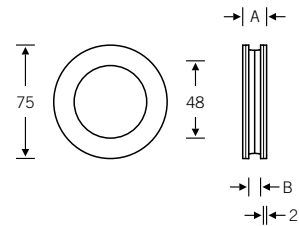
Items number	B	A
13 4256 00100	8 mm	16 mm
13 4256 00200	10 mm	18 mm
13 4256 00300	12 mm	20 mm

Glass thickness = B, total thickness = A

Open version

Pair, for inner and outer side
glass cut-out Ø 70 mm

Mounted without adhesive, screwed in pair
with through fixing using 3.9 mm counter-
sunk screws, included in delivery



13 4256 ■ ■

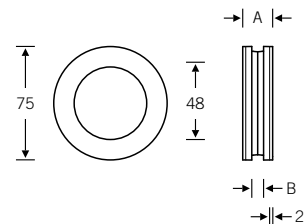
Items number	B	A
13 4256 00101	8 mm	20 mm
13 4256 00201	10 mm	22 mm
13 4256 00301	12 mm	24 mm

Glass thickness = B, total thickness = A

Closed version

Pair, for inner and outer side
glass cut-out Ø 70 mm

Mounted without adhesive, screwed
congruently in pairs using 3.9 mm
countersunk screws, included in delivery



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

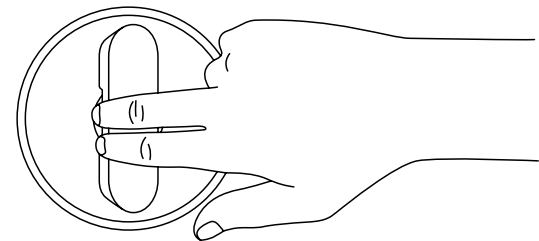
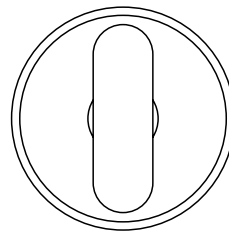
Our new sliding door handles comprise a shell recessed into the face of the door, a movable or fixed gripping device and a recessed faceplate at the front of the handle. The three components can be assembled in a variety of material and color combinations, allowing fittings to be coordinated with any 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

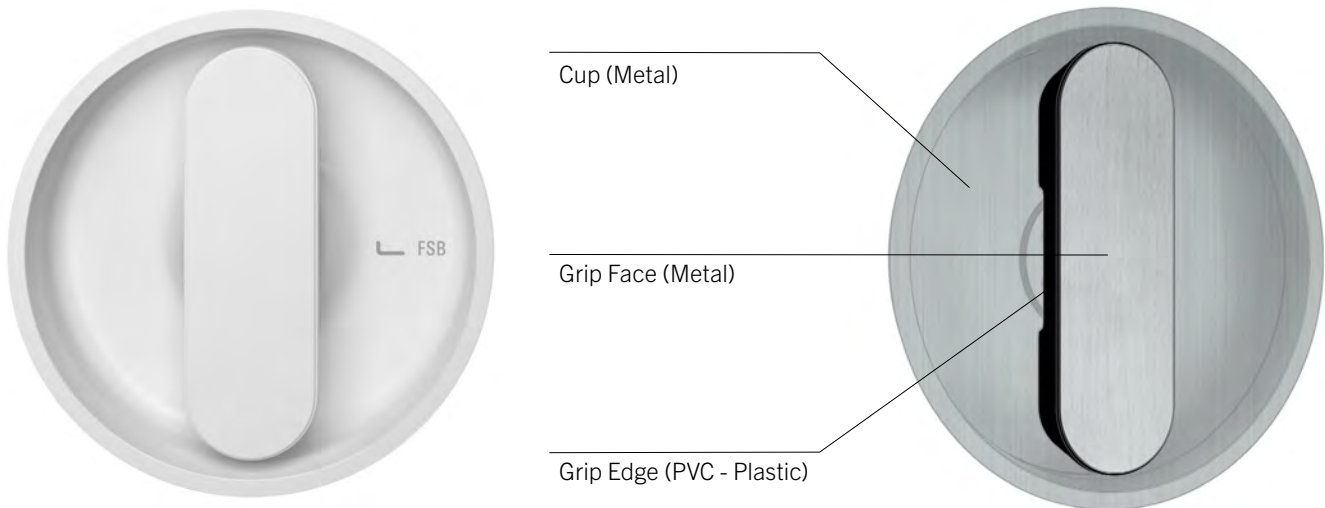
Matching the formal vocabulary of the gripping devices on our new sliding door handles are three new door pulls that extend their perfect presence to glass and external doors. Here, too, less is more and purism a symbol of modern-day luxury. There is a choice of linear, symmetrical and asymmetrical models, all in 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.



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



Flush Pulls for Passage Doors

FR

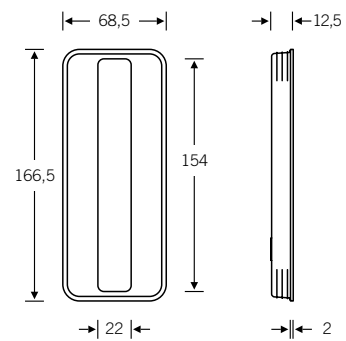
42 4260 




00000 (non-lockable)

Fixed grip section, tilts in both directions,
for single and double sliding doors

Area routed out: 163 × 65 mm



Flush Pulls for Passage Doors

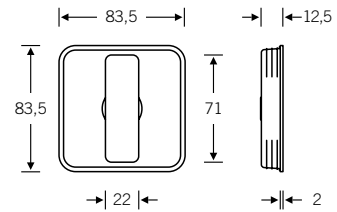
FS
42 4263 




00000 (non-lockable)
Fixed grip section, tilts in both directions,
for single and double sliding doors

01008 (lockable)
Turnable grip section, tilts in both direc-
tions, for single and double sliding doors
(the latter in combination with 4263
00000), for bolt lock

Area routed out: 80 × 80 mm



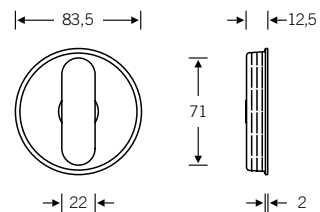
FC
42 4264 




00000 (non-lockable)
Fixed grip section, tilts in both directions,
for single and double sliding doors

01008 (lockable)
Turnable grip section, tilts in both direc-
tions, for single and double sliding doors
(the latter in combination with 4264
00000), for bolt lock

Area routed out: 80 mm Ø

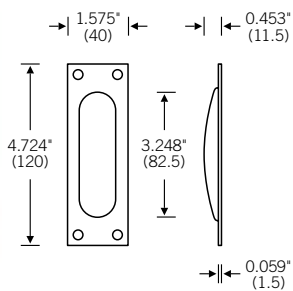



Flush Pulls for Passage Doors

42 4211 

Flush Pull

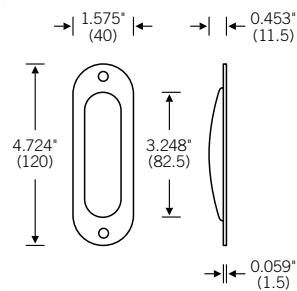
Recess $3\frac{7}{16} \times 1\frac{1}{32} \times \frac{13}{32}$ " (87 × 28 × 10 mm)
Boreholes for 3.0 mm countersunk screws



42 4212 

Flush Pull

Recess $3\frac{7}{16} \times 1\frac{3}{32} \times \frac{13}{32}$ " (87 × 28 × 10 mm)
Boreholes for 3.0 mm countersunk screws



Edge Pulls for Passage Doors

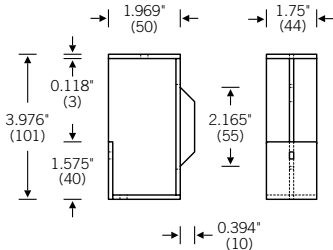


42 4299 ■*

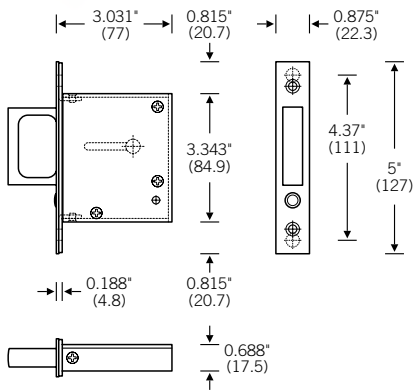
* Available in 6204
Satin Stainless Only

42 4299 00025
1 3/4" (45 mm) Door Thickness
For Wood Doors

Square Corners



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

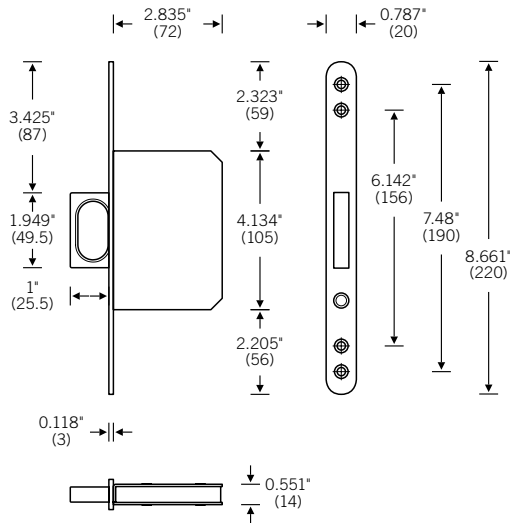
4.13" × 2.95" × 0.55"
(105 × 75 × 14 mm)
Case not enclosed.
0.057" (1.45 mm) thick, steel.

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 ■

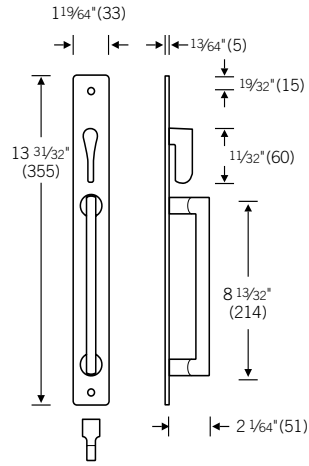
Trim for Andersen® Gliding Door
Set Includes Interior Trim w/ Pull & Turn,
and Exterior Dummy Trim w/ Pull



Andersen® Gliding Door Trim Sets

AGD 1251 00000 ■

Trim for Andersen® Gliding Door Set Includes Interior Trim w/ Pull & Turn, and Exterior Dummy Trim w/ Pull



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, or 1251



Design continuity when paired with levers 1035, 1076, and 1251



Sliding Door Hardware

Sliding Hardware

	Number	Description	Stainless Steel		Aluminum		Unit		
			6204	6205	0105	All Other Alum.			
Flush Pulls	42	4211 00000	FP w/o keyhole	61.59	76.08	39.85	51.93	Each	
	42	4211 00002	FP with PZ Cut-Out	73.67	90.57	43.47	56.76	Each	
	42	4212 00000	FP w/o keyhole	61.59	76.08	39.85	51.93	Each	
	42	4212 00002	FP with PZ Cut-Out	73.67	90.57	43.47	56.76	Each	
	42	4250 00000	Oval Flush Pull	108.69	132.84	108.69	143.71	Each	
	42	4250 00001	Oval FP w/cover	183.56	224.62	183.56	242.73	Each	
	42	4250 00002	Oval FP, 1/2 open	183.56	224.62	183.56	242.73	Each	
	42	4251 00000	Angular Flush Pull	108.69	132.84	108.69	143.71	Each	
	42	4251 00001	Angular FP w/cover	183.56	224.62	183.56	242.73	Each	
	42	4251 00002	Angular FP 1/2 open	183.56	224.62	183.56	242.73	Each	
	42	4252 00000	Circular FP	97.82	119.56	97.82	129.22	Each	
	42	4252 00001	Circular FP w/cover	149.75	183.56	149.75	199.26	Each	
	42	4252 00002	Circular FP 1/2 open	149.75	183.56	149.75	199.26	Each	
	42	4253 00000	Square FP	97.82	119.56	97.82	129.22	Each	
	42	4253 00001	Square FP w/cover	149.75	183.56	162.47	199.26	Each	
	42	4260 00000	FR Passage Pull	218.29	-	218.29	218.29	Each	
	42	4263 00000	FS Passage Pull	197.70	-	197.70	197.70	Each	
	42	4264 00000	FC Passage Pull	197.70	-	197.70	197.70	Each	
	Flush Pull for Locking Doors	42	4253 00002	Square FP 1/2 open	149.75	183.56	149.75	199.26	Each
		42	4254 00000	Small FP	90.57	111.10	90.57	119.56	Each
42		4254 00001	Small FP w/cover	126.80	155.78	126.80	169.07	Each	
42		4210 09000	Passage	144.92	177.52	144.92	192.01	Each	
Edge Pull	42	4210 09001	With Cylinder Hole	160.62	196.84	160.62	212.54	Each	
	42	4210 09002	With Thumbturn	252.40	309.15	252.40	334.51	Each	
	42	4210 09003	Ind/Rel (5 mm Spindle)	660.57	807.91	660.57	875.53	Set	
Edge Pull		SPP 7000	Push Button SPP	463.59	566.61	-	-	Each	
		EPP 7000	Push Button EPP	138.51	169.41	-	-	Each	
	42	4299 00025	S Edge 1 3/4" DT	310.21	-	-	-	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	239.24	293.04	Each
	42	4251 00000	Angular FP	239.24	293.04	Each

	Number	Description	Stainless Steel	Unit
			6204	
Andersen® Gliding Door Sets	AGD 1035 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1035	1165.00	Set
	AGD 1035 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1035	1115.00	Set
	AGD 1076 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1076	1050.00	Set
	AGD 1076 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1076	1000.00	Set
	AGD 1251 00000	Interior Pull & Turn x Exterior Dummy Pull - Style 1251	1300.00	Set
	AGD 1251 00001	Interior Dummy Pull x Exterior Dummy Pull - Style 1251	1250.00	Set





Multi-Point

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	<p>C</p> <p>Insert your choice of function using one of the letter codes below</p> <p>C Passage H Entrance T Patio</p>	<p>1003</p> <p>Insert your choice of lever design using one of the four digit codes.</p> <p>Premium/Elements</p> <table border="0"> <tr><td></td><td>1102</td></tr> <tr><td>1001*</td><td>1106</td></tr> <tr><td>1002*</td><td>1107</td></tr> <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>1160</td></tr> <tr><td>1025</td><td>1163</td></tr> <tr><td>1031</td><td>1164</td></tr> <tr><td>1035</td><td>1176</td></tr> <tr><td>1045</td><td>1177</td></tr> <tr><td>1051*</td><td>1178</td></tr> <tr><td>1053</td><td>1183</td></tr> <tr><td>1058</td><td>1241*</td></tr> <tr><td>1070</td><td>1242</td></tr> <tr><td>1074</td><td>1244</td></tr> <tr><td>1075</td><td>1251</td></tr> <tr><td>1076</td><td>1271</td></tr> <tr><td>1078</td><td>1267</td></tr> <tr><td>1080</td><td>1285*</td></tr> <tr><td>1088</td><td>1289*</td></tr> <tr><td>1093</td><td></td></tr> </table> <p>* Elements Only</p>		1102	1001*	1106	1002*	1107	1003	1108	1004	1119	1005	1134	1015	1144	1016	1146	1021	1147	1023	1160	1025	1163	1031	1164	1035	1176	1045	1177	1051*	1178	1053	1183	1058	1241*	1070	1242	1074	1244	1075	1251	1076	1271	1078	1267	1080	1285*	1088	1289*	1093		<p>ED</p> <p>Insert your choice of escutcheon using one of the two letter codes.</p> <p>ED Long Rectangular</p> <p>Only the ED Escutcheon is available with the NMP trim set. Supplied with standard thumbturn.</p>
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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
- MV** Marvin® Ultimate Swing Door*
- WS** Weather Shield® Swing Door*

- Andersen® Featuring FSB Hardware is available through Andersen®

Door Manufacturer

ST

Insert your choice of Standard or Specific Door Manufacturer.

- ST** Standard EMP
- IN** Integrity® Swing Door*

* Stainless Steel Only

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

Anodized Aluminum

- **0105** Natural Color (628)
- **0205** Champagne Silver Color

Textured Anodized Aluminum

- **0410** Bronze Color
- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)

Door Thickness

134

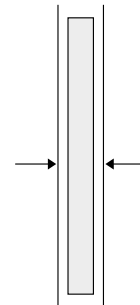
Multi-point trim sets are supplied standard for 1 3/4" door thickness.

Standard

- 134** 1 3/4"
- 214** 2 1/4"

Special Order

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



Multi-Point

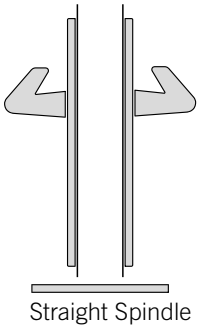
All details subject to modification

Standard North American Multi-Point Kits

North American Multi-Point (NMP)

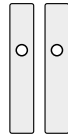
Function C

Passage

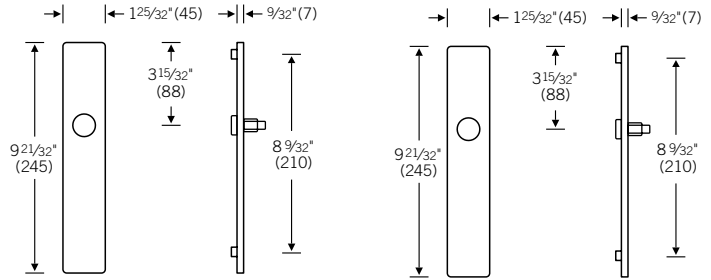


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED

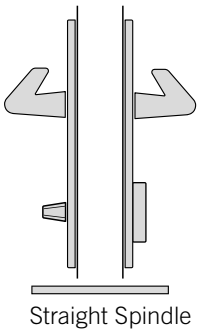


Concealed Fasteners



Function H

Entrance

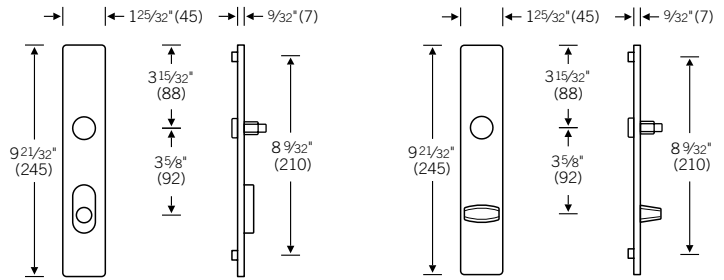


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Cylinder / Thumbturn
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED

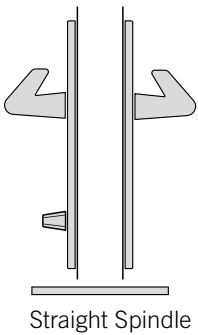


Concealed Fasteners



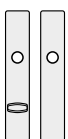
Function T

Patio

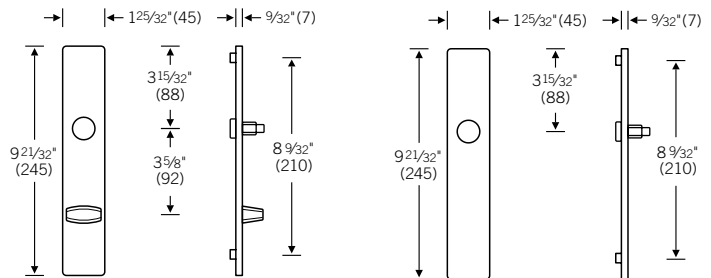


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Thumbturn
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED



Concealed Fasteners

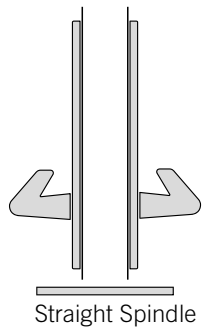


Laser Cut Multi-Point Kits for Marvin® Ultimate Swing Door

North American Multi-Point (NMP)

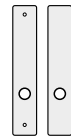
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Passage

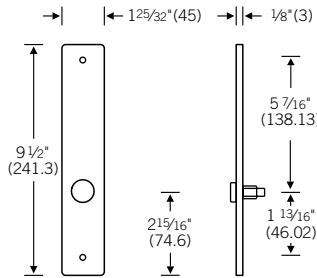


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws

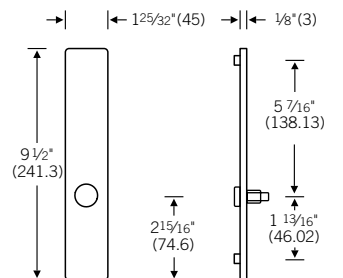
Lever on Bottom
ED



Exposed Interior Fasteners

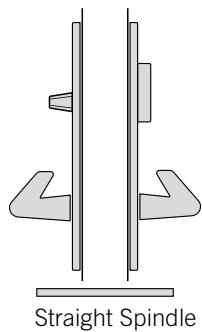


Concealed Exterior Fasteners



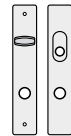
Function H

Entrance

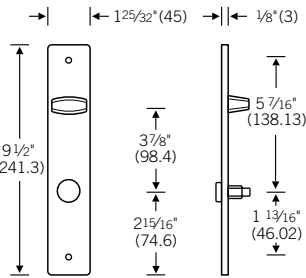


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Cylinder / Thumbturn
 1 Spindle
 2 Screws

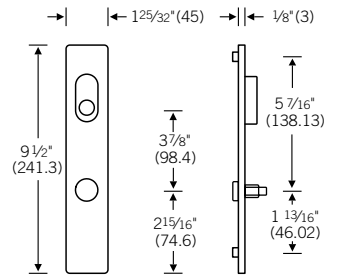
Lever on Bottom
ED



Exposed Interior Fasteners

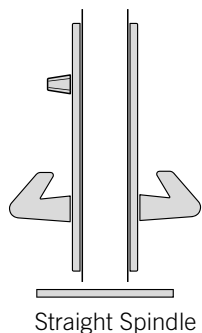


Concealed Exterior Fasteners



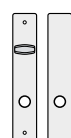
Function T

Patio

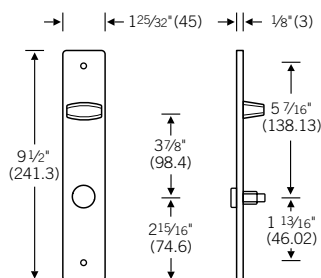


- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Thumbturn
 1 Spindle
 2 Screws

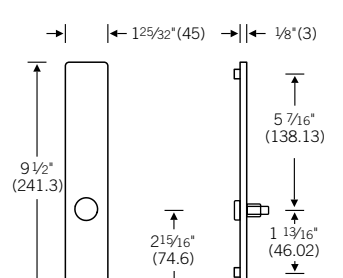
Lever on Bottom
ED



Exposed Interior Fasteners



Concealed Exterior Fasteners



All details subject to modification

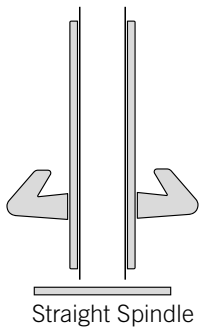
Multi-Point

Laser Cut Multi-Point Kits for Weather Shield® Swing Door

North American Multi-Point (NMP)

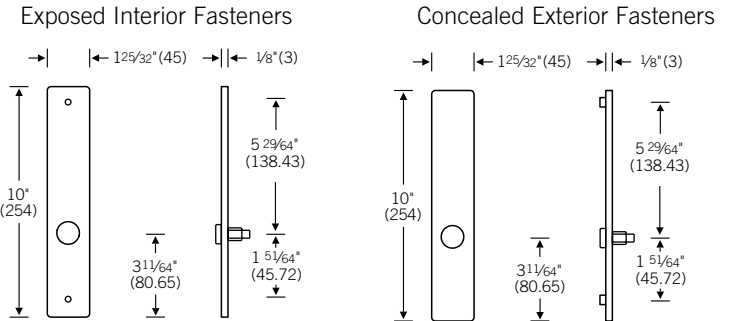
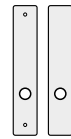
Function C

Passage



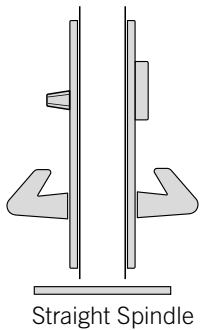
- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws

Lever on Bottom
ED



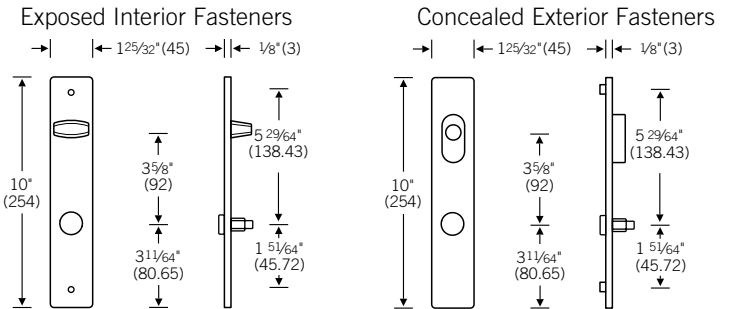
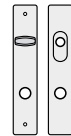
Function H

Entrance



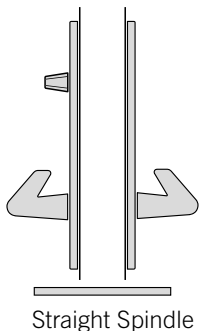
- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Cylinder / Thumbturn
 1 Spindle
 2 Screws

Lever on Bottom
ED



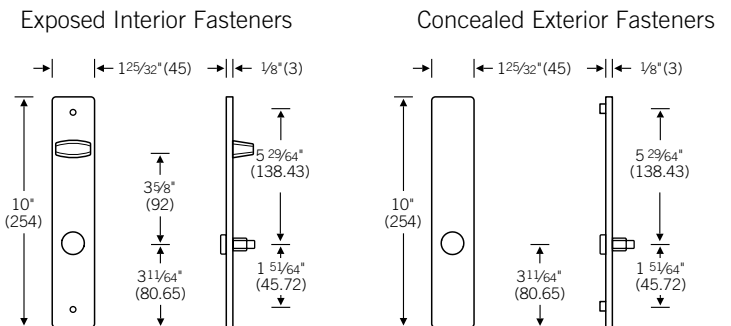
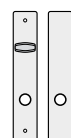
Function T

Patio



- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Thumbturn
 1 Spindle
 2 Screws

Lever on Bottom
ED

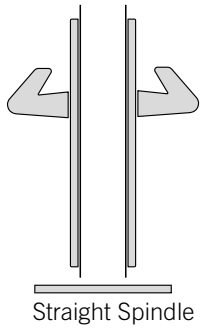


Standard European Multi-Point Kits

European Multi-Point (EMP)

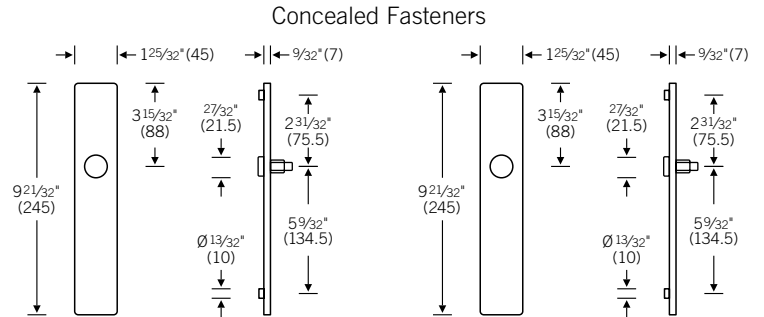
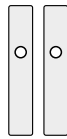
Function C

Passage



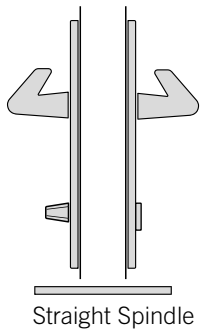
- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED



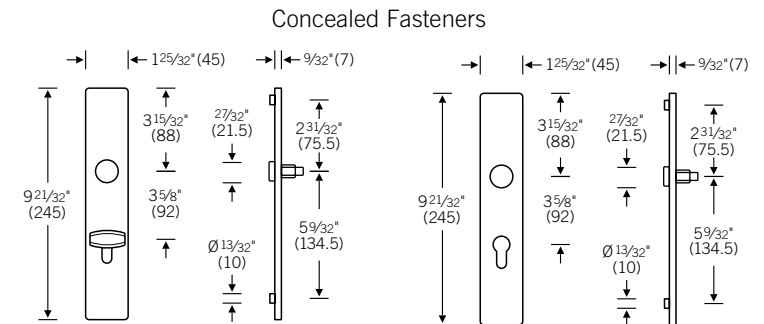
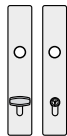
Function H

Entrance



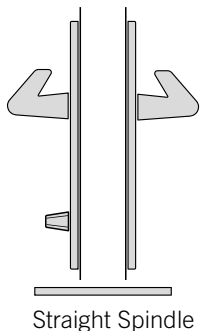
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 1 Cylinder / Thumbturn
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 2 Screws
 2 Nuts

Lever on Top
ED



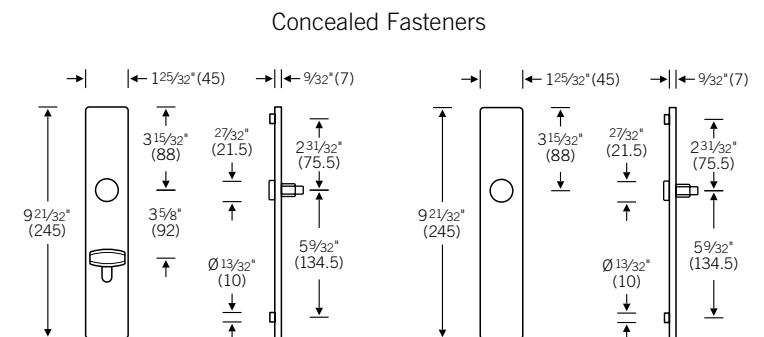
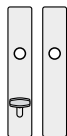
Function T

Patio



- Set Includes:**
 2 Escutcheons
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 1 Thumbturn
 1 Spindle
 2 Screws
 2 Nuts

Lever on Top
ED



All details subject to modification

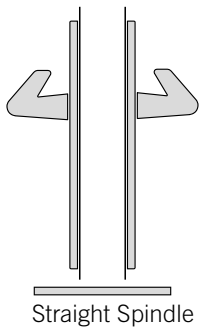
Multi-Point

Laser Cut Multi-Point Kits for Integrity® Swing Door

European Multi-Point Sets (EMP)

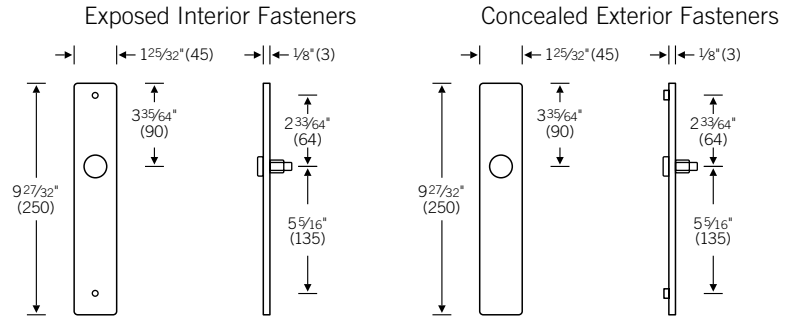
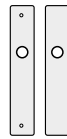
Function C

Passage



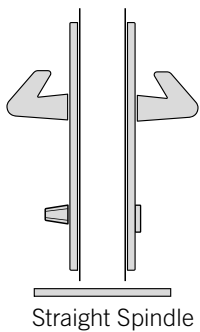
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 2 Escutcheons
 2 Levers
 1 Spindle
 2 Screws

Lever on Top
ED



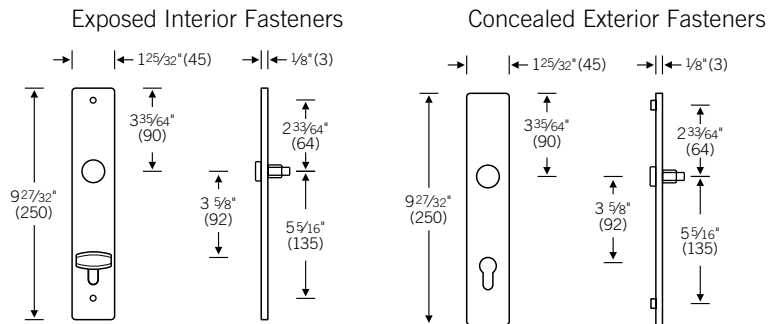
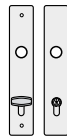
Function H

Entrance



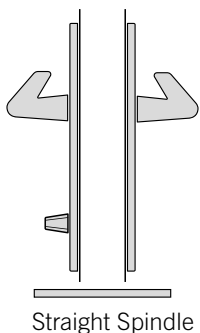
- Set Includes:**
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 1 Cylinder / Thumbturn
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 2 Screws

Lever on Top
ED



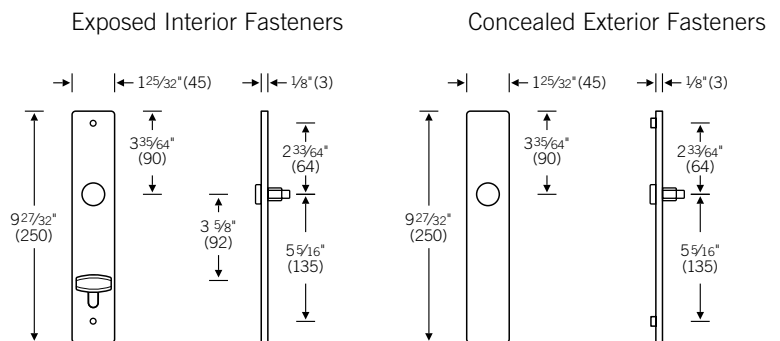
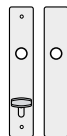
Function T

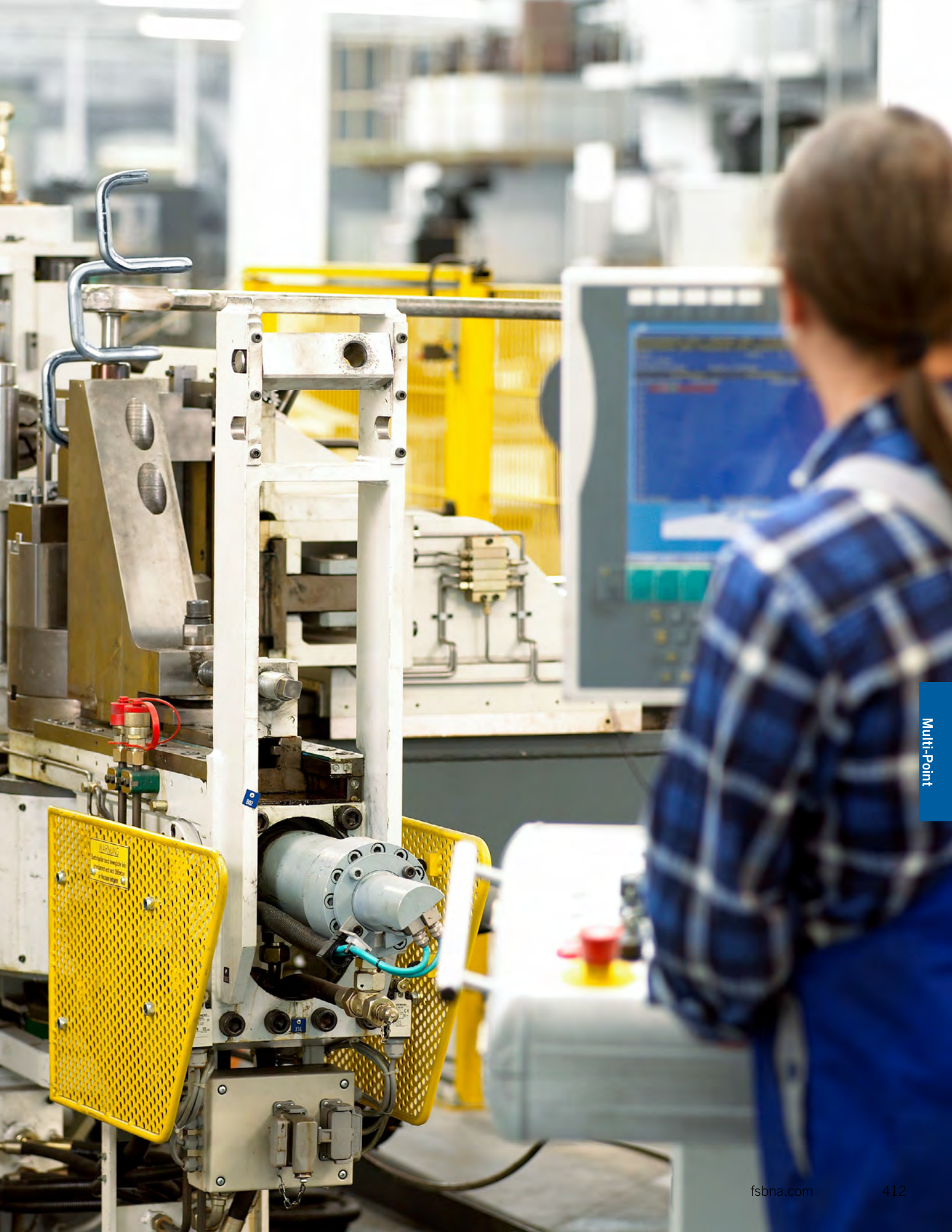
Patio



- Set Includes:**
 2 Escutcheons
 2 Levers
 1 Thumbturn
 1 Spindle
 2 Screws

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)

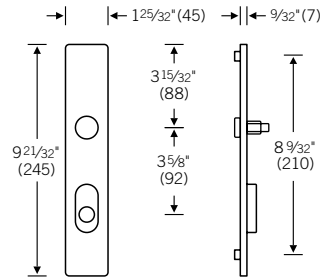
*Includes finish rose and sub-rose




Cylinder

14 1410 09023 

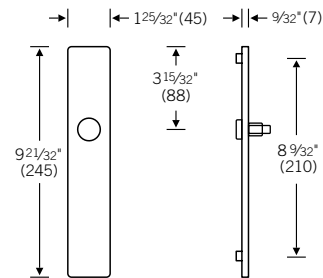
*Includes finish rose and sub-rose




Lever only

14 1410 09021 

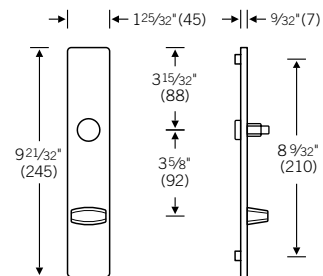
*Includes finish rose and sub-rose



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)

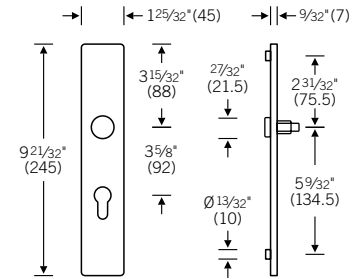
*Includes finish rose and sub-rose




Cylinder

12 1410 19112 

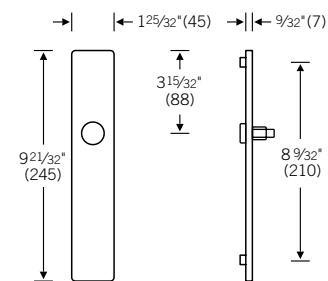
*Includes finish rose and sub-rose



Lever only

14 1410 09021 

*Includes finish rose and sub-rose



All details subject to modification

Multi-Point

European Narrow Multi-Point Escutcheon with Visible Fasteners

EN

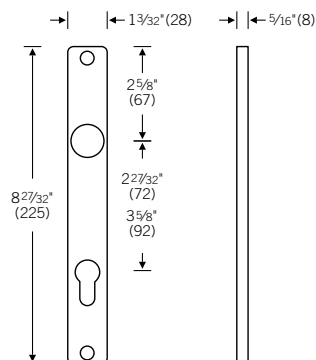
14 1550 01012 PZ 92 mm ■■



Can not be ordered in sets, must be ordered separately.
See Multi-Point sets beginning on page 407.

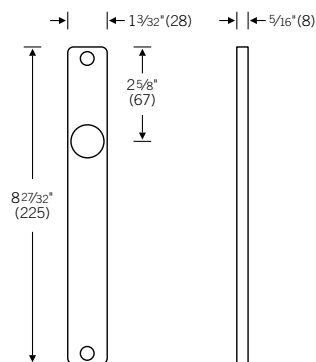
Cylinder

14 1550 01012 PZ 92 mm ■■



Lever only

14 1550 01001 ■■

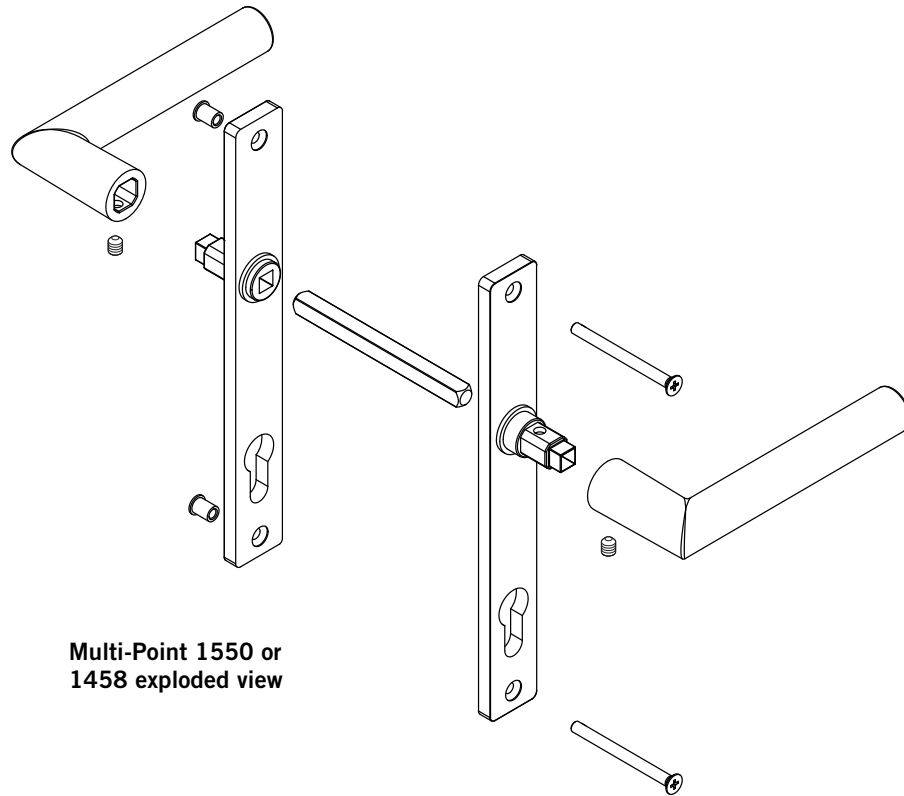


All details subject to modification

Multi-Point Custom Ordering Information

When ordering 1550 (page 415) or 1458 custom laser cut escutcheon (page 430) please refer to the illustration and the lock function guide below to insure you have ordered everything you will need to operate your lock.

When ordering the 1458 customer laser cut escutcheon please complete the form on page 430 and submit with your order.



Multi-Point 1550 or 1458 exploded view

1 3/4" Door Thickness

Passage Trim Set

- 2 - Levers - See lever overview on page 17
- 2 - Escutcheons - 14 1550 01001 x Desired Finish
- 1 - Spindle and fastener pack - 05 0553 1000 000

Entrance Trim Set

- 2 - Levers - See lever overview on page 17
- 2 - Escutcheons - 14 1550 010102 x Desired Finish
- 1 - Cylinder - 88 8812 00164
- 1 - Spindle and fastener pack - 05 0553 1000 000

Patio Trim Set

- 2 - Levers - See lever overview on page 17
- 1 - Escutcheon - 14 1550 01001
- 1 - Escutcheon - 14 1550 01012
- 1 - Thumbturn - 88 8812 00230
- 1 - Spindle and fastener pack - 05 0553 1000 000

2" to 2 1/4" Door Thickness

Passage Trim Set

- 2 - Levers - See lever overview on page 17
- 2 - Escutcheons - 14 1550 01001 x Desired Finish
- 1 - Spindle and fastener pack - 05 0553 1002 000

Entrance Trim Set

- 2 - Levers - See lever overview on page 17
- 2 - Escutcheons - 14 1550 01012 x Desired Finish
- 1 - Cylinder - 88 8812 00170
- 1 - Spindle and fastener pack - 05 0553 1002 000

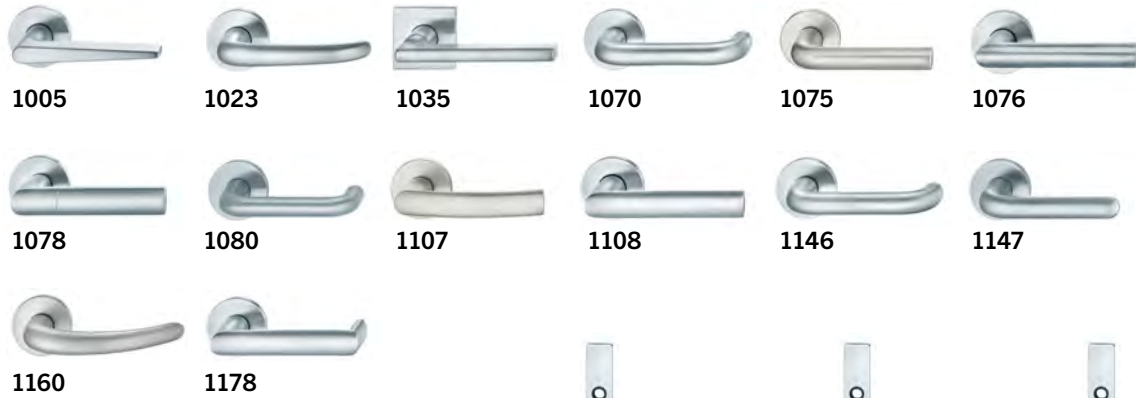
Patio Trim Set

- 2 - Levers - See lever overview on page 17
- 1 - Escutcheon - 14 1550 01001
- 1 - Escutcheon - 14 1550 01012
- 1 - Thumbturn - 88 8812 00235
- 1 - Spindle and fastener pack - 05 0553 1002 000

All details subject to modification

Multi-Point

North American Multi-Point Trim Kits



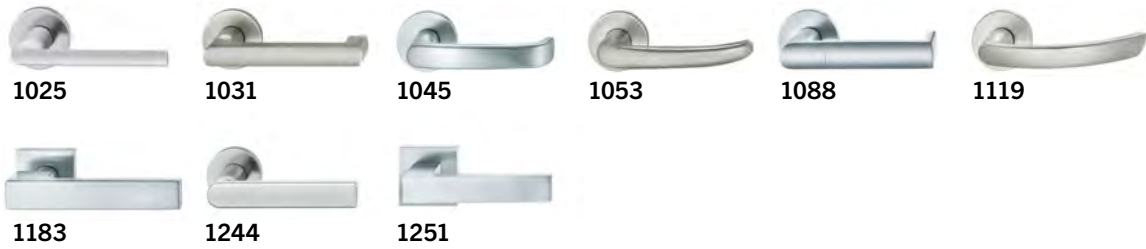
Standard Functions		Standard		Marvin		Weather Shield	
		Stainless Finishes		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205	6204	6205
C	Passage	502.66	605.45	N/A	N/A	N/A	N/A
H	Entrance	955.06	1191.57	N/A	N/A	N/A	N/A
T	Patio	620.11	763.97	N/A	N/A	N/A	N/A



Standard Functions		Standard		Marvin		Weather Shield	
		Stainless Finishes		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205	6204	6205
C	Passage	561.50	723.14	N/A	N/A	N/A	N/A
H	Entrance	1013.91	1309.26	N/A	N/A	N/A	N/A
T	Patio	678.96	881.66	N/A	N/A	N/A	N/A

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 3/4" door. Trim is only available with standard thumbturn.

North American Multi-Point Trim Kits



		Standard		Marvin		Weather Shield	
		Stainless Finishes		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205	6204	6205
Standard Functions							
C	Passage	707.64	865.93	N/A	N/A	N/A	N/A
H	Entrance	1160.04	1452.05	N/A	N/A	N/A	N/A
T	Patio	825.10	1024.46	N/A	N/A	N/A	N/A



		Standard		Marvin		Weather Shield	
		Stainless Finishes		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205	6204	6205
Standard Functions							
C	Passage	855.73	1017.37	N/A	N/A	N/A	N/A
H	Entrance	1308.13	1603.49	N/A	N/A	N/A	N/A
T	Patio	973.19	1175.89	N/A	N/A	N/A	N/A

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn
NMP-C-1003-ED-ST-6204-134

Example for Specifying

All details subject to modification

Multi-Point

North American Multi-Point Trim Kits



1102 **1134** **1163** **1164**



Standard **Marvin** **Weather Shield**

		Stainless Finishes		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205	6204	6205
Standard Functions							
C	Passage	1008.73	1193.91	N/A	N/A	N/A	N/A
H	Entrance	1461.13	1780.02	N/A	N/A	N/A	N/A
T	Patio	1126.18	1352.43	N/A	N/A	N/A	N/A



1015 **1023** **1106**



Standard

		Bronze Finishes	
		7615	7625
Standard Functions			
C	Passage	840.78	1024.73
H	Entrance	N/A	N/A
T	Patio	1084.30	1205.69

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 3/4" door. Trim is only available with standard thumbturn.

North American Multi-Point Trim Kits



1045

1053

1119



Standard

Bronze Finishes

7615 **7625**

Standard Functions

Function	7615	7625
C Passage	899.62	1083.58
H Entrance	N/A	N/A
T Patio	1143.14	1264.53



1004

1016

1076

1102*

1134

1163



1164

*Available in 7615 finish only



Standard

Bronze Finishes

7615 **7625**

Standard Functions

Function	7615	7625
C Passage	899.62	1142.43
H Entrance	N/A	N/A
T Patio	1143.14	1323.38

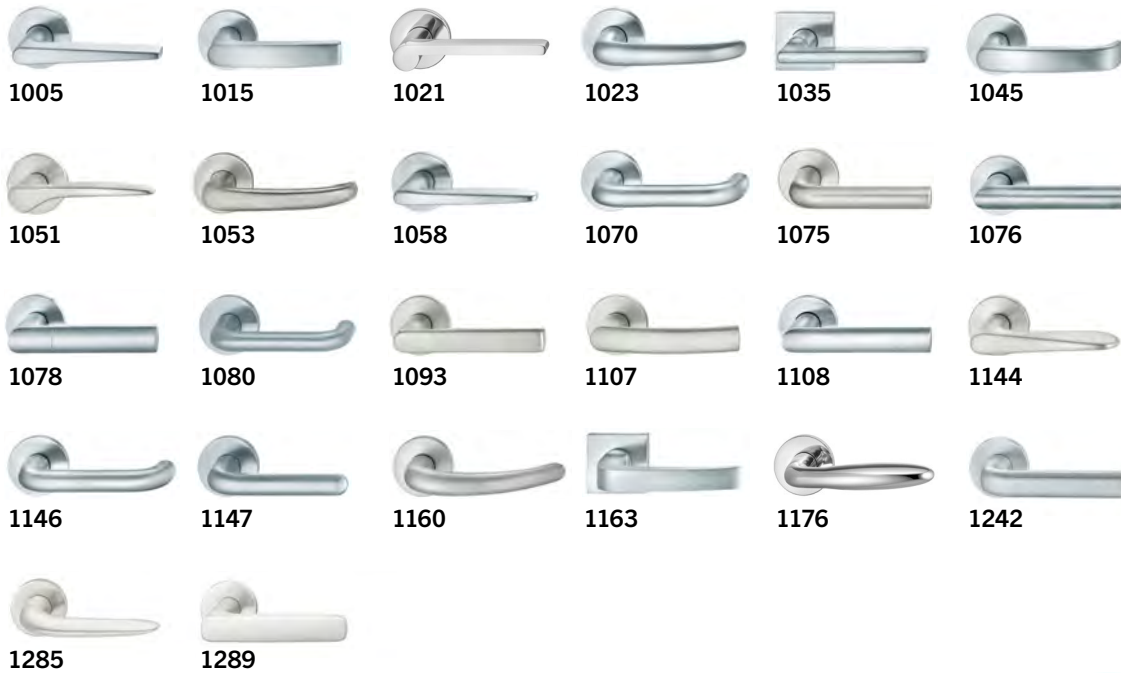
All details subject to modification

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

Standard Functions

		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	366.96	492.65
H	Entrance	637.41	813.95
T	Patio	510.66	674.42

Anodized Aluminum

- 0105 ■ 0510
- 0205 ■ 0710
- 0410 ■ 0810

Powder Coated

- 8120
- 8220
- Full list on page 8

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

Standard Functions

		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	425.81	575.04
H	Entrance	696.26	896.33
T	Patio	569.50	756.81



*Available in 0105 finish only



Standard

Standard Functions

		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	484.65	610.35
H	Entrance	755.10	931.64
T	Patio	628.35	792.12

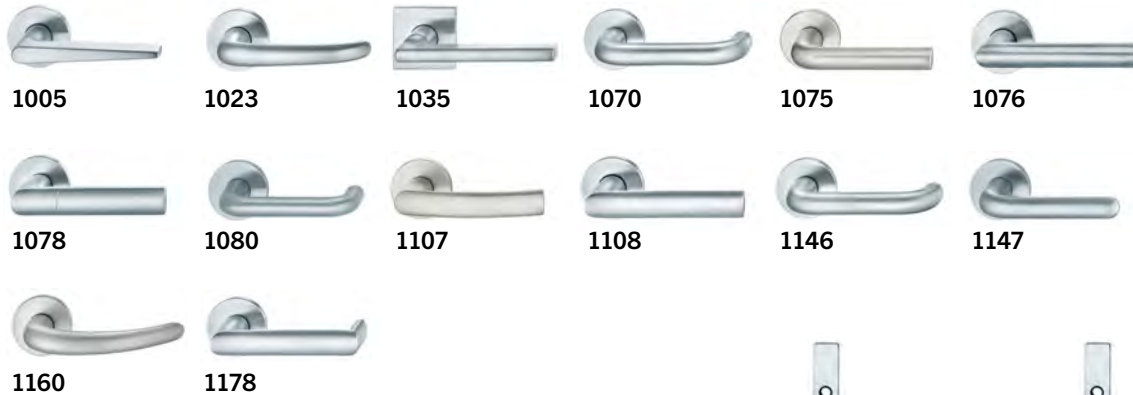
All details subject to modification

Multi-Point

Lock Type
 Function
 Lever
 Trim Set
 Door
 Finish
 Door Thkn
NMP-C-1003-ED-ST-6204-134

Example for Specifying

European Multi-Point Trim Kits



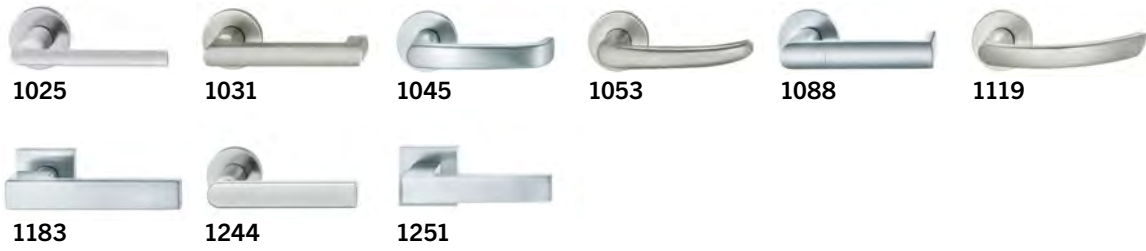
		Standard		Integrity	
		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205
Standard Functions					
C	Passage	501.01	603.80	807.24	1017.20
H	Entrance	739.86	886.01	1090.46	1331.69
T	Patio	688.77	818.24	759.15	919.24



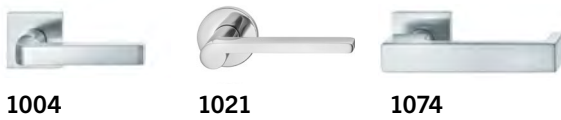
		Standard		Integrity	
		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205
Standard Functions					
C	Passage	559.86	721.49	866.09	1134.89
H	Entrance	798.71	1003.70	1149.31	1449.38
T	Patio	747.61	935.93	817.99	1036.93

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 3/4" door. Trim is only available with standard thumbturn.

European Multi-Point Trim Kits



		Standard		Integrity	
		Stainless Finishes		Stainless Finishes	
Standard Functions		6204	6205	6204	6205
C	Passage	705.99	864.29	1012.22	1277.68
H	Entrance	944.85	1146.49	1295.45	1592.17
T	Patio	893.75	1078.72	964.13	1179.72



		Standard		Integrity	
		Stainless Finishes		Stainless Finishes	
Standard Functions		6204	6205	6204	6205
C	Passage	854.08	1015.72	1160.31	1429.12
H	Entrance	1092.93	1297.93	1443.54	1743.61
T	Patio	1041.84	1230.16	1112.22	1331.16

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		Integrity	
		Stainless Finishes		Stainless Finishes	
		6204	6205	6204	6205
C	Passage	1007.08	1192.26	1313.31	1605.66
H	Entrance	789.00	885.00	890.00	902.00
T	Patio	564.00	632.00	590.00	644.00



Standard Functions

		Standard	
		Bronze Finishes	
		7615	7625
C	Passage	839.13	1023.09
H	Entrance	1119.26	1178.11
T	Patio	1119.26	1240.66

Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 3/4" door. Trim is only available with standard thumbturn.

European Multi-Point Trim Kits



1045

1053

1119



Standard

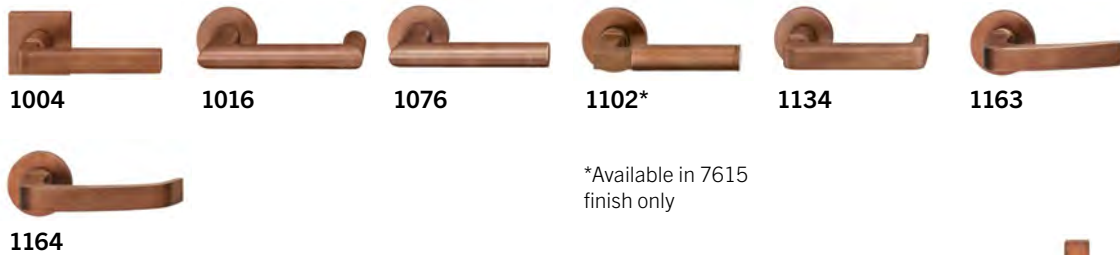
Bronze Finishes

7615

7625

Standard Functions

		7615	7625
C	Passage	897.98	1081.93
H	Entrance	1178.11	1236.95
T	Patio	1178.11	1299.51



1004

1016

1076

1102*

1134

1163

1164

*Available in 7615 finish only



Standard

Bronze Finishes

7615

7625

Standard Functions

		7615	7625
C	Passage	897.98	1140.78
H	Entrance	1178.11	1295.80
T	Patio	1178.11	1358.36

All details subject to modification

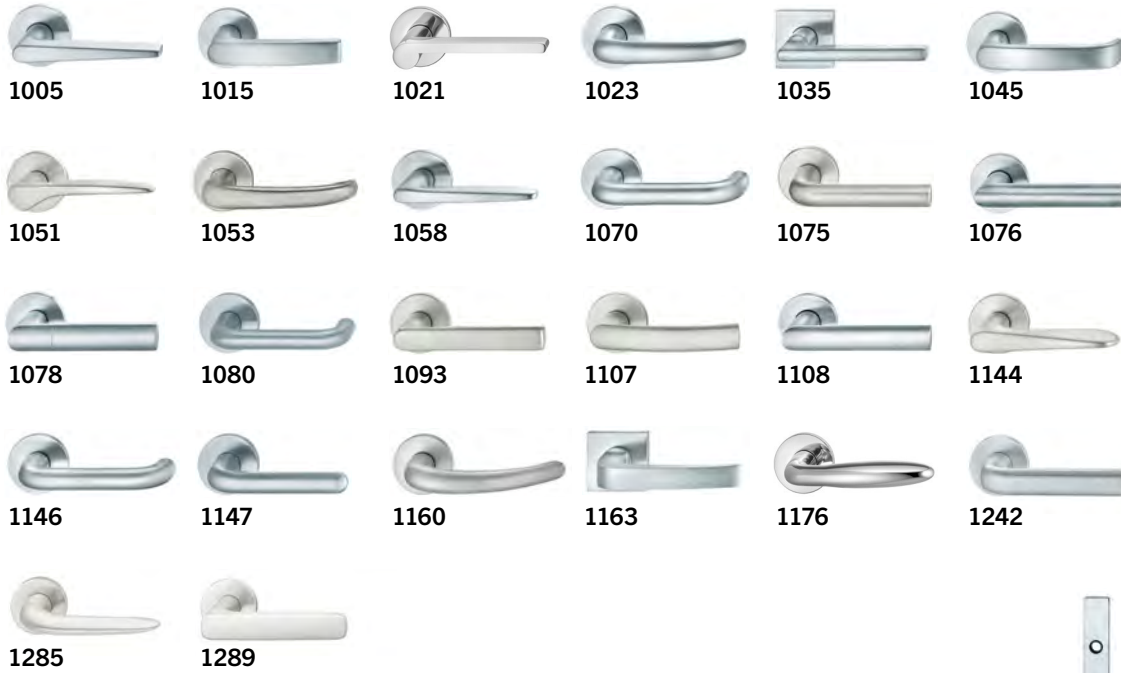
Multi-Point

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

Standard Functions

		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	365.31	491.01
H	Entrance	563.60	689.47
T	Patio	566.23	701.28

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

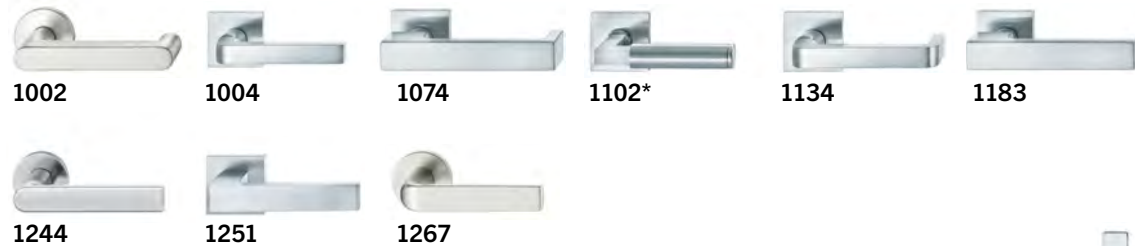
Note: Kit includes your choice of lever, 1410 series escutcheon, cylinder, spindle and screws for minimum of 1 ¾" door. Trim is only available with standard thumbturn.

European Multi-Point Trim Kits



Standard Functions

		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	424.16	573.39
H	Entrance	622.45	771.85
T	Patio	625.08	783.67



*Available in 0105 finish only



Standard Functions

		Standard	
		Aluminum Finishes	
		0105	All Other Aluminum
C	Passage	483.00	608.70
H	Entrance	681.29	807.16
T	Patio	683.92	818.97

Lock Type
Function
Lever
Trim Set
Door
Finish
Door Thkn

EMP-C-1003-ED-ST-6204-134

Example for Specifying

All details subject to modification

Multi-Point

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

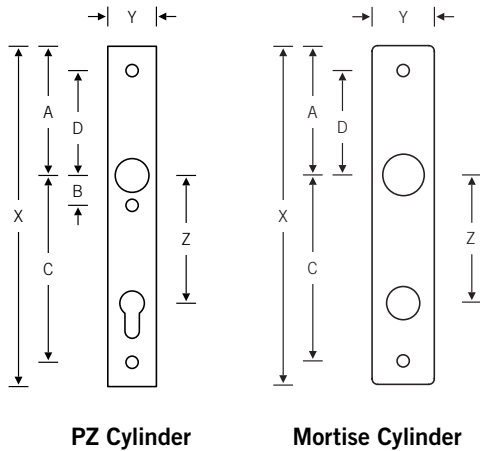
Options	Descriptions		Price
Cylinder	LC - Locks ordered "less cylinder"	Deduct	28.62
Special Door Thickness	All sizes over 2 ¼" thick please consult FSB	Add	53.80

Laser Cut Escutcheon and Multi-Point Dimension Chart

Special Length Laser Cut Escutcheon

14 1458 00299 ■

Please complete form and send to FSB for pricing

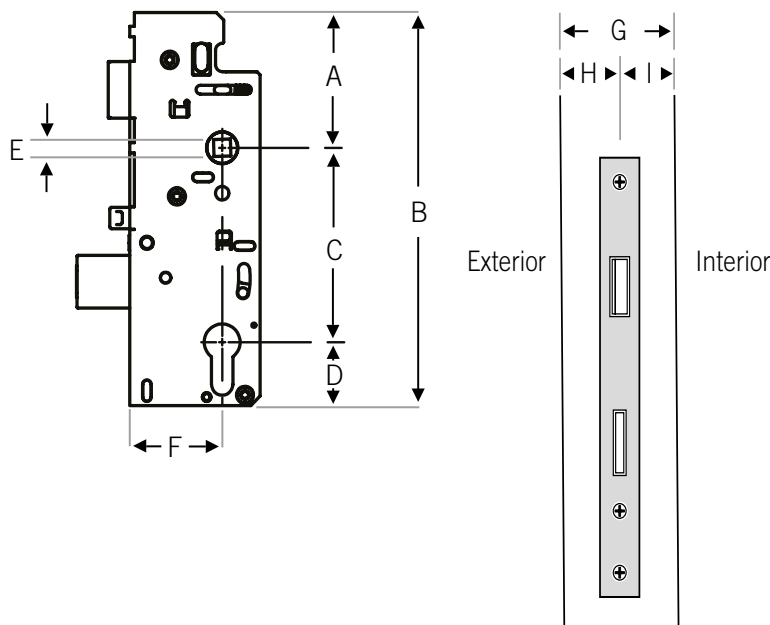


	PZ Cylinder	Mortise Cylinder
Escutcheon Thickness	<input type="checkbox"/> 3 mm	<input type="checkbox"/> 3 mm
Door Thickness		
Length X		
Width Y		
Dimension A		
Dimension B		
Dimension C		
Dimension D		
Spacing Z		
Holes		
Screw Fasteners (visibility)	<input type="checkbox"/> one side <input type="checkbox"/> both sides	<input type="checkbox"/> one side <input type="checkbox"/> both sides
Handle Bearing	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*

* only for screws visible one side
Please specify 6204 or 6205 finish.

Multi-Point Lock Dimension Chart

All details subject to modification



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

Multi-Point

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	LO Lever with oval escutcheon LR Lever with rectangular escutcheon SP Short Oval Flush Pull LP Long Oval 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

Anodized Aluminum

- **0105** Natural Color (628)
- **0205** Champagne Silver Color

Textured Anodized Aluminum

- **0410** Bronze Color
- **0510** Medium Bronze Color
- **0710** Dark Bronze Color (710)
- **0810** Black Color (711)

Powder Coated Aluminum

- **8120** Black (671)
- **8220** White (714)

Door Thickness

214

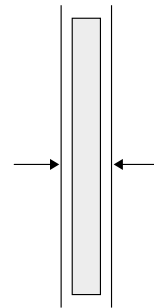
Lift and Slide trim sets are supplied standard for 2 ¼" door thickness.

Standard

214 2 ¼"

Special Order

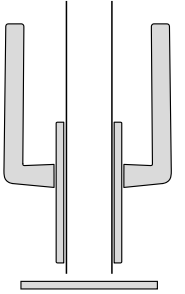
All sizes other than 2 ¼" thick please consult FSB.



Lift and Slide Sets

Function C

Passage



Straight Spindle

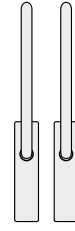
Passage Lever by Lever

Set Includes:

- 2 Escutcheons
- 2 Handles
- 1 Spindle
- 2 Screws
- 2 Nuts

Trim Options

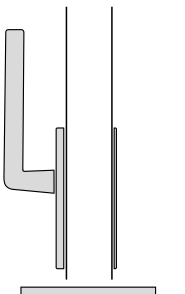
LO-LO



LR-LR

Function C

Passage

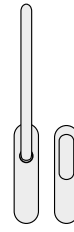


Straight Spindle

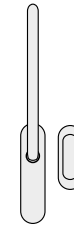
Passage Lever by Flush Pull

Set Includes:

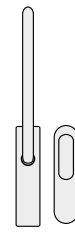
- 1 Escutcheon
- 1 Handles
- 1 Long or Short Flush Pull
- 1 Spindle
- 2 Screws

Trim Options

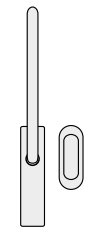
LO-LP



LO-SP



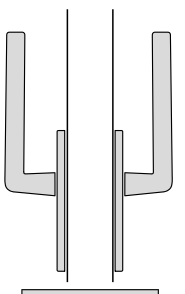
LR-LP



LR-SP

Function H

Entrance

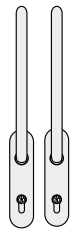


Straight Spindle

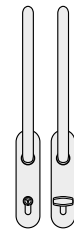
Entrance Lever by Lever

Set Includes:

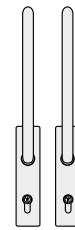
- 2 Escutcheons
- 2 Handles
- 1 Spindle
- 2 Screws
- 2 Nuts

Trim Options

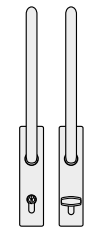
LO-LO



LO-LO



LR-LR

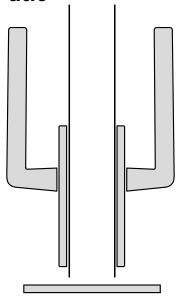


LR-LR

Lift and Slide Sets

Function T

Patio



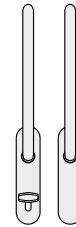
Straight Spindle

Patio Lever by Lever

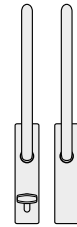
Set Includes:

- 2 Escutcheons
- 2 Handle
- 1 Spindle
- 2 Screws
- 2 Nuts

Trim Options



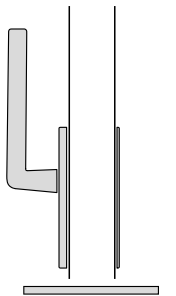
LO-LO



LR-LR

Function T

Patio



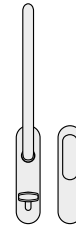
Straight Spindle

Patio Lever by Flush Pull

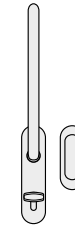
Set Includes:

- 1 Escutcheon
- 1 Handle
- 1 Long or Short Flush Pull
- 1 Spindle
- 2 Screws

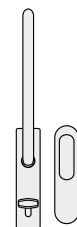
Trim Options



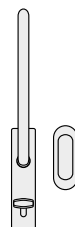
LO-LP



LO-SP



LR-LP



LR-SP

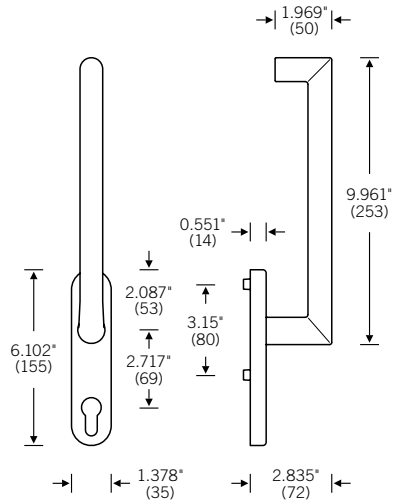
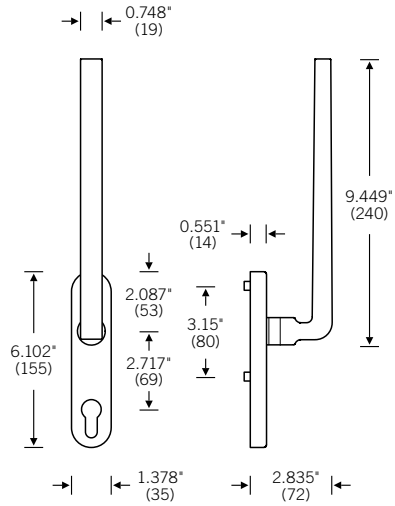
Lift and Slide Handles

34 1004 

34 1016 

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm □ spindle

Matching flush pulls FSB 42 4215 see pagePage 439



.... 01100
oval trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002

.... 02100
rectangular 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

.... 02101
rectangular trim with profile cylinder keyhole, with M6 threaded lugs, for through bolting combined with design 003

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 ■

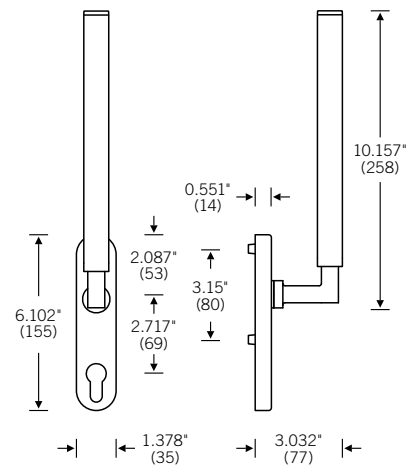
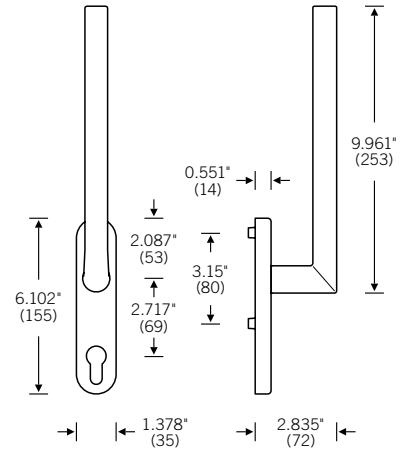


.... 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002

.... 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 439



Lift & Slide


Lift and Slide Handles

34 1146 



.... 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 1163 

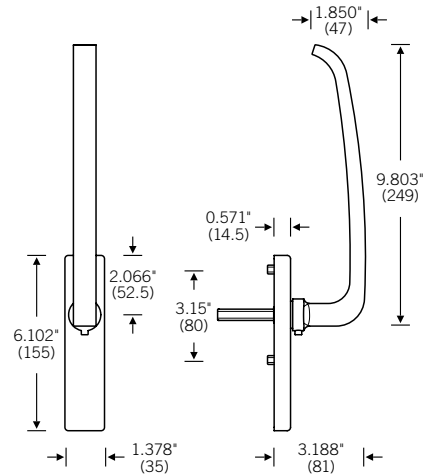
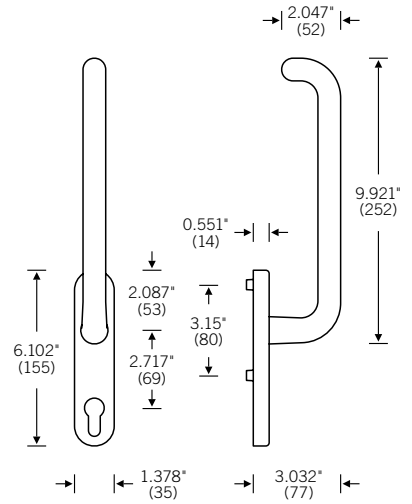


.... 02100
rectangular trim without keyhole, with M6 threaded lugs, for through bolting combined with design 002

.... 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 pagePage 439

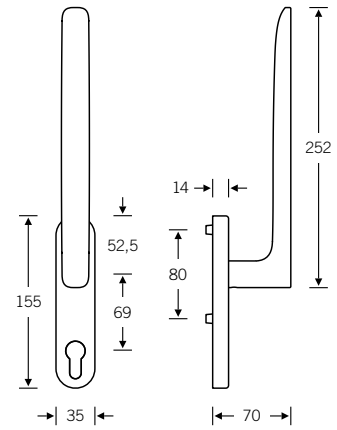


Lift and Slide Handles

34 1289 ■

Lift and Slide handles with 180° click-stop, swivel-mounted, invisible screws, 10 mm □ spindle

Matching flush pulls FSB 42 4215 see pagePage 439




.... 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

Flush Pulls

for Lift and Slide Handles

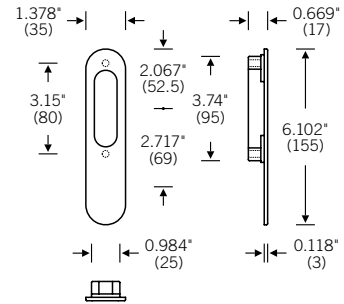
42 4215 



42 4215 00000 (without keyhole)

Must be used with Lift and Slide Handles.

M6 threaded screws



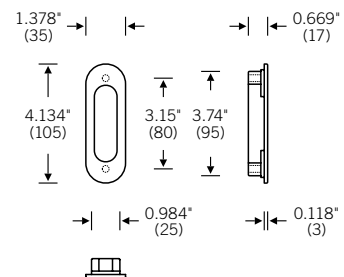
42 4215 01000 




Flush Pull

Must be used with Lift and Slide Handles.

M6 threaded screws




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	1155.55	1498.17	1155.55	1498.17	1965.19	2550.70
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1965.19	2550.70
T	Patio	LNS-T	1155.55	1498.17	1155.55	1498.17	1965.19	2550.70



1016

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			6204	6205	6204	6205	6204	6205
C	Passage	LNS-C	912.11	1181.70	912.11	1181.70	1478.30	1917.75
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1478.30	1917.75
T	Patio	LNS-T	912.11	1181.70	912.11	1181.70	1478.30	1917.75



1076

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			6204	6205	6204	6205	6204	6205
C	Passage	LNS-C	881.14	1141.43	881.14	1141.43	1416.36	1837.23
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1416.36	1837.23
T	Patio	LNS-T	881.14	1141.43	881.14	1141.43	1416.36	1837.23

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



1102

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			6204	6205	6204	6205	6204	6205
C	Passage	LNS-C	1337.80	1735.09	1337.80	1735.09	2329.68	3024.54
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2329.68	3024.54
T	Patio	LNS-T	1337.80	1735.09	1337.80	1735.09	2329.68	3024.54



1146

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			6204	6205	6204	6205	6204	6205
C	Passage	LNS-C	866.25	1122.08	866.25	1122.08	1386.58	1798.51
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1386.58	1798.51
T	Patio	LNS-T	866.25	1122.08	866.25	1122.08	1386.58	1798.51

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



1004

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			7615	7625	7615	7625	7615	7625
C	Passage	LNS-C	2530.57	2530.57	N/A	N/A	3723.41	3723.41
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	3723.41	3723.41
T	Patio	LNS-T	2530.57	2530.57	N/A	N/A	3723.41	3723.41



1016

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			7615	7625	7615	7625	7615	7625
C	Passage	LNS-C	1960.86	1960.86	N/A	N/A	2583.99	2583.99
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2583.99	2583.99
T	Patio	LNS-T	1960.86	1960.86	N/A	N/A	2583.99	2583.99

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.

Lock Type
 Function
 Lever
 Int Trim
 Ext Trim
 Finish
 Door Thkkn
LNS-C-1004-SP-LO-6204-214

Example for Specifying

Lift Slide Handle Trim Kits



1146

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	821.66	1064.12	821.66	1064.12	1154.08	1496.26
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1154.08	1496.26
T	Patio	LNS-T	821.66	1064.12	821.66	1064.12	1154.08	1496.26



1163

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	902.96	974.33	902.96	974.33	1316.68	1316.68
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	1316.68	1316.68
T	Patio	LNS-T	902.96	974.33	902.96	974.33	1316.68	1316.68



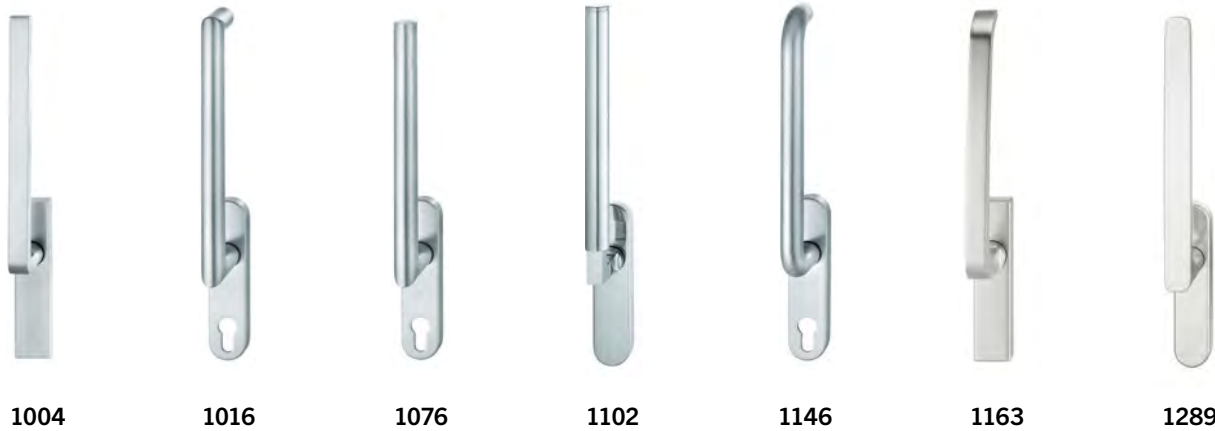
1289

Non Keyed Functions	Function Description	Kit No.	SP-Lx		LP-Lx		Lx-Lx	
			0105	All Other	0105	All Other	0105	All Other
C	Passage	LNS-C	1384.94	1796.40	1384.94	1796.40	2280.63	2960.82
H	Entrance	LNS-H	N/A	N/A	N/A	N/A	2280.63	2960.82
T	Patio	LNS-T	1384.94	1796.40	1384.94	1796.40	2280.63	2960.82

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.

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



	Number	Description	Stainless Finishes		Unit	
			6204	6205		
Lift Slide Handles	34	1004 xx100	W/O Keyhole, Through Bolted	1172.01	1433.37	Each
	34	1004 xx101	PZ Keyhole, Through Bolted	1172.01	1433.37	Each
	34	1016 xx100	W/O Keyhole, Through Bolted	950.85	1162.54	Each
	34	1016 xx101	PZ Keyhole, Through Bolted	950.85	1162.54	Each
	34	1076 xx100	W/O Keyhole, Through Bolted	895.27	1095.13	Each
	34	1076 xx101	PZ Keyhole, Through Bolted	895.27	1095.13	Each
	34	1102 xx100	W/O Keyhole, Through Bolted	1390.80	1700.65	Each
	34	1102 xx101	PZ Keyhole, Through Bolted	1390.80	1700.65	Each
	34	1146 xx100	W/O Keyhole, Through Bolted	895.27	1095.13	Each
	34	1146 xx101	PZ Keyhole, Through Bolted	895.27	1095.13	Each
Lift Slide Flush Pulls	42	4215 00000	FP Long w/o keyhole	214.06	262.55	Each
	42	4215 00002	FP Long with PZ Cut-Out	214.06	262.55	Each
	42	4215 01000	FP Short w/o PZ Cut-Out	206.96	253.09	Each

	Number	Description	Bronze Finishes		Unit	
			7615	7625		
Lift Slide Handles	34	1004 xx100	W/O Keyhole, Through Bolted	2226.93	2722.46	Each
	34	1004 xx101	PZ Keyhole, Through Bolted	2226.93	2722.46	Each
	34	1016 xx100	W/O Keyhole, Through Bolted	1614.32	1973.84	Each
	34	1016 xx101	PZ Keyhole, Through Bolted	1614.32	1973.84	Each
	42	4215 01000	FP Short w/o PZ Cut-Out	707.22	864.52	Each

	Number	Description	Aluminum Finishes		Unit	
			0105	All Other		
Lift Slide Handles	34	1146 xx100	W/O Keyhole, Through Bolted	741.52	982.78	Each
	34	1146 xx101	PZ Keyhole, Through Bolted	741.52	982.78	Each
Lift Slide Flush Pulls	34	1163 xx100	FP Long w/o keyhole	1058.47	1401.44	Each
	34	1163 xx101	FP Long with PZ Cut-Out	1058.47	1401.44	Each
Lift Slide Flush Pulls	42	4215 00000	FP Long w/o keyhole	272.01	360.71	Each
	42	4215 00002	FP Long with PZ Cut-Out	272.01	360.71	Each
	42	4215 01000	FP Short w/o PZ Cut-Out	266.10	352.43	Each

Note: Substitute your trim style prefix in the product code for "xx"
 Oval Trim: 01
 Rectangular Trim: 02

Anodized Aluminum
 0105
 0205
 0410
 0510
 0710
 0810

Powder Coated
 8120
 8220
 Full list on page 8



Glass Locks Overview

EGS

13 4220 ■ ■
Page 451, 452



EGR

13 4223 ■ ■
Page 453, 454



EGC

13 4224 ■ ■
Page 455, 456



13 4230 ■
Page 457




All details subject to modification

Glass Door Locks

	Premium Series	Elements Series	
Material	■ Stainless Steel	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 0105 (628) ■ 0410 ■ 0205 ■ 0510 ■ 8120 ■ 0710 (710) 8220 ■ 0810 (711)	

Specifying Glass Locksets

European Swinging Glass Door Locks (EGS, EGR and EGC)

Glass Lock Type	Lock Functions	Lever Design	Trim Set	Thumbturn and Indicator																																																
<h3>EGS</h3> <p>Insert your choice of glass door lock</p> <p>EGS European Glass Door Lock, Square Edge EGR European Glass Door Lock, Round Edge EGC European Glass Door Lock, Compact</p>	<h3>C</h3> <p>Insert your choice of function using one of the letter codes below.</p> <p>A Store Door C Passage H Entrance</p> <p>European Glass Door Locks do not have Emergency Egress Function.</p>	<h3>1147</h3> <p>Insert your choice of lever or knob design using one of the four digit codes.</p> <p>Premium/Elements</p> <table border="0"> <tr><td>1001*</td><td>1106</td></tr> <tr><td>1002*</td><td>1107</td></tr> <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>1160</td></tr> <tr><td>1031</td><td>1163</td></tr> <tr><td>1035</td><td>1164</td></tr> <tr><td>1045</td><td>1176</td></tr> <tr><td>1051*</td><td>1177</td></tr> <tr><td>1053</td><td>1178</td></tr> <tr><td>1058</td><td>1183</td></tr> <tr><td>1070</td><td>1241*</td></tr> <tr><td>1074</td><td>1242</td></tr> <tr><td>1075</td><td>1244</td></tr> <tr><td>1076</td><td>1251</td></tr> <tr><td>1078</td><td>1271</td></tr> <tr><td>1080</td><td>1267*</td></tr> <tr><td>1088</td><td>1285*</td></tr> <tr><td>1093</td><td>1289*</td></tr> <tr><td>1102</td><td></td></tr> </table> <p>* Elements Only</p>	1001*	1106	1002*	1107	1003	1108	1004	1119	1005	1134	1015	1144	1016	1146	1021	1147	1023	1160	1031	1163	1035	1164	1045	1176	1051*	1177	1053	1178	1058	1183	1070	1241*	1074	1242	1075	1244	1076	1251	1078	1271	1080	1267*	1088	1285*	1093	1289*	1102		<h3>RA</h3> <p>Insert your choice of trim set using one of the two letter codes.</p> <p>Optional Trim Set</p> <p>FL Patch fitting only RA Rose 2 3/16" (55 mm) (EGS + EGR only)</p>	<h3>S</h3> <p>Insert your choice of indicator if necessary.</p> <p>Thumbturns</p> <p> Standard thumbturn available with all roses and escutcheons</p> <p>S</p>
1001*	1106																																																			
1002*	1107																																																			
1003	1108																																																			
1004	1119																																																			
1005	1134																																																			
1015	1144																																																			
1016	1146																																																			
1021	1147																																																			
1023	1160																																																			
1031	1163																																																			
1035	1164																																																			
1045	1176																																																			
1051*	1177																																																			
1053	1178																																																			
1058	1183																																																			
1070	1241*																																																			
1074	1242																																																			
1075	1244																																																			
1076	1251																																																			
1078	1271																																																			
1080	1267*																																																			
1088	1285*																																																			
1093	1289*																																																			
1102																																																				

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> <ul style="list-style-type: none"> ■ 6204 Satin (630) ■ 6205 Polished (629) <p>Elements Series</p> <p>Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0105 Natural Color (628) ■ 0205 Champagne Silver Color <p>Textured Anodized Aluminum</p> <ul style="list-style-type: none"> ■ 0410 Bronze Color ■ 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) 	<p>231</p> <p>Available with 2³/₁₆" backset only</p> <p>231 2³/₁₆" 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 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 LH Left Hand RR Right Hand Reverse 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 010 10 mm 012 12 mm</p>

All details subject to modification

European Glass Door Lock for Swinging Doors

Functions

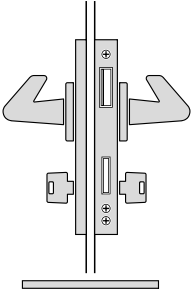
Function A

Store Door

Description

Latch bolt by handle either side.
Deadbolt by key either side.
European profile cylinder.

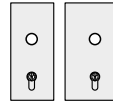
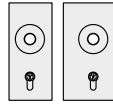
Lever to cylinder center-to-center:
2¹³/₁₆" (72 mm).



Trim Sets

RA

FL

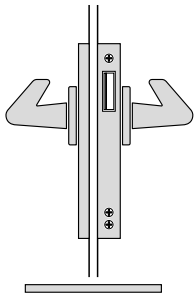


Function C

Passage

Description

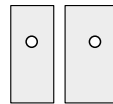
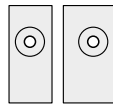
Latch bolt by handle either side.



Trim Sets

RA

FL

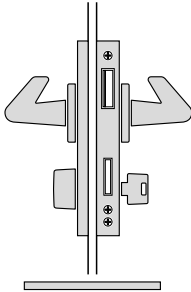


European Glass Door Lock for Swinging Doors

Functions

Function H

Entrance



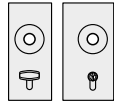
Description

Latch bolt by handle either side.
Deadbolt by key outside and
thumbturn inside.
European profile cylinder.

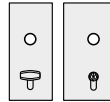
Lever to thumbturn center-to-center:
2¹³/₁₆" (72 mm).

Trim Sets

RA-S



FL-SI



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)

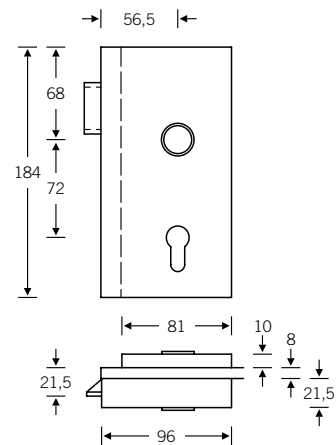
PZ cylinder CTC 72 mm

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)



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 449.

Strike Box for Glass Walls or Pairs



13 4220

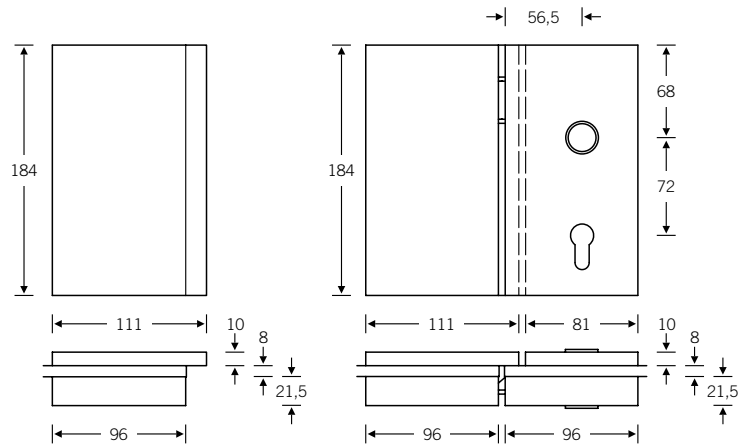
13 4220 045   (LH)

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.



All details subject to modification

Glass Door Locks



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 EGR

13 4223 041  (LH)
13 4223 051  (RH)



Rectangular lockset plate rounded corners with cover plates with heavy-duty glass door lock (DIN 18251, analogous to Class 4)

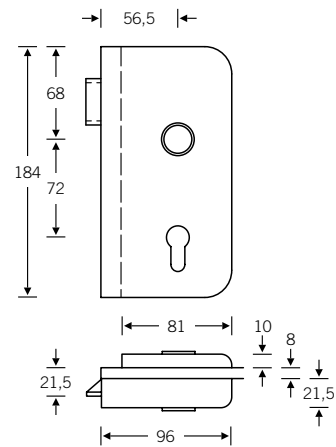
PZ cylinder CTC 72 mm

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 4223 042  (LH)
13 4223 052  (RH)



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 449.

Strike

for Glass Walls or Pairs



13 4223

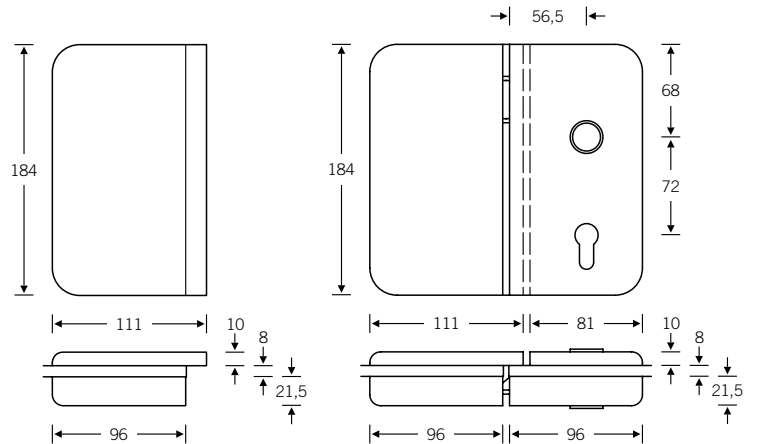
13 4223 045   (LH)

13 4223 055   (RH)

Note: E2 Full Patch Strike

Rectangular strike box rounded corners to suit lockset plates for glass doors 4223 041/051 and 4223 042/052.

The strike must be ordered in the hand opposite of the lock.



All details subject to modification

Glass Door Locks

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.

European Glass Door Lock for Swinging Doors



Series EGC

13 4224 042   (LH)
13 4224 052   (RH)

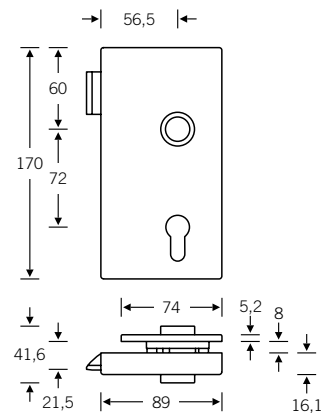
Heavy-duty bearing
Rectangular lockset plate compact with cover plates with heavy-duty glass door lock (DIN 18251, Class 4)

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.**



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 449.

Strike

for Glass Walls or Pairs

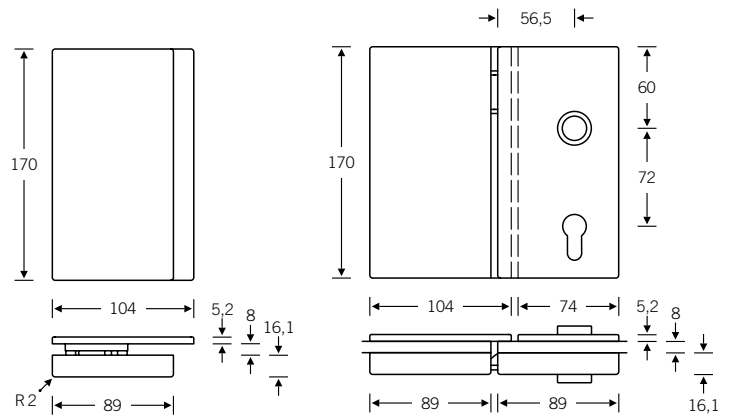


13 4224

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.



All details subject to modification

Glass Door Locks

Technical notes:
 Strike boxes are prepared at the factory for 8 mm, 10 mm or 12 mm glass. Please specify.

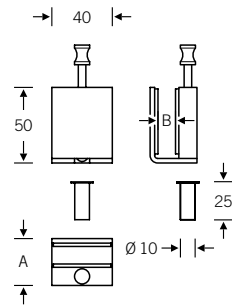
Door Holder



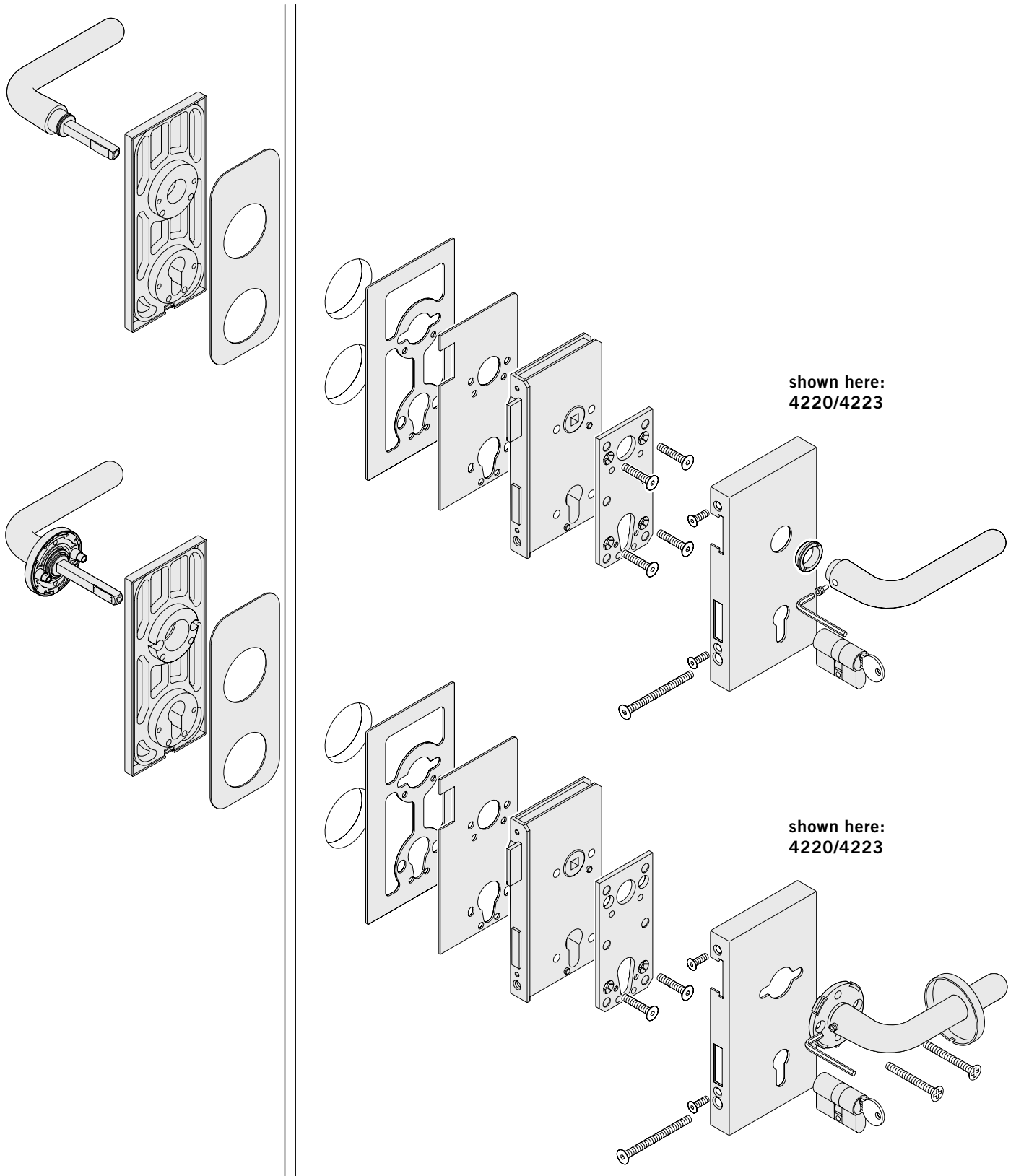
13 4230 ■

Item number	A	B
13 4230 000	27 mm	8 mm
13 4230 010	29 mm	10 mm
13 4230 012	31 mm	12 mm

A = width overall, B = thickness of glass



European Glass Door Lock Installation



All details subject to modification

EGS, EGR, and EGC Series

European Glass Door Locks



1005



1023



1035



1070



1107



1108



1146



1147



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1012.02	1241.45	1052.27	1293.83
C	Passage	928.46	1157.89	968.71	1210.26
H	Entrance	1081.36	1310.80	1121.61	1363.17



1075



1076



1078



1080



1160



1178



EGR-FL



EGR-RA



EGC

	6204	6205	6204	6205	6204	6205
C	1012.02	1241.45	1052.27	1293.83	1012.02	1241.45
H	928.46	1157.89	968.71	1210.26	928.46	1157.89
A	1081.36	1310.80	1121.61	1363.17	1081.36	1310.80

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



1003



1015



1016



1058



1177



1242



1267



1271



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1070.87	1359.15	1111.12	1411.52
C	Passage	987.31	1275.58	1027.56	1327.96
H	Entrance	1140.21	1428.49	1180.46	1480.86



1093



1106



1144



1176



EGR-FL



EGR-RA



EGC

	6204	6205	6204	6205	6204	6205
A	1070.87	1359.15	1111.12	1411.52	1070.87	1359.15
C	987.31	1275.58	1027.56	1327.96	987.31	1275.58
H	1140.21	1428.49	1180.46	1480.86	1140.21	1428.49

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



1183



1244



1251



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1217.01	1501.94	1257.26	1554.31
C	Passage	1133.44	1418.37	1173.69	1470.75
H	Entrance	1286.35	1571.28	1326.60	1623.65



1053



1088



1119



EGR-FL



EGR-RA



EGC

	6204	6205	6204	6205	6204	6205
A	1217.01	1501.94	1257.26	1554.31	1217.01	1501.94
C	1133.44	1418.37	1173.69	1470.75	1133.44	1418.37
H	1286.35	1571.28	1326.60	1623.65	1286.35	1571.28

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



1004



1021



1074



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		6204	6205	6204	6205
A	Store Door	1365.10	1653.37	1405.35	1705.75
C	Passage	1281.53	1569.81	1321.78	1622.18
H	Entrance	1434.44	1722.71	1474.69	1775.09



EGR-FL



EGR-RA



EGC

	6204	6205	6204	6205	6204	6205
A	1365.10	1653.37	1405.35	1705.75	1365.10	1653.37
C	1281.53	1569.81	1321.78	1622.18	1281.53	1569.81
H	1434.44	1722.71	1474.69	1775.09	1434.44	1722.71

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	1518.09	1829.91	1558.34	1882.28
C	Passage	1434.53	1746.35	1474.78	1798.72
H	Entrance	1587.44	1899.25	1627.69	1951.62



EGS



EGR



EGC

Patch	Strikes Number	Description	Stainless Finishes	
			6204	6205
13	4220 04500	EGS, LH and RHR	540.33	660.77
13	4220 05500	EGS, RH and LHR	540.33	660.77
13	4223 04500	EGR, LH and RHR	530.57	648.83
13	4223 05500	EGR, RH and LHR	530.57	648.83
13	4224 04500	EGC, LH and RHR	550.10	672.70
13	4224 05500	EGC, RH and LHR	550.10	672.70



1164



EGR-FL



EGR-RA



EGC

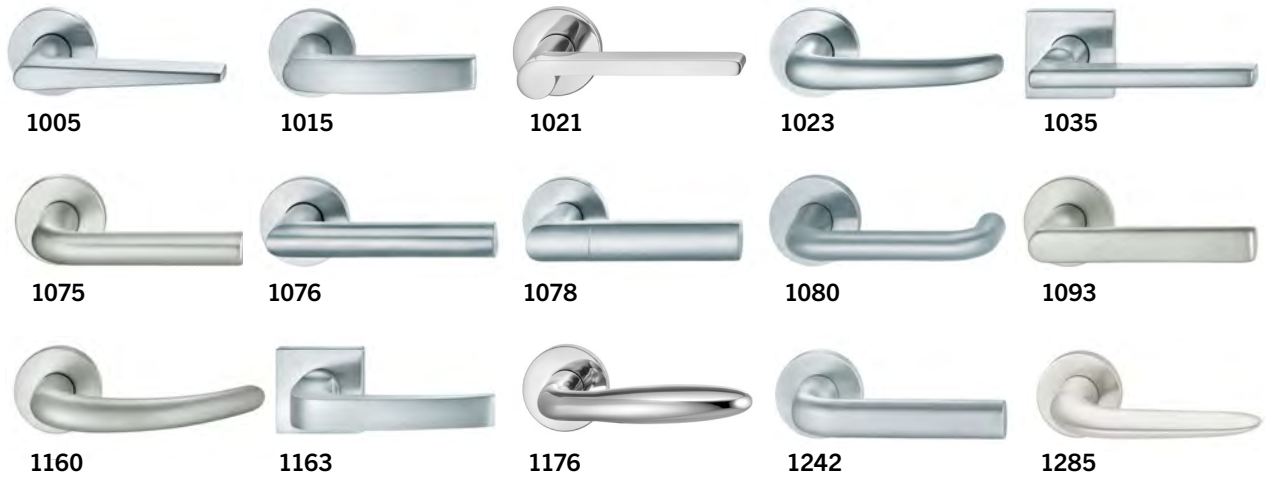
	6204	6205	6204	6205	6204	6205
A	1518.09	1829.91	1558.34	1882.28	1518.09	1829.91
C	1434.53	1746.35	1474.78	1798.72	1434.53	1746.35
H	1587.44	1899.25	1627.69	1951.62	1587.44	1899.25

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	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	812.74	1017.69	827.92	1038.99
C	Passage	729.17	934.13	744.36	955.43
H	Entrance	882.08	1087.03	897.26	1097.68

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



	EGR-FL		EGR-RA		EGC	
	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	812.74	1017.69	827.92	1038.99	812.74	1038.99
C	729.17	934.13	744.36	955.43	729.17	955.43
H	882.08	1087.03	897.26	1097.68	882.08	1097.68

Glass Door Locks

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



1001



1003



1016



1119



1164



1177



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	871.58	1100.07	886.77	1121.38
C	Passage	788.02	1016.51	803.20	1037.81
H	Entrance	940.92	1169.42	956.11	1180.07

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1031



1088



1106



1178



1241



1271



EGR-FL

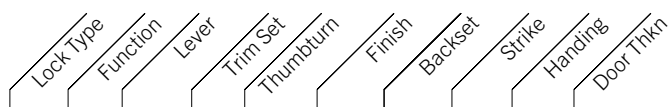


EGR-RA



EGC

	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	871.58	1100.07	886.77	1121.38	871.58	1121.38
C	788.02	1016.51	803.20	1037.81	788.02	1037.81
H	940.92	1169.42	956.11	1180.07	940.92	1180.07



EGS-H-1147-RA-S-0105-231-E1-RH-010

Example for Specifying

EGS, EGR, and EGC Series

European Glass Door Locks



1002



1004



1074



1244



1251



1267



EGS-FL



EGS-RA

Standard Functions	Function Description	EGS-FL		EGS-RA	
		0105	All Other Aluminum	0105	All Other Aluminum
A	Store Door	930.43	1135.38	945.61	1156.68
C	Passage	846.87	1051.82	862.05	1073.12
H	Entrance	999.77	1204.72	1014.95	1215.37



EGS



EGR



EGC

Patch Strikes Number	Description	Aluminum Finishes		
		0105	All Other Aluminum	
13	4220 04500	EGS, LH and RHR	474.15	580.48
13	4220 05500	EGS, RH and LHR	474.15	580.48
13	4223 04500	EGR, LH and RHR	464.38	568.54
13	4223 05500	EGR, RH and LHR	464.38	568.54
13	4224 04500	EGC, LH and RHR	482.83	591.33
13	4224 05500	EGC, RH and LHR	482.83	591.33

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8

■ Aluminum Trim Pricing for 0105 and all other Aluminum Finishes



1102
Available in 0105 finish only



1134



1183



EGR-FL



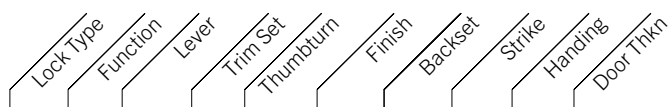
EGR-RA



EGC

	0105	All Other Aluminum	0105	All Other Aluminum	0105	All Other Aluminum
A	930.43	1135.38	945.61	1156.68	930.43	1156.68
C	846.87	1051.82	862.05	1073.12	846.87	1073.12
H	999.77	1204.72	1014.95	1215.37	999.77	1215.37

Glass Door Locks



EGS-H-1147-RA-S-0105-231-E1-RH-010

Example for Specifying



Door Pulls and Fixed Knobs

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- 481 Pull Handles
- 523 Fastening
- 533 Fixed Door Knobs
- 539 Pricing

Pulls and Fixed Knobs Overview

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


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Fixed Knobs

23 0802 
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23 0803 
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23 0804 
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23 0828 
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23 0829 
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23 0844 
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23 0873 
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23 0880 
Page 536



All details subject to modification

Material	 Stainless Steel	 Bronze	 Aluminum
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0105 (628)  0205  8120  8220

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)**,

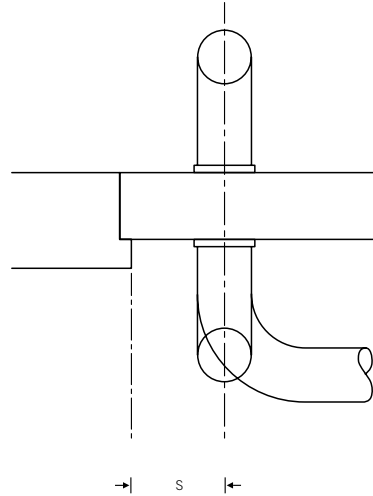
This section has the identifying letters that can be found on all relevant product pages. (Examples show fixing for tubular pulls).

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.

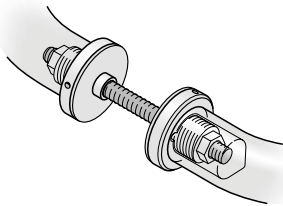
Safety Clearance (S)

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.

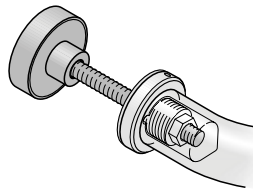
Ideally, safety clearances as recommended by FSB should be adhered to. Nevertheless, conditions at the point of assembly are crucial. It is particularly advisable to make use of offset pulls purpose-designed by FSB for especially narrow stiles, which sets the handle sufficiently far away from the edge.



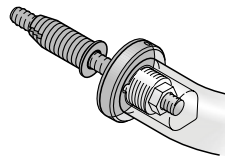
Fastening Methods



A Back-to-Back Fastening



B Through-Bolted Fastening



C Concealed Fastening with Threaded Insert (for Solid Doors)

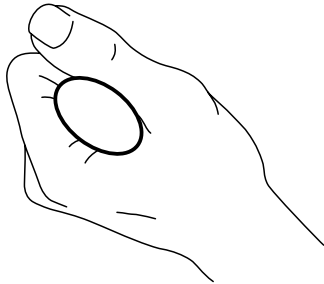
Door Pulls

Oval Series, Round Series, S-Flat Series, Rectangular 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.



S-Flat Series

The new “S-Flat” push/pull pad handle series designed by the established designer Hartmut Weise. In the best Bauhaus tradition, he opted for a geometrical approach in his concept that sees every angular handle matched by a rounded counterpart. The S-Flat handles are available in various dimensions and open or closed forms.



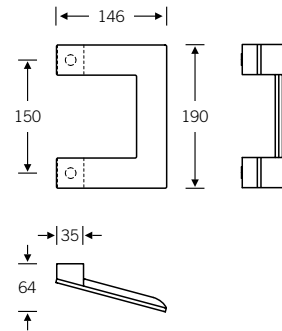
S-Flat Push and Pull Pad Handles

Rectangular

61 6187 ■

Rectangular open
Bracket powder-coated in silver grey

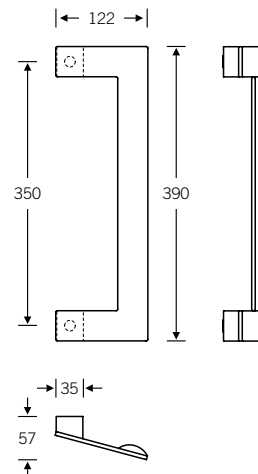
Safety clearance 45 mm
Fastening M8



61 6188 ■

Rectangular open
Bracket powder-coated in silver grey

Safety clearance 45 mm
Fastening M8



Design: Hartmut Weise

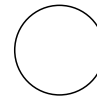
Fastening Methods (Details on page 531)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

All details subject to modification

Pull Handles

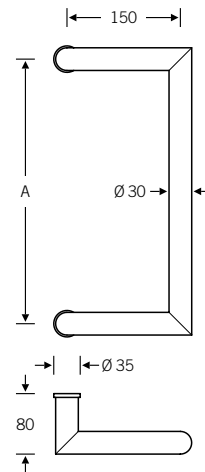
Round Series



66 6514 ■

Items number	A	Ø
66 6514 038	350	30
66 6514 045	450	30

Safety clearance S = 55 mm
Fastening M8



All details subject to modification

Door Pulls

Fastening Methods (Details on page 527 and 528)

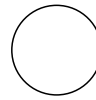
A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

Round Series

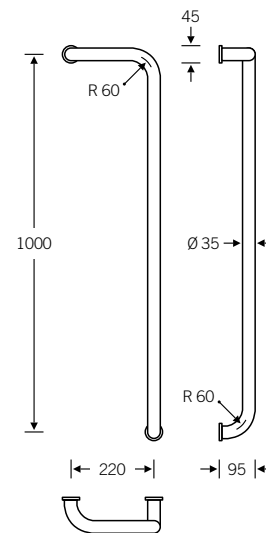
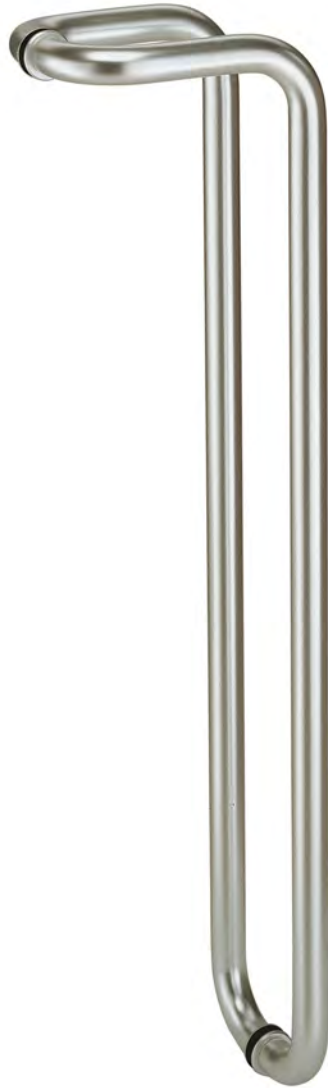


66 6506 

66 6506 065 (RH)
66 6506 075 (LH)

Handle cross-section \varnothing 35 mm
Safety clearance $S = 47$ mm
Fastening M8

Illustration: right hand, outside view



All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles Round Series

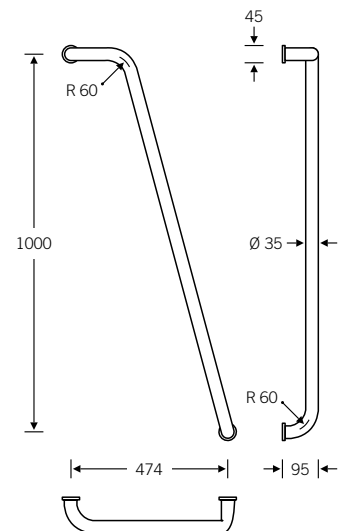


66 6507 

66 6507 065 (RH)
66 6507 075 (LH)

Handle cross-section \varnothing 35 mm
Safety clearance $S = 47$ mm
Fastening M8

Illustration: right hand, outside view



All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

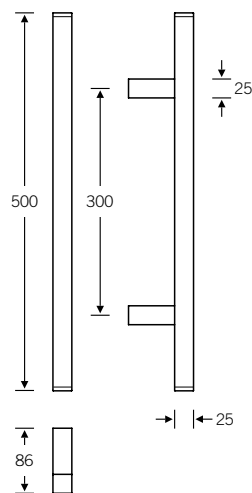
Square Series



66 6519 ■

Handle cross-section □ 25 × 25 mm
Safety clearance S = 53 mm
Fastening M8

Standard length 500 mm
(also available in special lengths, please
see order form page 488)



All details subject to modification

Fastening Methods (Details on page 531)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

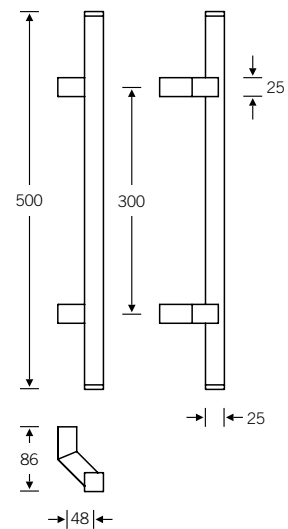
Square Series



66 6520 ■

Handle cross-section $\square 25 \times 25$ mm
 Safety clearance $S = 46$ mm
 Fastening M8

Standard length 500 mm
 (also available in special lengths, please see order form page 488)



All details subject to modification

Door Pulls

Fastening Methods (Details on page 531)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Straight Series

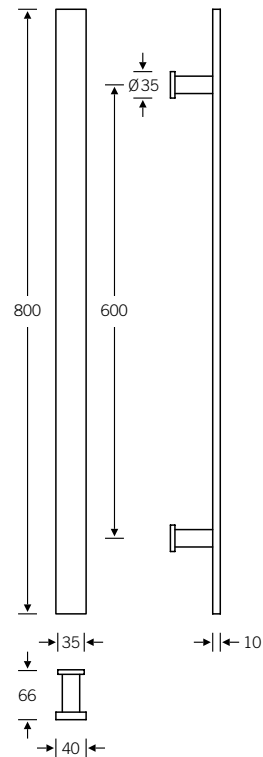


66 6548 ■

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 488)



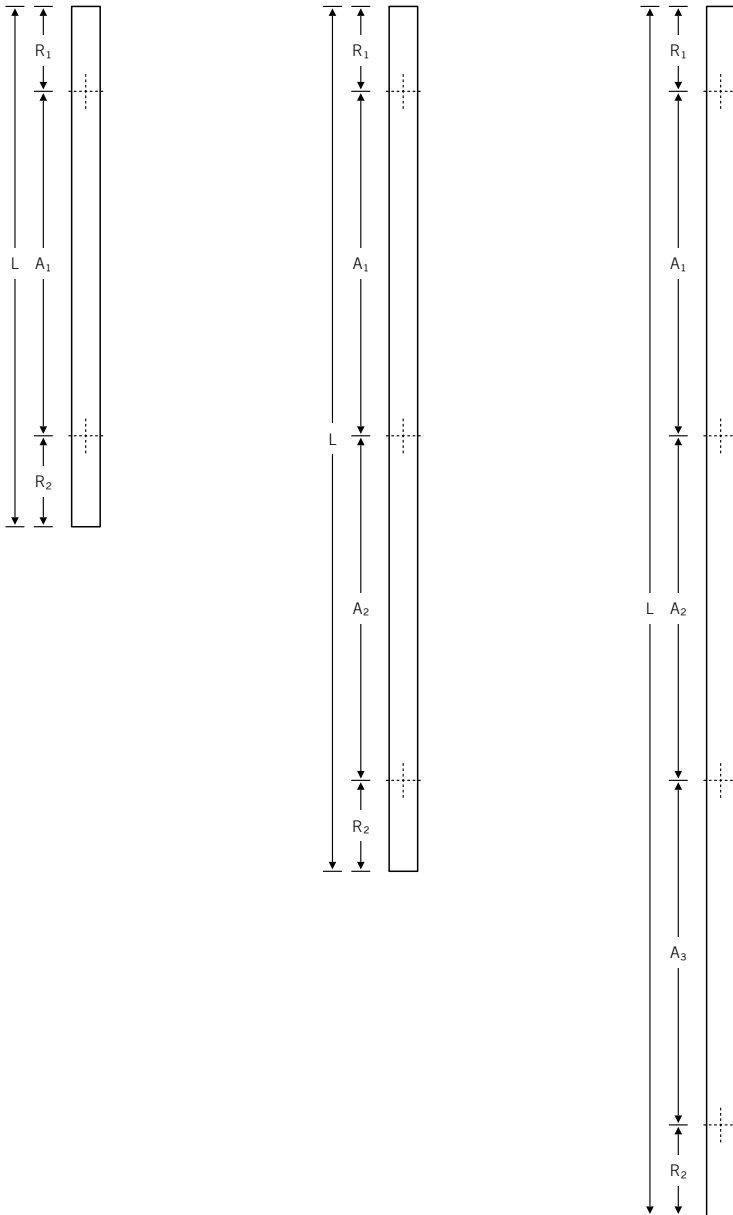
All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Order Form

Pull Handles 6519, 6520 and 6548



Please use a copy of this page to order the door handle series 6519, 6520 and 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 6519 99 (□ 25 × 25 mm)



66 6520 99 (□ 25 × 25 mm)



To ensure stability, the support distance (A) should not exceed 1200 mm.

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

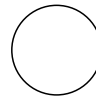
Quantity	Overall length	Support distance			End support distance*		Fastening type
	L	A ₁	A ₂	A ₃	R ₁	R ₂	

* min. 30 mm, max. 350 mm for 6519, 6520

* min. 30 mm, max. 250 mm for 6548

Pull Handles

Round Series



66 6526



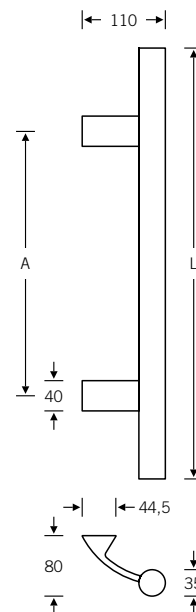
FSB has supplemented its proven and long-successful in-line pull series in aluminum and stainless steel with a particularly safe-to-grip design featuring heavily offset fastening points on which the ends of brackets are incorporated into the pull section. The in-line pull sections are supplied with a diameter of 35 mm in either aluminum or stainless steel. The brackets are made of aluminum and anodized in the metal's natural color.

The standard version has an A dimension of 350 mm and a length of 570 mm. Other center-to-center dimensions and lengths are available.

Maximum length for dark anodized aluminum finishes is 1000 mm.

Fastening M8

Item Number	A	L	Ø
66 6526 3594	350	570	35
66 6526 4594	450	670	35



All details subject to modification

Fastening Methods (Details on page 531)

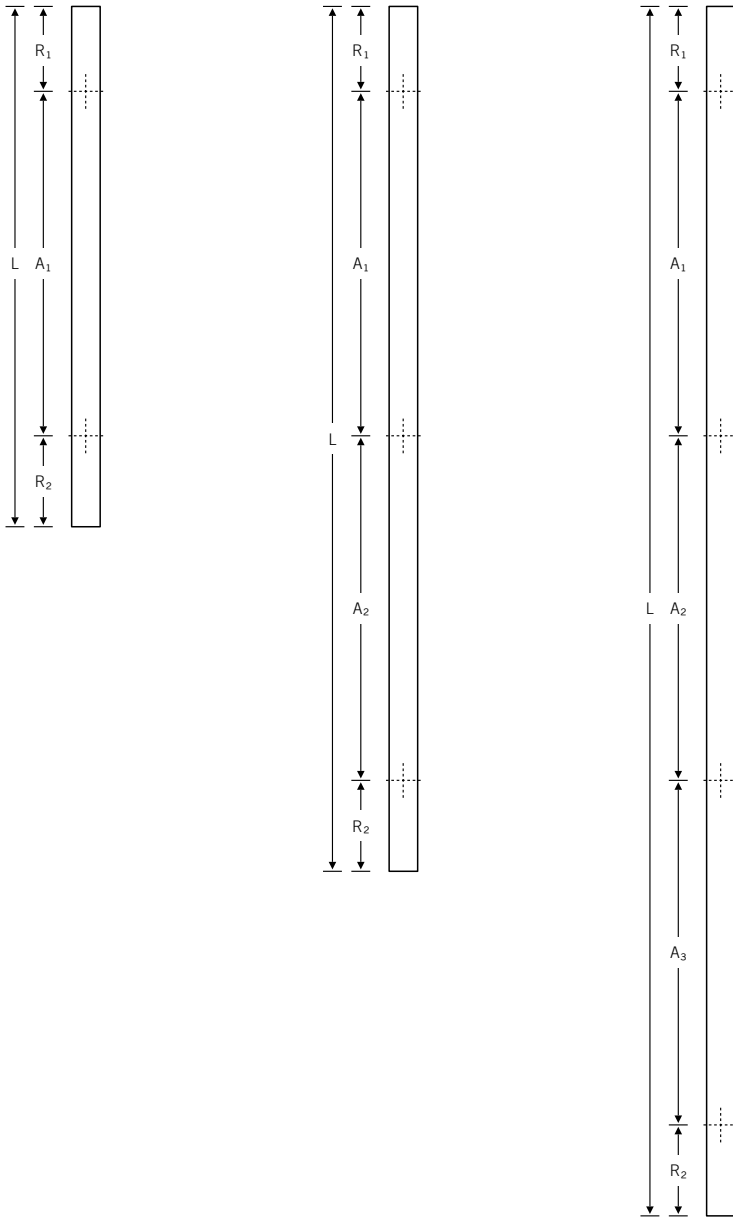
A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Order Form

Pull Handle 6526



Please use a copy of this page to order the door handle series 6526 in variable lengths.

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 6526 99 (Ø 35 mm)



To ensure stability, the support distance (A) should not exceed 1200 mm.

All details subject to modification

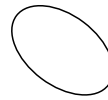
Send custom lengths to FSB for pricing

Quantity	Overall length	Support distance			End support distance*		Fastening type
	L	A ₁	A ₂	A ₃	R ₁	R ₂	

* min. 40 mm, max. 350 mm

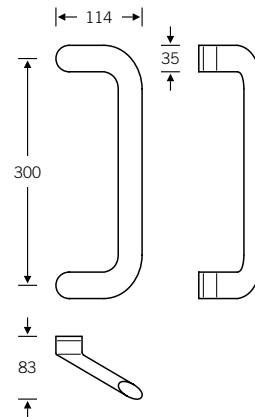
Pull Handles

Oval Series



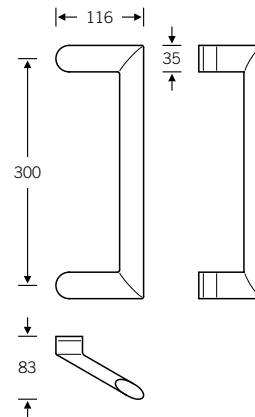
66 6533 ■

Handle cross-section $\varnothing 35 \times 17.5$ mm
Fastening M8



66 6535 ■ ■

Handle cross-section $\varnothing 35 \times 17.5$ mm
Fastening M8



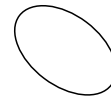
The flattened oval pull handle series 6533, 6535 and 6536 see FSB's philosophy of the ovally gripping hand and the diagonal moving arm put to effect in telling manner. The circular fastening section has been shortened and the grip tilted towards the


user by dint of a flattened oval cross-section. The hand therefore enjoys optimum clearance while, stylistically, these airy, elegant handles display a decidedly architectural dimension.

Guaranteeing FSB's usual production excellence is an innovative internal high-pressure metal forming process for the stainless steel variant.

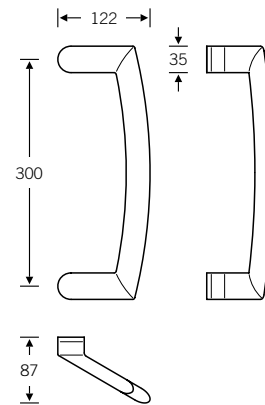
Pull Handles

Oval Series



66 6536 

Handle cross-section $\varnothing 35 \times 17.5$ mm
Fastening M8



All details subject to modification

Door Pulls

Design: Hartmut Weise

Fastening Methods (Details on page 527 and 528)

A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

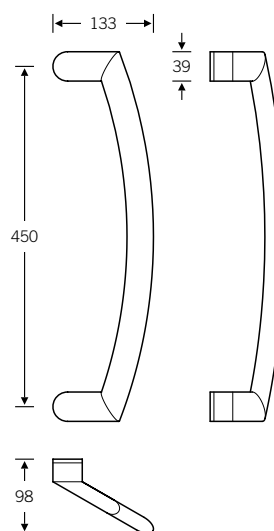
Pull Handles

Oval Series



66 6537 ■

Handle cross-section $\varnothing 39 \times 20$ mm
Fastening M8



All details subject to modification

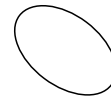
Design: Hartmut Weise


Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

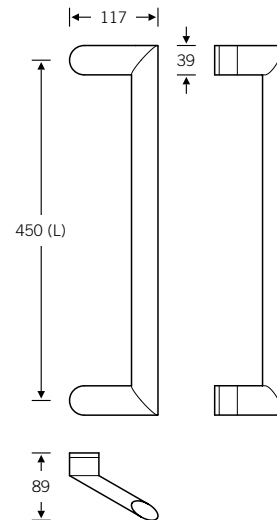
Oval Series



66 6538 

Handle cross-section $\varnothing 39 \times 20$ mm
Fastening M8

Special lengths up to 1200 mm are available in stainless steel.
Order 6538 099 and the length (L) in parenthesis.



All details subject to modification

Design: Hartmut Weise

Fastening Methods (Details on page 527 and 528)

A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

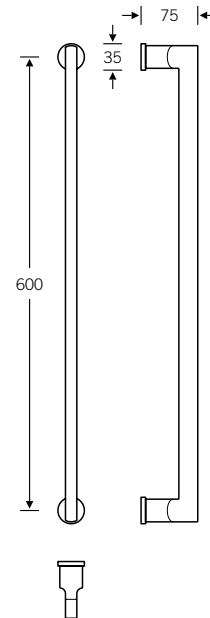
Rectangular Series



66 6540 ■

Matches FSB lever handle model 1035.

Safety clearance S = 45 mm



All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

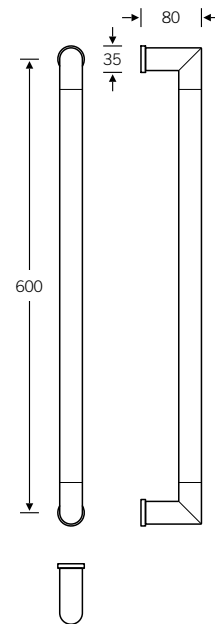
Pull Handles Round Series



66 6541

Matches FSB lever handle model 1077.
Grip Stainless Steel, Corners Aluminum

Safety clearance S = 51 mm



All details subject to modification

Door Pulls

Fastening Methods (Details on page 527 and 528)

A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

Round Series

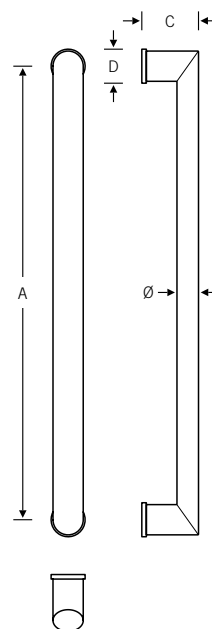


66 6542 ■

Item number	A	Ø	C	D	S
66 6542 030	300	30 × 15	60	35	48
66 6542 060	600	40 × 28	75	45	55

Matches FSB lever handle models 1107/1108.

Safety clearance S = 51 mm



All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

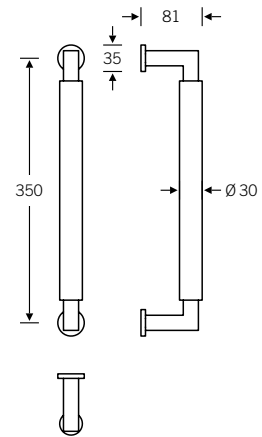
Pull Handles Round Series



66 6546 ■

Matches FSB lever handle model 1102.
Available length up to 1200 mm.

Safety clearance $S = 51$ mm
Fastening M8



All details subject to modification

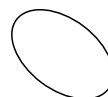
Door Pulls


Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

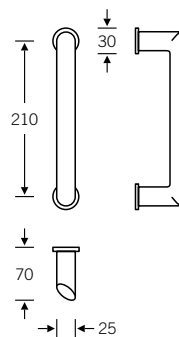
Oval Series



66 6610 

Matches FSB lever handle model 1025.

Safety clearance S = 45 mm
Fastening M6

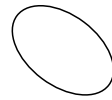


Fastening Methods (Details on page 529)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

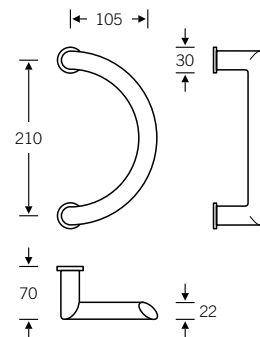
Oval Series



66 6612 ■

Matches FSB lever handle model 1026.

Safety clearance S = 48 mm
Fastening M6



All details subject to modification

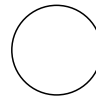
Door Pulls

Fastening Methods (Details on page 529)

- A Back-to-Back
- B Through-Bolted
- C Concealed - Threaded Insert

Pull Handles

Round Series



66 6602 

Item number	A	∅	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

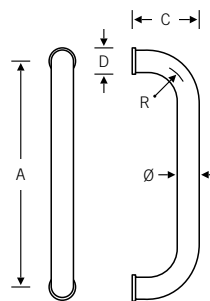


Matches FSB lever handle model 1075.

Bronze available only in ∅ 30 mm (66 6602 038)

Maximum length for dark anodized aluminum finishes is 1000 mm.

Fastening: ∅ = 20 mm M6
∅ ≥ 25 mm M8



All details subject to modification


Fastening Methods (Details on page 527 and 528)

- 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 6606 038	350	25	75	35	50
66 6669 038	350	30	80	35	55
66 6669 099	Special length 30				

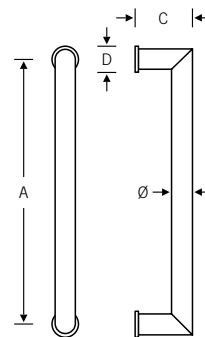


Matches FSB lever handle model 1076.

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



All details subject to modification

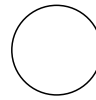
Door Pulls

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Round Series



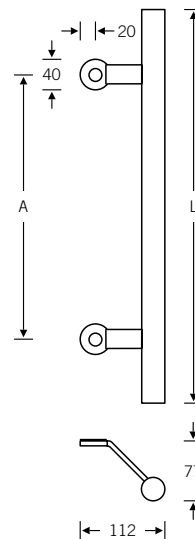
66 6615 ■

Item number	A	Ø	L
66 6615 035	350	30	550
66 6615 045	450	30	650
66 6615 099	451-2100	30	650



In door pull series FSB 6615 (Ø 30 mm), fixing is by means of laterally offset strap-type brackets. The fastening and gripping sides are separated from one another and hence protect hands. The innovative combination of fastening strap and pull lends the design an airy, vivacious appearance.

Special lengths are available per the chart above. Order 6615 099 and add distance (A) in parenthesis. FSB recommends a support distance (A) of max. 1200 mm.



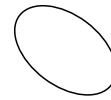
Fastening Methods (Details on page 530)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

All details subject to modification

Pull Handles

Oval Series



66 6616 ■

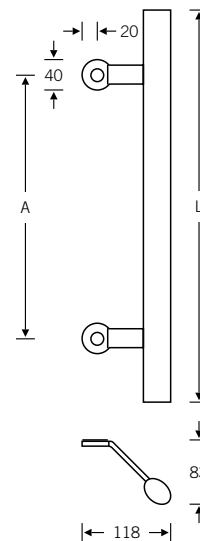
Item number	A	Ø	L
66 6616 035	350	40 × 28	550
66 6616 045	450	40 × 28	650
66 6616 099	451–2100	40 × 28	650



In door pull series FSB 6616 (Ø 40 × 28 mm), fastening is by means of laterally offset strap-type brackets. The fastening and gripping sides are separated from one another and hence protect hands. The innovative combination of fastening strap and pull lends the design an airy, vivacious appearance.

Special lengths are available per the chart above. Order 6616 099 and add distance (A) in parenthesis. FSB recommends a support distance (A) of max. 1200 mm.

All details subject to modification



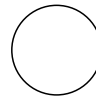
Fastening Methods (Details on page 530)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Door Pulls

Pull Handles

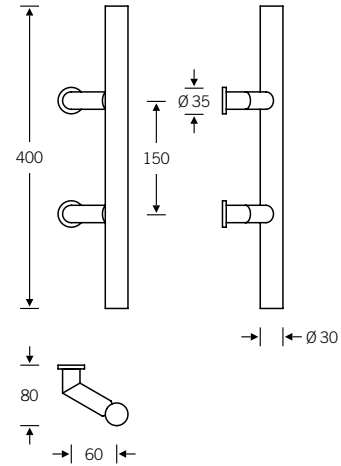
Round Series



66 6630 ■

Handle cross-section \varnothing 30 mm
Fastening M8

Standard length 400 mm

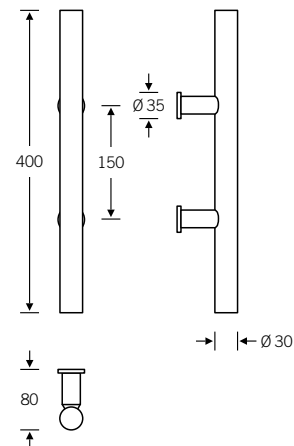


66 6681 ■ ■ ■

Handle cross-section \varnothing 30 mm
Safety clearance $S = 38$ mm
Fastening M8

Standard length 400 mm

Bronze available only in \varnothing 30 mm



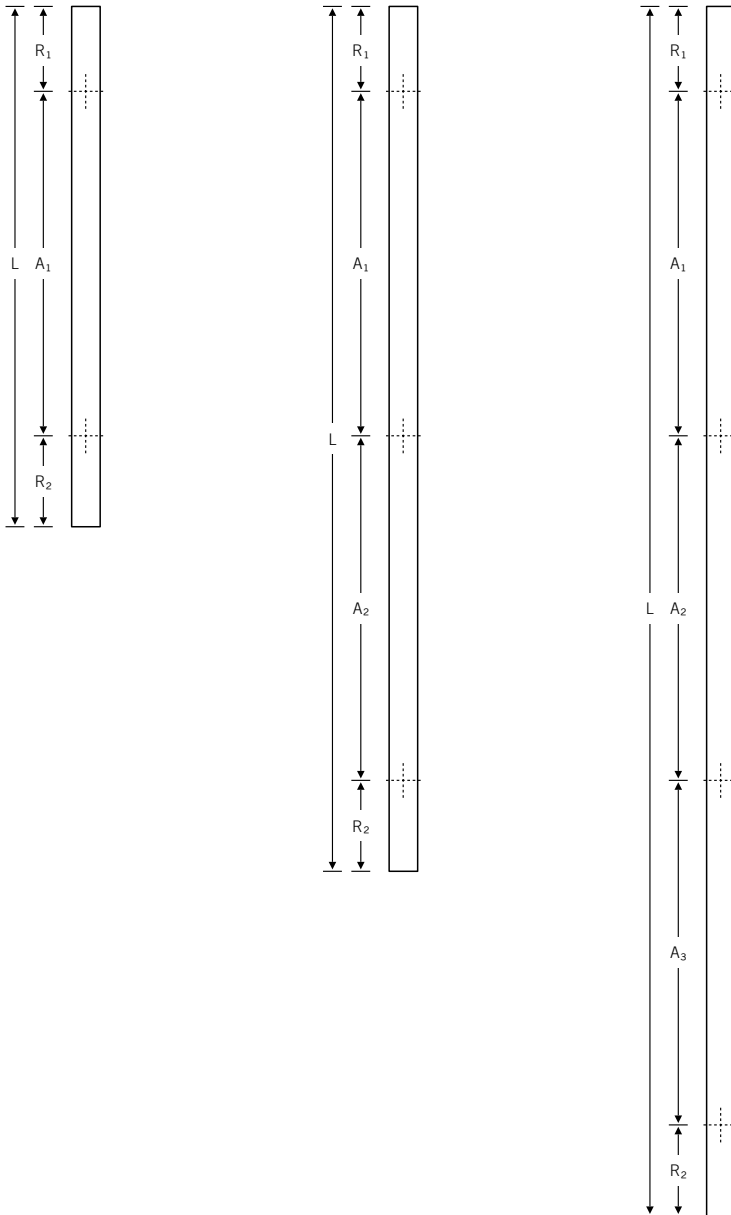
All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

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 6531 99 (Ø 35 mm)
- 66 6532 99 (Ø 40 mm)



- 66 6580 99 (Ø 25 mm)
- 66 6681 99 (Ø 30 mm)
- 66 6582 99 (Ø 35 mm)
- 66 6583 99 (Ø 40 mm)



All details subject to modification

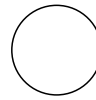
Send custom lengths to FSB for pricing


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

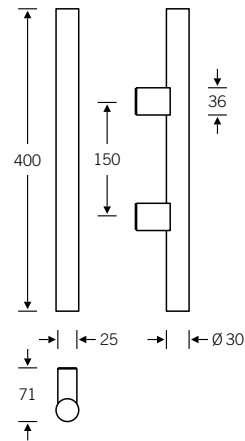



66 6642 



Handle cross-section \varnothing 30 mm
 Safety clearance $S = 38$ mm
 Fastening M6

Standard length 400 mm.
 Maximum length for dark anodized aluminum finishes is 1000 mm.

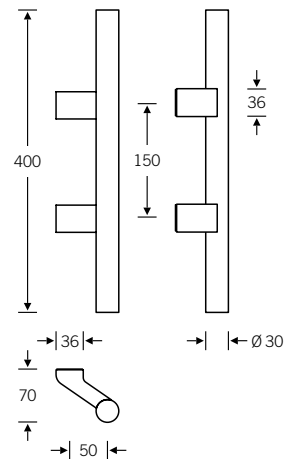


66 6643 



Handle cross-section \varnothing 30 mm
 Fastening M6

Standard length 400 mm.
 Maximum length for dark anodized aluminum finishes is 1000 mm.



Brackets: Aluminum Natural Color Anodized
 Grip: Aluminum or Stainless Steel

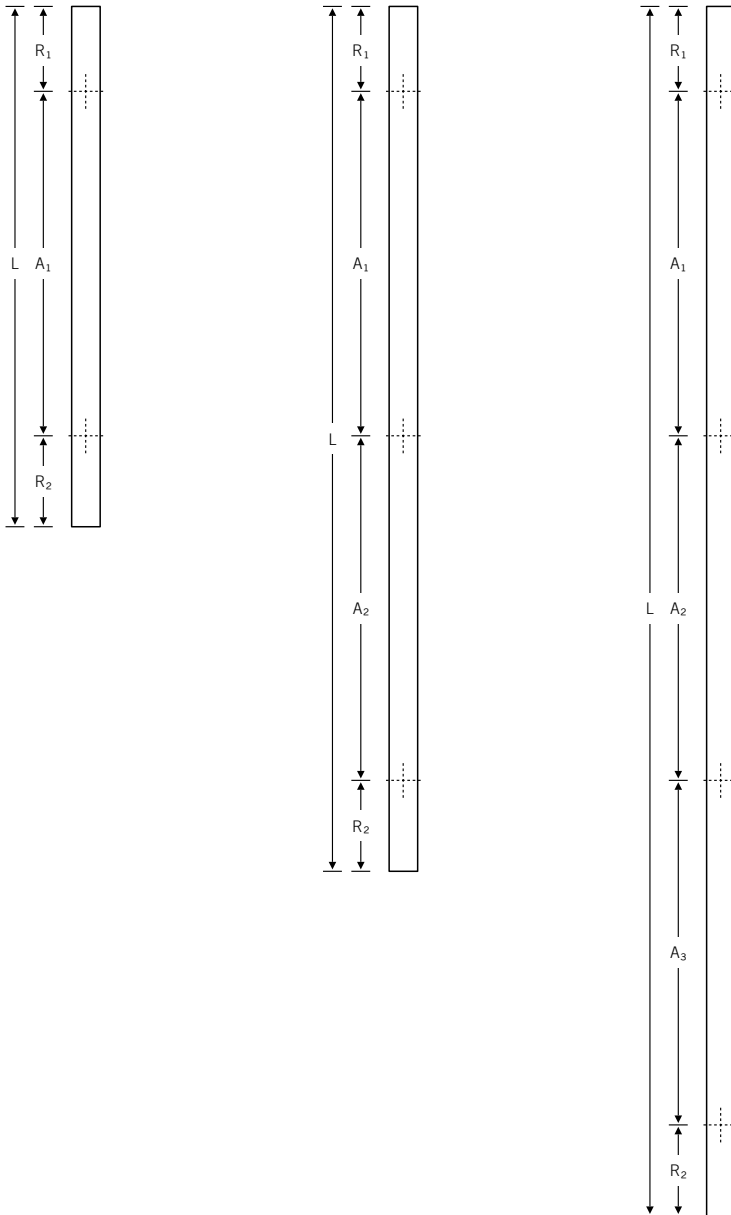
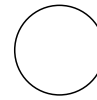
Fastening Methods (Details on page 532)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

All details subject to modification

Order Form

Pull Handles 6642 and 6643



To order custom designs in the pull handle series 6642 or 6643, 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 6642 99 (Ø 30 mm)



66 6643 99 (Ø 30 mm)



All details subject to modification

Send custom lengths to FSB for pricing

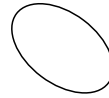
Quantity	Overall length	Support distance			End support distance*		Fastening type
	L	A ₁	A ₂	A ₃	R ₁	R ₂	

* min. 40 mm, max. 350 mm

Door Pulls

Pull Handles

Oval Series



66 6635 ■

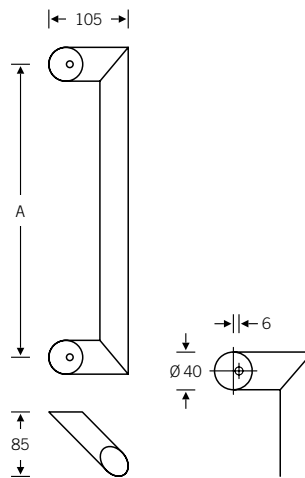
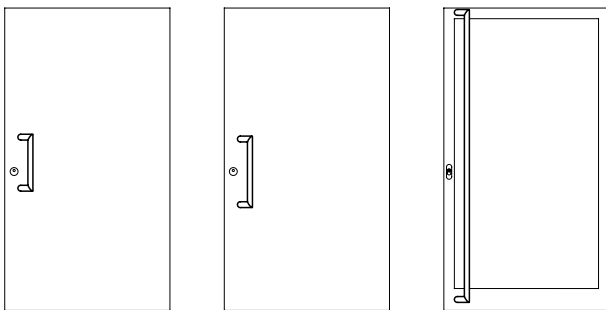
Item number	A	Ø
66 6635 038	350	40 × 28
66 6635 045	450	40 × 28
66 6635 099	451–2100	40 × 28



The door handle design FSB 66 6635 was the first product in FSB's oval series. A comfortable oval tube (Ø 40 × 28 mm) is to be aligned ergonomically so that the hand can grip safely and efficiently. This aim was achieved by mitre welding the handle and support at a 90° angle. This provided a counterpoint to the soft bends of the handle design in round tubes.

Special lengths are available per the chart above. Order 6635 099 and add distance (A) in parenthesis.

Fastening M8



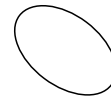
All details subject to modification

Fastening Methods (Details on page 526)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Oval Series



66 6650 ■

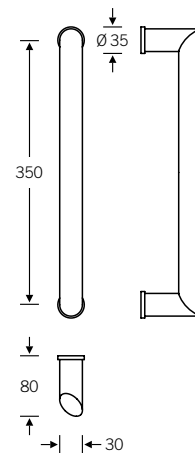


Item number	A	Ø
66 6650 038	350	36 × 22
66 6650 099	351–1500	36 × 22

FSB could not resist squeezing all the experience gained in fashioning the 40 × 28 mm oval tube into a smaller diameter. And thus it was that the standard in-line pull FSB 6650 came into being. It features a skewed oval grip 36 by 22 mm in diameter affixed to circular supports.

Special lengths are available per the chart above. Order 6650 099 and add distance (A) in parenthesis.

Safety clearance S = 49 mm
Fastening M8



All details subject to modification

Door Pulls

Fastening Methods (Details on page 527 and 528)

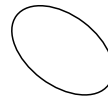
A Back-to-Back

B Through-Bolted

C Concealed - Threaded Insert

Pull Handles

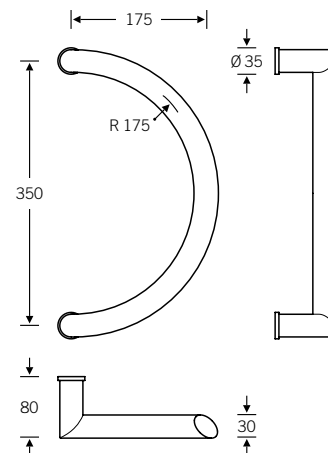
Oval Series



66 6652 ■

Handle models FSB 6650 (inline), FSB 6682 (U-shape), FSB 6652 (semicircular) and FSB 6685 (triangular) are living proof that tested designs featuring new oval cross-sections have the edge over their round counterparts both optically and in terms of gripping ergonomics. The hand glides effortlessly around them.

Handle cross-section $\varnothing 36 \times 22$ mm
Safety clearance $S = 53$ mm
Fastening M8



Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

All details subject to modification

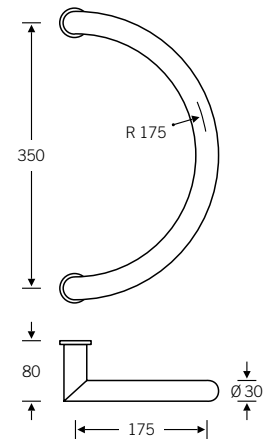
Pull Handles

Round Series



66 6653 ■

Handle cross-section \varnothing 30 mm
Safety clearance $S = 55$ mm
Fastening M8



All details subject to modification

Door Pulls

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

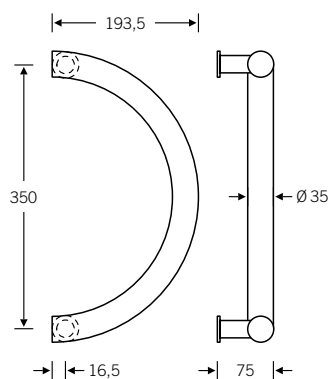
Pull Handles

Round Series



66 6655 ■

Handle cross-section \varnothing 35 mm
Safety clearance S = 55 mm
Fastening M8



All details subject to modification


Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Round Series



66 6662 



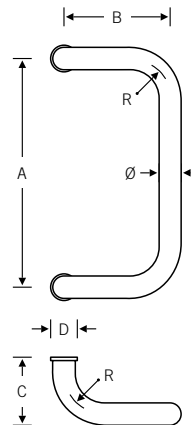
Item number	A	Ø	R	B	C	D	S
66 6661 034*	200	25	40	100	80	35	42
66 6661 037*	300	25	40	100	80	35	42
66 6661 038*	350	25	40	100	80	35	42
66 6662 038	350	30	55	140	90	35	43
66 6663 038*	350	35	60	140	95	45	45
66 6661 099*	200-1200	25	40	100	80	35	42
66 6662 099	300-1200	30	55	140	90	35	43
66 6663 099*	300-1200	35	60	140	95	45	45

* Stainless Steel Only
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 6661, 6662, 6663 099 and add length (A)
in parenthesis.

Maximum length for dark anodized aluminum
finishes is 1000 mm.



All details subject to modification

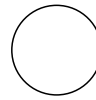
Door Pulls

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Round Series

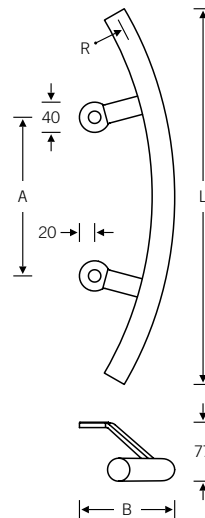


66 6674 ■

Item number	A	Ø	R	B	L
66 6674 021	210	30	485	126	497
66 6674 035	350	30	1420	123	742

Door pull FSB 6674 takes the offset strap-type brackets from the FSB 6615 series and fuses these with the sweep of the crescent-shaped round pull (Ø 30 mm).

This pull series is only supplied with A dimensions of 210 mm and 350 mm.



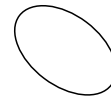
All details subject to modification

Fastening Methods (Details on page 530)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Oval Series

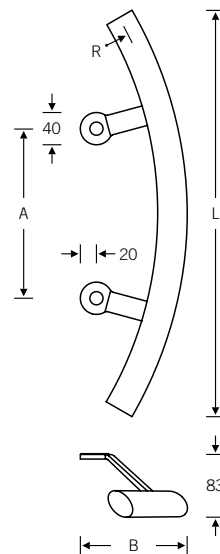


66 6675 ■

Item number	A	Ø	R	B	L
66 6675 021	210	40 × 28	485	132	504
66 6675 035	350	40 × 28	1420	129	745

Door pull FSB 6675 takes the offset strap-type brackets from the FSB 6616 series and fuses these with the sweep of the crescent-shaped oval pull (Ø 40 × 28 mm).

This pull series is only supplied with A Dimensions of 210 mm and 350 mm.



All details subject to modification

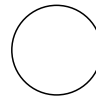
Door Pulls

Fastening Methods (Details on page 530)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Pull Handles

Round Series

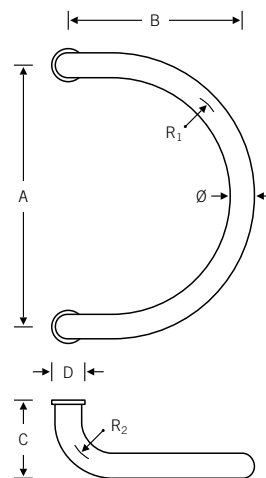


66 6683 ■

Item number	A	Ø	R1	R2	B	C	D	S
66 6673 034	200	25	100	40	140	80	35	42
66 6673 037	300	25	150	40	190	80	35	42
66 6673 038	350	25	175	40	215	80	35	42
66 6683 038	350	30	175	55	230	90	35	43
66 6659 038	350	35	175	60	235	95	45	45



Fastening: Ø = 20 mm M6
 Ø ≥ 25 mm M8



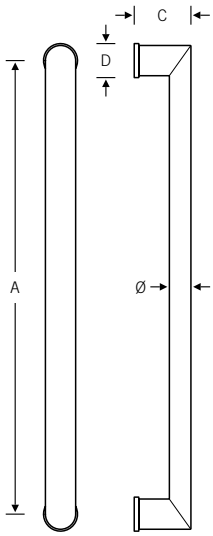
All details subject to modification

Fastening Methods (Details on page 527 and 528)

- A** Back-to-Back
- B** Through-Bolted
- C** Concealed - Threaded Insert

Custom Length Order Form

Pull Handles 6535, 6538, 6540, 6541, and 6542



To order custom lengths for pull handle designs 6535, 6538, 6540, 6542, and 6542, please use a copy of this page:

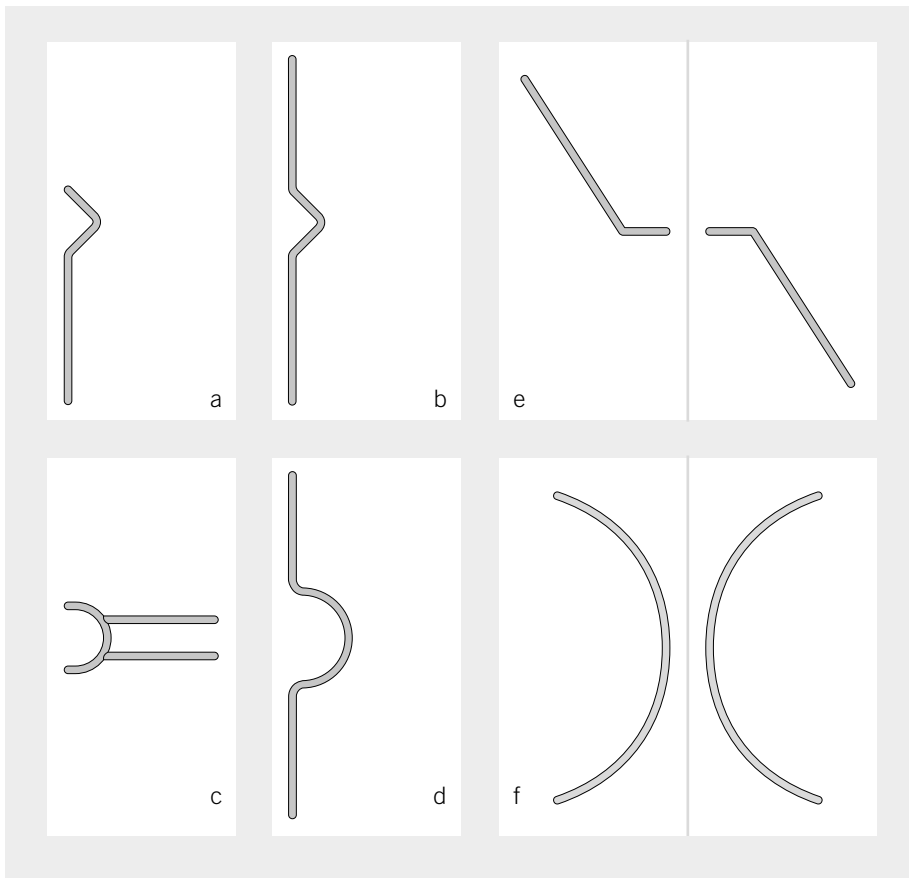
First specify the model desired citing the applicable order code above. Then enter the quantity required and center to center length (A) in the table below.

Then complete the rest of the table below using the specific dimension options found on the individual pulls catalog page from each pull design.

Send custom lengths to FSB for pricing

Quantity	Center to Center Length (A)	Grip Diameter (Ø)	Neck Length (C)	Mount Point Diameter (D)	Fastening Method

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.

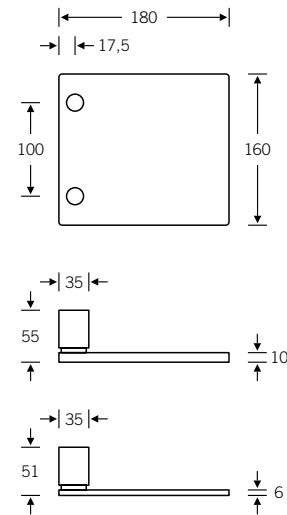
Door Pulls

Push and Pull Pad Handles

61 6108 ■

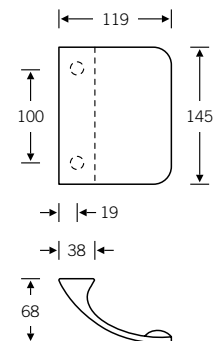
Aluminum bracket | Stainless steel pad

Safety clearance 45 mm
Fastening M8



61 6112 ■

Fastening M6



For detailed information on fastening,
please turn to page 531 and 532.

All details subject to modification

Push and Pull Pad Handles

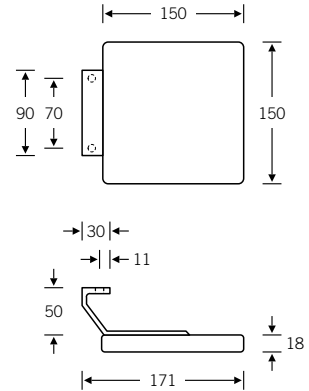
61 6184



Plastic-pad, black

Safety clearance 45 mm

Screw hole \varnothing 8.5 mm
Fastening M8



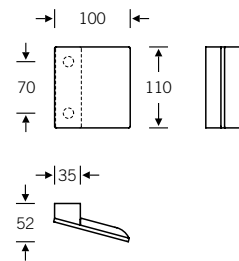
61 6186



S-Flat Series

Bracket powder-coated in silver grey

Safety clearance 45 mm
Fastening M8




All details subject to modification

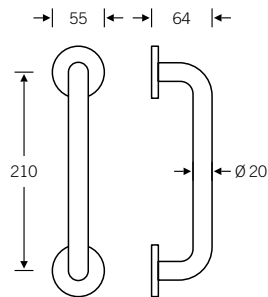
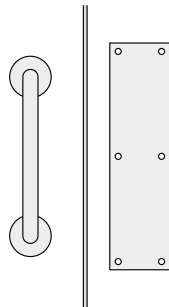
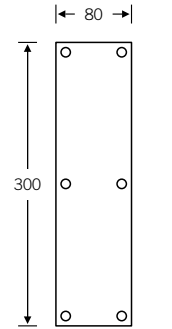
Door Pulls

For detailed information on fastening,
please turn to page 531 and 532.

Pull Handles

66 6628 | 51 5325 

Fittings feature two fixing points concealed by a clip-on cover for 66 6628

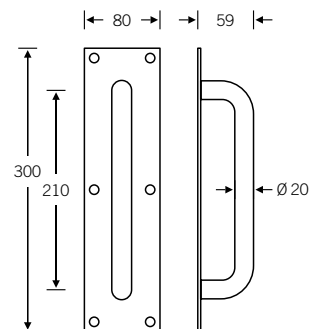
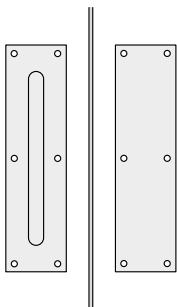
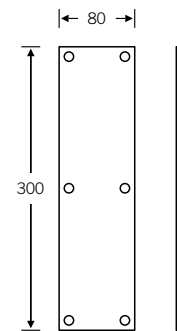


Double-action swing doors in restaurants, canteens, hospitals and so forth are generally fitted with both push and pull plates for added protection. An alternative arrangement is conceivable in the gripping area, however. Furnishing the two faces of the door with the combination shown above allows the desired direction of swing to be implied.

All details subject to modification

Pull Handles

66 6629 | 51 5325 ■



All details subject to modification

Double-action swing doors in restaurants, canteens, hospitals and so forth are generally fitted with both push and pull plates for added protection. An alternative arrangement is conceivable in the gripping area, however. Furnishing the two faces of the door with the combination shown above allows the desired direction of swing to be implied.

Boreholes for 4.0 mm countersunk screws

Door Pulls

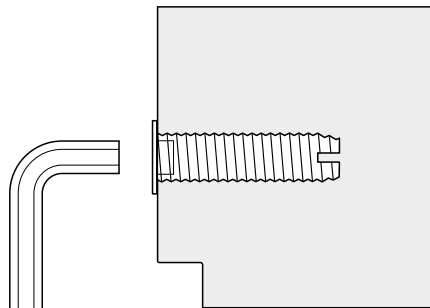
FSB Threaded Insert Fastening Method



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 15/32") long is used which requires a minimum door thickness of 40 mm (1 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 (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

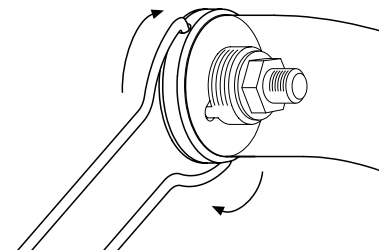
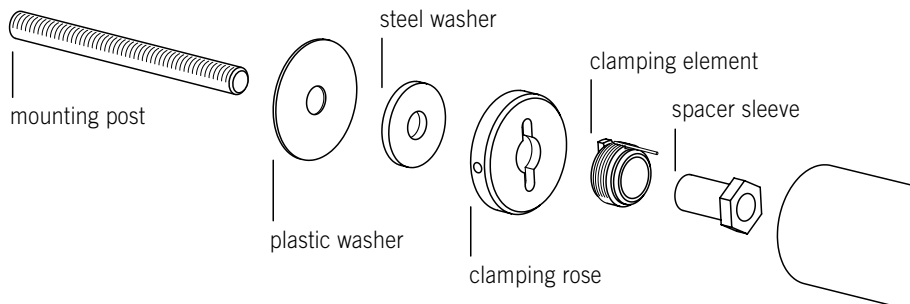


The FSB clamping rose fastening is a method of assembling door-pulls whereby the pull is tightened fast against the surface of the door. Visible fastening screws are done away with.

All door pulls with round necks are supplied as female parts with an internal left-handed thread $18 \times 1.5 \text{ mm}$ ($2\frac{3}{32} \times \frac{1}{16}$ " (M8 fastening) or $14 \times 1.5 \text{ mm}$ ($\frac{9}{16} \times \frac{1}{16}$ " (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:



All details subject to modification

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.

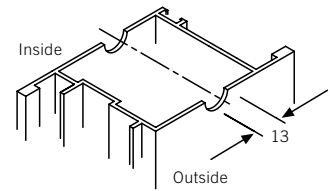
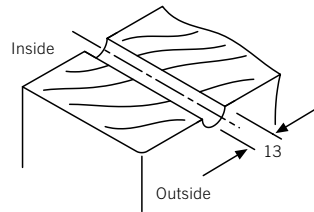
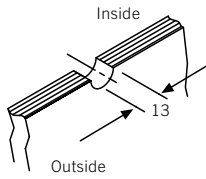
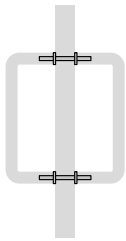
Fastening Method

Glass Door

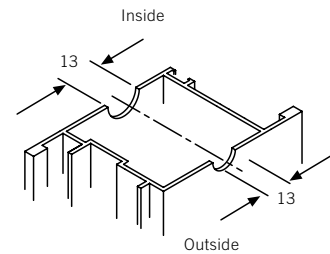
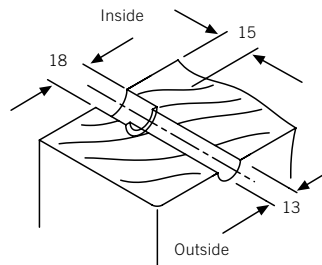
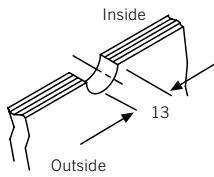
Wood Door

Metal Door

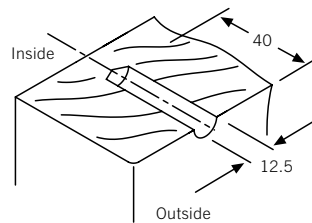
A Back-to-Back Fastening



B Through-Bolted Fastening



C Concealed Fastening with Threaded Insert



All details subject to modification

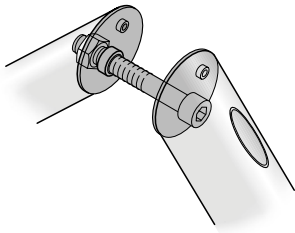
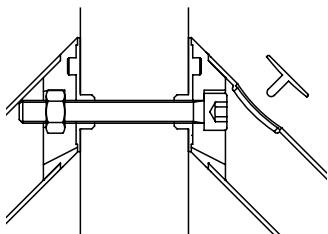
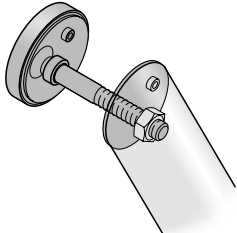
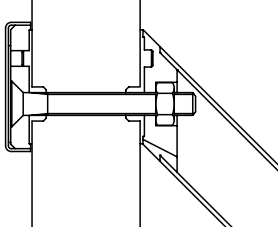
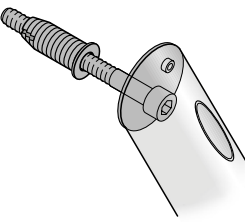
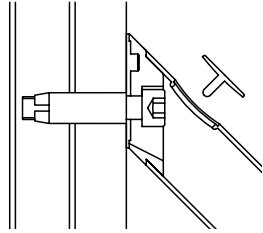
Fastening Methods

Door Pulls

Door Pull Series

66 6635

When selecting and ordering pull handles, please note that the pulls in this series are produced as threaded-part and through-bolted fastening sections.

	Fastening Method	Fastening Accessories	Item Number
	A Back-to-Back Fastening 	2 each socket head cup screws M8 4 each plastic washers 2 each lids stainless steel Borehole Ø 13 mm	05 0582 01008
			glass door 8 – 19 mm
			05 0582 03038 38 – 44 mm
			05 0582 03045 45 – 49 mm
			05 0582 03050 50 – 54 mm
			05 0582 03055 55 – 59 mm
			05 0582 03060 60 – 64 mm
			05 0582 03065 65 – 69 mm
			05 0582 03070 70 – 74 mm
			05 0582 03075 75 – 79 mm
05 0582 03080 80 – 84 mm			
	B Through-Bolted Fastening 	2 each countersunk screw M8 4 each plastic washers 2 each fastening washers with caps stainless steel Borehole Ø 13 mm	05 0582 02008
			glass door 8 – 19 mm
			05 0582 04038 38 – 44 mm
			05 0582 04045 45 – 49 mm
			05 0582 04050 50 – 54 mm
			05 0582 04055 55 – 59 mm
			05 0582 04060 60 – 64 mm
			05 0582 04065 65 – 69 mm
			05 0582 04070 70 – 74 mm
			05 0582 04075 75 – 79 mm
05 0582 04080 80 – 84 mm			
	C Concealed Fastening with Threaded Insert 	2 each socket head cup screws M8 2 each plastic washers 2 each expansion plugs brass dull nickel finish 2 each lids stainless steel Borehole Ø 12.5 mm (wood doors)	05 0582 00335
			length of dowel 34 mm

All details subject to modification

Door Pulls

Fastening Methods

Door Pulls

Pull Handle Series Round M8

66 6506, 66 6507, 66 6514,
66 6533, 66 6535, 66 6536,
66 6537, 66 6538, 66 6540,
66 6541, 66 6542,

66 6546, 66 6548, 66 6602,
66 6630, 66 6650, 66 6652,
66 6653, 66 6655, 66 6662,

66 6669, 66 6670, 66 6681,
66 6683

Fastening Method

Fastening Accessories

Item Number

A Back-to-Back Fastening

2 each set screws M8

05 0580 01008

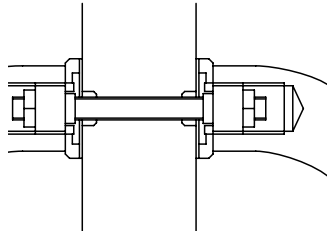
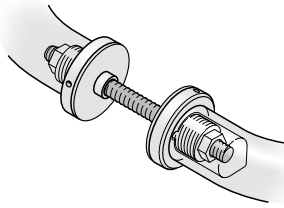
Glass door 8 – 10 mm

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 \varnothing 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

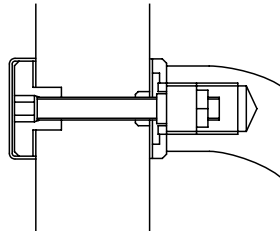
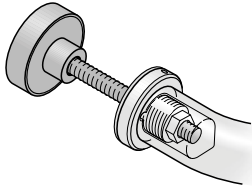
05 0580 04335 35 – 44 mm

05 0580 04345 45 – 54 mm

05 0580 04355 55 – 64 mm

05 0580 04365 65 – 74 mm

05 0580 04375 75 – 84 mm



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

Borehole \varnothing 13/18 mm,
please turn to page 525.

Fastening Methods

Door Pulls

Pull Handle Series Round M8

66 6506, 66 6507, 66 6514, 66 6533, 66 6535, 66 6536, 66 6537, 66 6538, 66 6540, 66 6541, 66 6542, 66 6546, 66 6548, 66 6602, 66 6630, 66 6650, 66 6652, 66 6653, 66 6655, 66 6662, 66 6669, 66 6670, 66 6681, 66 6683

Fastening Method

Fastening Accessories

Item Number

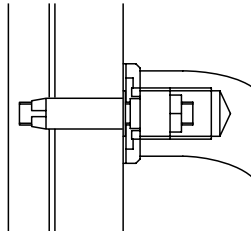
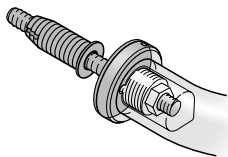
C Concealed Fastening with Threaded Insert

2 each set screws M8
2 each expansion plugs brass dull nickel finish

05 0580 00335
Length of dowel 38 mm

05 0580 00336
Length of dowel 45 mm

05 0580 00337
Length of dowel 58 mm



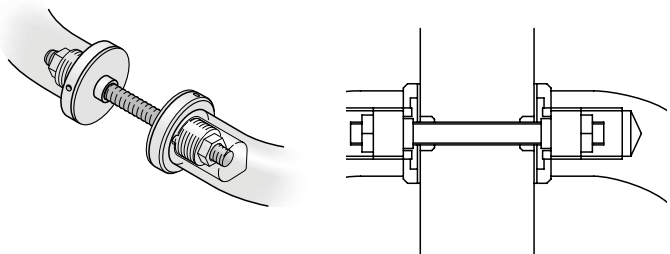
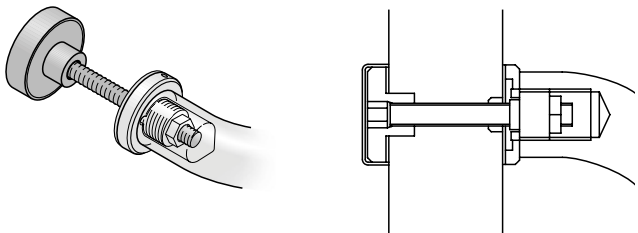
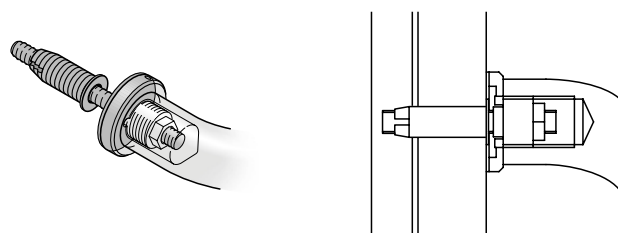
Borehole
Ø 12.5 mm (wood doors)
Ø 13 mm (metal/pvc doors)

Fastening Methods

Door Pulls

Pull Handle Series Round M6

66 6610, 66 6612

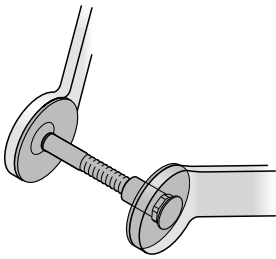
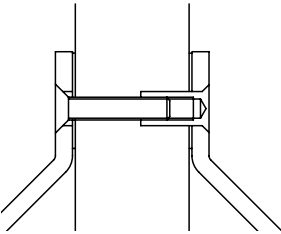
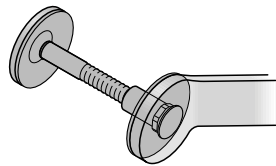
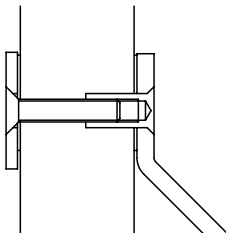
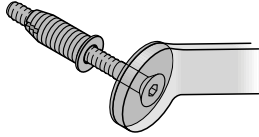
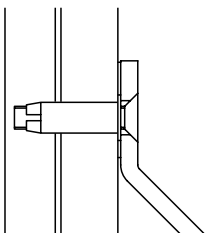
Fastening Method		Fastening Accessories	Item Number
	A Back-to-Back Fastening	2 each set screws M6	05 0580 01208 Glass door 8 – 19 mm
			05 0580 03235 35 – 54 mm 05 0580 03255 55 – 74 mm 05 0580 03275 75 – 94 mm
Borehole Ø 13 mm			
	B Through-Bolted Fastening 2 each set screws M6 2 each fastening nuts with caps	Handle diameter 20/25 mm 05 0580 02208 Glass door 8 – 19 mm	
		05 0580 04235 35 – 44 mm 05 0580 04245 45 – 54 mm 05 0580 04255 55 – 64 mm 05 0580 04265 65 – 74 mm 05 0580 04275 75 – 84 mm	
Borehole Ø 13/18 mm, please turn to page 66			
	C Concealed Fastening with Threaded Insert 2 each set screws M6 2 each expansion plugs brass dull nickel finish	05 0580 00435 Length of dowel 34 mm	
		Borehole Ø 12.5 mm (wood doors)	

Fastening Methods

Door Pulls

Pull Handle Series

66 6615, 66 6616, 66 6674,
66 6675

	Fastening Method	Fastening Accessories	Item Number	
		A Back-to-Back Fastening 2 each countersunk screws M8 with sleeve nuts M8 stainless steel 4 each plastic washers	05 0583 01008	Glass door 8 – 19 mm
			05 0583 03034 34 – 43 mm 05 0583 03044 44 – 53 mm 05 0583 03054 54 – 63 mm 05 0583 03064 64 – 73 mm 05 0583 03074 74 – 83 mm	
		Borehole Ø 13 mm		
		B Through-Bolted Fastening 2 each countersunk screws M8 with sleeve nuts M8 stainless steel 2 each washers stainless steel 4 each plastic washers	05 0583 02008	Glass door 8 – 19 mm
			05 0583 04036 36 – 45 mm 05 0583 04046 46 – 55 mm 05 0583 04056 56 – 65 mm 05 0583 04066 66 – 75 mm 05 0583 04076 76 – 85 mm	
		Borehole Ø 13 mm		
		C Concealed Fastening with Threaded Insert 2 each countersunk screws M8 stainless steel 2 each expansion plugs brass dull nickel finish 2 each plastic washers	05 0583 00335	Length of dowel 34 mm
		Borehole Ø 12.5 mm (wood doors)		

All details subject to modification

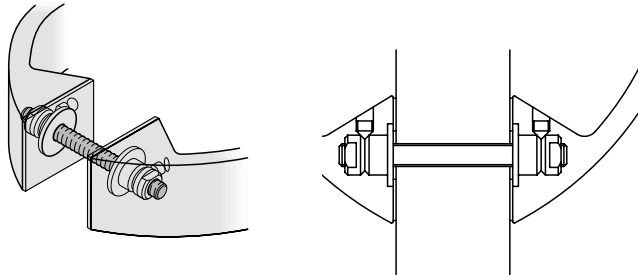
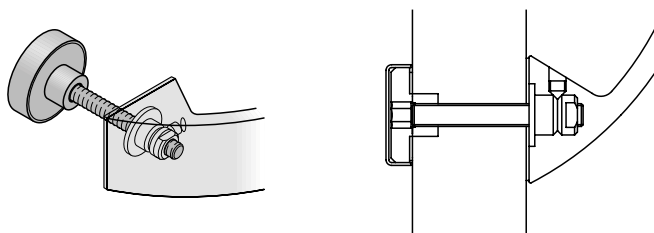
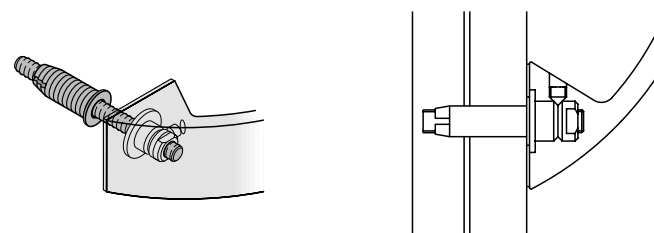
Door Pulls

Fastening Methods

Door Pulls

Pull Handle and Push and Pull Pad Handle Series

61 6108, 61 6186, 61 6187,
61 6188, 66 6519, 66 6520,
66 6526

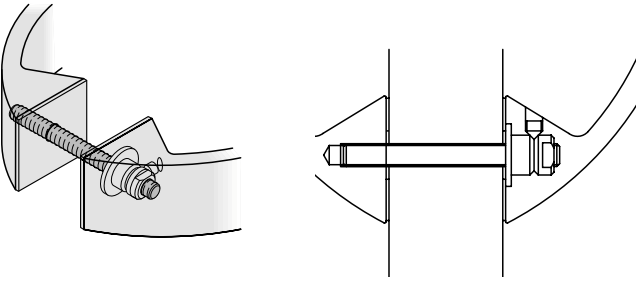
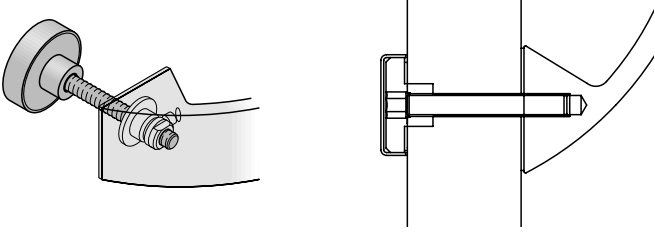
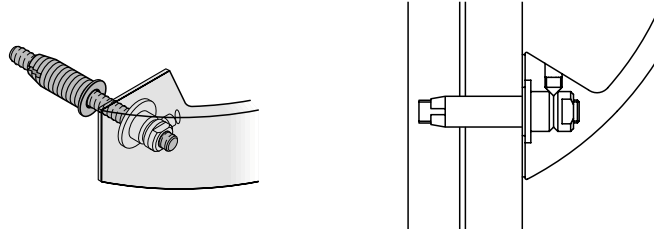
Fastening Method		Fastening Accessories	Item Number
	A Back-to-Back Fastening	2 each set screws M8	05 0587 01008 Glass door 8 – 19 mm 05 0587 03035 35 – 54 mm 05 0587 03055 55 – 74 mm 05 0587 03075 75 – 94 mm
		Borehole Ø 13 mm	
	B Through-Bolted Fastening	2 each set screws M8 2 each fastening nuts with caps	05 0587 02308 Glass door 8 – 19 mm 05 0587 04335 35 – 44 mm 05 0587 04345 45 – 54 mm 05 0587 04355 55 – 64 mm 05 0587 04365 65 – 74 mm 05 0587 04375 75 – 84 mm
		Borehole Ø 13/18 mm, please turn to page 525.	
	C Concealed Fastening with Threaded Insert	2 each set screws M8 2 each expansion plugs brass dull nickel finish	05 0587 00335 Length of dowel 34 mm
		Borehole Ø 12.5 mm (wood doors) Ø 13 mm (metal/plastic doors)	

Fastening Methods

Door Pulls

Pull Handle and Push and Pull Pad Handle Series

61 6112, 66 6642, 66 6643

	Fastening Method	Fastening Accessories	Item Number	
	A Back-to-Back Fastening	2 each set screws M6	05 0580 01208	Glass door 8 – 19 mm
			05 0580 03235	35 – 54 mm
			05 0580 03255	55 – 74 mm
			05 0580 03275	75 – 94 mm
			Borehole Ø 13 mm	
	B Through-Bolted Fastening	2 each set screws M6	05 0580 02208	
		2 each fastening nuts with caps	Glass door 8 – 19 mm	
			05 0580 04235	35 – 44 mm
			05 0580 04245	45 – 54 mm
			05 0580 04255	55 – 64 mm
			05 0580 04265	65 – 74 mm
	05 0580 04275	75 – 84 mm		
Borehole Ø 13/18 mm, please turn to page 525.				
	C Concealed Fastening with Threaded Insert	2 each set screws M6	05 0580 00435	
		2 each expansion plugs brass dull nickel finish	Length of dowel 34 mm	
Borehole Ø 12.5 mm (wood doors)				

All details subject to modification

Fixed Doorknobs

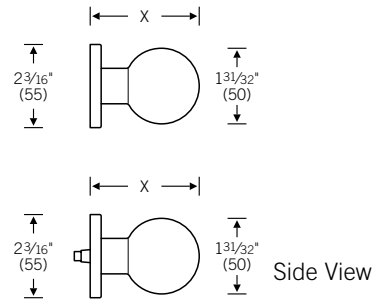
23 0802 




23 0802 00005
Concealed surface mounting

23 0802 00006
Concealed through bolting

Stainless Steel X = 73 mm
Bronze X = 72 mm
Aluminium X = 77 mm

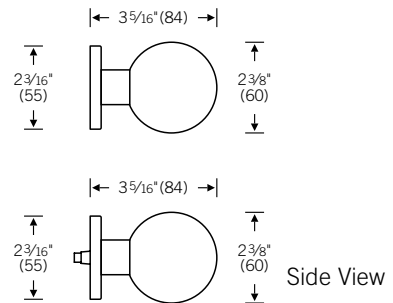


23 0803 



23 0803 00005
(concealed surface mounting)

23 0803 00006
(concealed through bolting)




c:c screw holes 1 1/2" (38 mm)

For technical and prep information
see page 537.

All details subject to modification

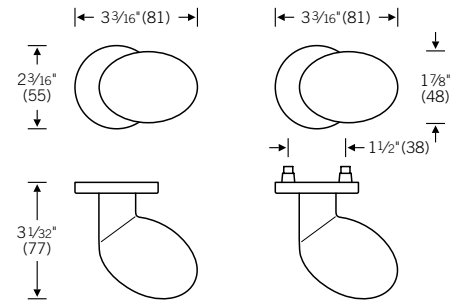
Fixed Doorknobs

23 0804 




23 0804 00005
(concealed surface mounting)

23 0804 00006
(concealed through bolting)



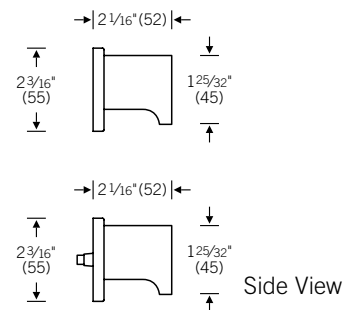
Overhead View

23 0828 



23 0828 00005
(concealed surface mounting)

23 0828 00006
(concealed through bolting)



Side View


All details subject to modification

Doorknobs

c:c screw holes 1 1/2" (38 mm)

For technical and prep information see page 537.

Fixed Doorknobs

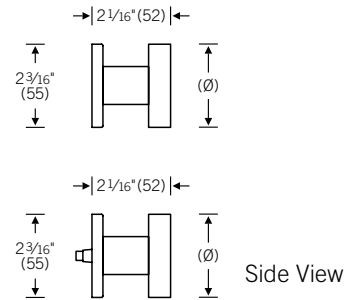
23 0829 




23 0829 00005
(concealed surface mounting)

23 0829 00006
(concealed through bolting)

Stainless Steel $\varnothing = 55$ mm
Bronze $\varnothing = 50$ mm
Aluminium $\varnothing = 50$ mm

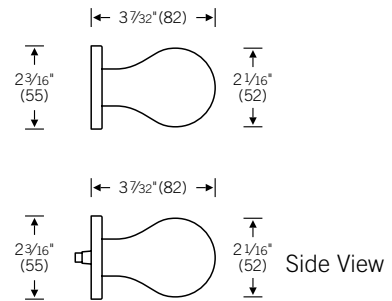


23 0844 
Design: Jasper Morrison



23 0844 00005
(concealed surface mounting)


23 0844 00006
(concealed through bolting)



c:c screw holes 1 1/2" (38 mm)

For technical and prep information see page 537.

Fixed Doorknobs

23 0873 

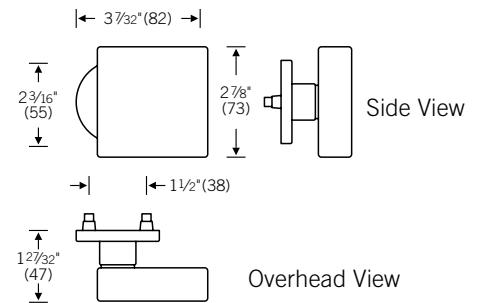
Design: Hadi Teherani




23 0873 00026
(concealed through bolting)

Aluminum only available in natural anodized finish (FSB 0105)

Owing to the large knob size, can also be used offset.



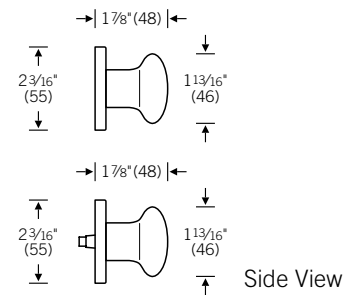
23 0880 

Design: Christoph Mäckler



23 0880 00035
(concealed surface mounting)

23 0880 00036
(concealed through bolting)



All details subject to modification

Doorknobs

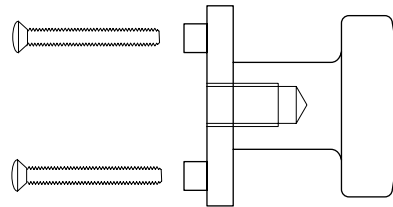
c:c screw holes 1 1/2" (38 mm)

For technical and prep information see page 537.

Technical Information

Fixed Doorknobs

Fixed Knobs Item No. 23xx

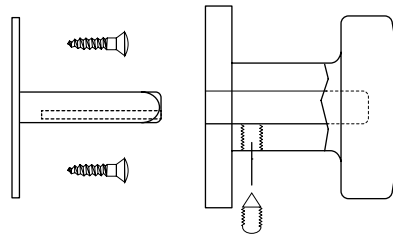


Overhead View

Where concealed through bolting is required, we supply doorknobs prepared for $\frac{3}{16}$ " (5 mm) screws and reinforced with two lugs with standard $1\frac{1}{2}$ " (38 mm) center to center. The M5 screws are $1\frac{3}{4}$ " (45 mm) in length, making them suitable for doors $1\frac{3}{8}$ " – $1\frac{3}{4}$ " (35 – 45 mm) thick. For other door thicknesses, screws of the appropriate size should be used. In this configuration, the doorknob can be fastened to an FSB lever handle on the reverse by means of an FSB half-spindle (No. 0177) screwed into the $\frac{1}{2}$ " (12 mm) threaded neck of the knob.

Fixing method # 06, 26 or 36

Fixed Knobs Item No. 23xx



Overhead View

Concealed surface mounting first involves screwing a steel base rose to the door. The dead knob is then positioned so as to precisely cover this and is secured with a punch-type screw.

Fixing method # 05 or 35



Pulls Pricing

Single Door Pulls

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Single Pull Handles	66 6506 6595	1000 mm CTC RH	1035.93	1267.16	-	-	Each
	66 6506 7595	1000 mm CTC LH	1035.93	1267.16	-	-	Each
	66 6507 6595	1000 mm CTC RH	1035.93	1267.16	-	-	Each
	66 6507 7595	1000 mm CTC LH	1035.93	1267.16	-	-	Each
	66 6514 3895	350 mm CTC	855.07	1046.23	-	-	Each
	66 6514 4595	450 mm CTC	892.85	1090.88	-	-	Each
	66 6519 3094	300 mm CTC	815.01	997.01	-	-	Each
	66 6520 3094	300 mm CTC	1363.31	1666.65	-	-	Each
	66 6526 3594	350 mm CTC	892.85	1090.88	781.81	1035.93	Each
	66 6526 4594	450 mm CTC	939.78	1149.25	835.61	1106.90	Each
	66 6533 3795	300 mm CTC	801.27	979.84	-	-	Each
	66 6535 3795	300 mm CTC	958.09	1171.00	-	-	Each
	66 6536 3795	300 mm CTC	990.14	1211.07	-	-	Each
	66 6537 4595	450 mm CTC	1081.72	1322.10	-	-	Each
	66 6538 4595	450 mm CTC	1049.67	1283.18	-	-	Each
	66 6540 6095	600 mm CTC	892.85	1090.88	-	-	Each
	66 6541 6095	600 mm CTC, SS Grip	750.91	918.03	-	-	Each
	66 6542 3095	300 mm CTC	702.83	860.80	-	-	Each
	66 6542 6095	600 mm CTC	931.77	1140.10	-	-	Each
	66 6546 3895	350 mm CTC	855.07	1046.23	-	-	Each
	66 6548 6094	600 mm CTC	1024.48	1252.27	-	-	Each
	66 6602 3895	350 mm CTC	463.59	566.61	378.89	501.37	Each
	66 6606 3895	350 mm CTC	502.51	614.69	-	-	Each
	66 6610 2185	210 mm CTC	587.22	718.86	378.89	501.37	Each
	66 6612 2185	210 mm CTC	652.46	797.84	-	-	Each
	66 6615 3590	350 mm CTC	723.43	884.83	-	-	Each
	66 6615 4590	450 mm CTC	762.35	932.91	-	-	Each
	66 6616 3590	350 mm CTC	866.52	1059.97	-	-	Each
	66 6616 4590	450 mm CTC	926.04	1132.08	-	-	Each
	66 6623 3895	350 mm CTC	619.27	756.63	-	-	Each
66 6624 3895	350 mm CTC	666.20	815.01	-	-	Each	
66 6630 0095	150 mm CTC	795.55	972.97	-	-	Each	

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8

Pulls Pricing

Single Door Pulls

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Single Pull Handles	66 6635 3888	350 mm CTC, STB	795.55	972.97	-	-	Each
	66 6635 3881	350 mm CTC, BTB	1588.81	1943.66	-	-	Pair
	66 6635 3894	350 mm CTC, SC	795.55	972.97	-	-	Each
	66 6635 4588	450 mm CTC, STB	855.07	1046.23	-	-	Each
	66 6635 4581	450 mm CTC, BTB	1707.86	2089.03	-	-	Pair
	66 6635 4594	450 mm CTC, SC	855.07	1046.23	-	-	Each
	66 6642 0090	150 mm CTC	678.79	828.74	574.63	761.21	Each
	66 6643 0090	150 mm CTC	697.11	852.78	594.09	786.39	Each
	66 6650 3895	350 mm CTC	587.22	718.86	-	-	Each
	66 6652 3895	350 mm CTC	1074.85	1314.09	-	-	Each
	66 6653 3895	350 mm CTC	1035.93	1267.16	-	-	Each
	66 6655 3895	350 mm CTC	1062.26	1299.21	-	-	Each
	66 6659 3895	350 mm CTC	926.04	1132.08	-	-	Each
	66 6661 3495	200 mm CTC	463.59	566.61	-	-	Each
	66 6661 3795	300 mm CTC	502.51	614.69	-	-	Each
	66 6661 3895	350 mm CTC	521.97	638.73	-	-	Each
	66 6662 3895	350 mm CTC	637.58	780.67	-	-	Each
	66 6663 3895	350 mm CTC	723.43	884.83	-	-	Each
	66 6669 3895	350 mm CTC	587.22	718.86	-	-	Each
	66 6670 3495	200 mm CTC	351.42	430.40	306.77	406.36	Each
	66 6670 3795	300 mm CTC	391.48	478.47	333.10	441.84	Each
	66 6670 3895	350 mm CTC	412.08	504.80	351.42	465.88	Each
	66 6673 3495	200 mm CTC	541.43	662.77	-	-	Each
	66 6673 3795	300 mm CTC	567.76	694.82	-	-	Each
	66 6673 3895	350 mm CTC	581.49	710.84	463.59	613.55	Each
	66 6674 2190	210 mm CTC	841.34	1029.06	-	-	Each
	66 6674 3590	350 mm CTC	984.42	1204.20	-	-	Each
	66 6675 2190	210 mm CTC	1017.62	1244.26	-	-	Each
	66 6675 3590	350 mm CTC	1114.91	1363.31	-	-	Each
	66 6681 0095	150 mm CTC	626.14	765.79	605.53	802.42	Each
66 6683 3895	350 mm CTC	801.27	979.84	-	-	Each	

All details subject to modification

Pulls & Knobs

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

Pulls Pricing

Single Door Pulls

	Number		Description	Bronze Finishes		Unit
				7615	7625	
Single Pull	66	6506 6595	1000 mm CTC LH	1395.36	1706.71	Each
	66	6506 7595	1000 mm CTC RH	1395.36	1706.71	Each
Handles	66	6507 6595	1000 mm CTC LH	1395.36	1706.71	Each
	66	6507 7595	1000 mm CTC RH	1395.36	1706.71	Each
	66	6535 3795	300 mm CTC	1284.33	1570.49	Each
	66	6536 3795	300 mm CTC	1328.97	1625.44	Each
	66	6538 4595	450 mm CTC	1413.67	1728.46	Each
	66	6602 3895	350 mm CTC	631.86	773.80	Each
	66	6628 0095	210 mm CTC	-	-	Each
	66	6662 3895	350 x 30 mm	984.42	1204.20	Each
	66	6669 3895	350 mm CTC	795.55	972.97	Each
	66	6681 0095	150 mm CTC, Cap 00	847.06	1035.93	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	10.30	set
	B	Through-Bolted Fastening	77.84	set
	C	Concealed Fastening (Threaded Insert)	77.84	set
66 6615, 66 6616, 66 6674, 66 6675	A	Back-to-Back Fastening	77.84	set
	B	Through-Bolted Fastening	107.60	set
	C	Concealed Fastening (Threaded Insert)	107.60	set
66 6635	A	Back-to-Back Fastening	42.35	set
	B	Through-Bolted Fastening	89.28	set
	C	Concealed Fastening (Threaded Insert)	89.28	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)

Glass Door Pulls and Accessories

	Number	Description	Stainless Steel		Aluminum		Unit	
			6204	6205	0105	All Other Alum.		
Flush Pulls for Glass Doors	13	4256 00100	Round open 8 mm	190.02	228.94	190.02	247.25	Pair
	13	4256 00200	Round open 10 mm	190.02	228.94	190.02	247.25	Pair
	13	4256 00300	Round open 12 mm	190.02	228.94	190.02	247.25	Pair
	13	4256 00101	Round closed 8 mm	223.21	267.85	223.21	290.75	Pair
	13	4256 00201	Round closed 10 mm	223.21	267.85	223.21	290.75	Pair
	13	4256 00301	Round closed 12 mm	223.21	267.85	223.21	290.75	Pair
Floor Pin	13	4230 00000	27 mm for 8 mm DT	318.22	382.32	-	-	Each
	13	4230 01000	29 mm for 10 mm DT	318.22	382.32	-	-	Each
	13	4230 01200	31 mm for 12 mm DT	318.22	382.32	-	-	Each

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8

All details subject to modification

Pulls & Knobs

Pulls Pricing

Special Pull Handles

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
S - Flat Pulls	61 6186 0094	100 x 110 mm	574.63	702.83	-	-	Each
	61 6187 0094	150 mm CTC	509.38	622.70	-	-	Each
	61 6188 0094	350 mm CTC	574.63	702.83	-	-	Each
Push and Pull Pads	61 6108 0081	180 x 160 mm	684.52	836.76	-	-	Each
	61 6112 0081	145 x 119 mm - Pair	-	-	652.46	865.37	Pair
	61 6112 0086	145 x 119 mm - Outside	-	-	327.38	433.83	Each
	61 6112 0090	145 x 119 mm - Inside	-	-	327.38	433.83	Each
	61 6184 0062	150 x 150 mm	-	-	170.56	225.50	Each
Small Pull Handles	51 5325 0000	Push Plate-oppose 6629	85.85	105.31	78.98	105.31	Each
	66 6628 0095	Handle on Roses	320.51	391.48	249.54	329.67	Each
	66 6629 0095	Handle on Escutcheon	320.51	391.48	-	-	Each

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8

Fixed Doorknobs

Fixed Door Knobs

	Number	Description	Stainless Steel		Aluminum		Unit	
			6204	6205	0105	All Other Alum.		
Fixed Knobs	23	0802 00005	Surface Mounted	227.79	279.30	111.03	146.52	Each
	23	0802 00006	Through-bolted	227.79	279.30	111.03	146.52	Each
	23	0803 00005	Surface Mounted	287.31	351.42	N/A	N/A	Each
	23	0803 00006	Through-bolted	287.31	351.42	N/A	N/A	Each
	23	0804 00005	Surface Mounted	310.21	380.03	136.22	180.86	Each
	23	0804 00006	Through-bolted	310.21	380.03	136.22	180.86	Each
	23	0826 00435	Surface Mounted, Right Hand	N/A	N/A	136.22	180.86	Each
	23	0826 00436	Through-bolted, Right Hand	N/A	N/A	136.22	180.86	Each
	23	0826 00535	Surface Mounted, Left Hand	N/A	N/A	136.22	180.86	Each
	23	0826 00536	Through-bolted, Left Hand	N/A	N/A	136.22	180.86	Each
	23	0828 00005	Surface Mounted	326.23	398.35	136.22	180.86	Each
	23	0828 00006	Through-bolted	326.23	398.35	136.22	180.86	Each
	23	0829 00005	Surface Mounted	216.34	264.42	100.73	132.78	Each
	23	0829 00006	Through-bolted	216.34	264.42	100.73	132.78	Each
	23	0844 00005	Surface Mounted	265.56	325.09	128.20	169.41	Each
	23	0844 00006	Through-bolted	265.56	325.09	128.20	169.41	Each
	23	0880 00035	Surface Mounted	227.79	279.30	100.73	132.78	Each
	23	0880 00036	Through-bolted	227.79	279.30	100.73	132.78	Each
	23	0873 00026	Through-bolted	373.16	456.73	275.87	366.30	Each

	Number	Description	Bronze Finishes		Unit	
			7615	7625		
Fixed Knobs	23	0802 00005	Surface Mounted	297.62	364.01	Each
	23	0802 00006	Through-bolted	297.62	364.01	Each
	23	0829 00005	Surface Mounted	283.88	347.98	Each
	23	0829 00006	Through-bolted	283.88	347.98	Each

Glass Door Knobs

	Number	Description	Stainless Steel		Aluminum		Unit	
			6204	6205	0105	All Other Alum.		
Fixed Knobs	23	0802 00007	Back-to-Back Knobs	567.76	694.82	373.16	494.50	Pair
	23	0828 00007	Back-to-Back Knobs	754.34	923.75	415.52	550.59	Pair
	23	0829 00007	Back-to-Back Knobs	539.14	659.33	331.96	440.70	Pair
	23	0844 00007	Back-to-Back Knobs	608.97	745.18	380.03	503.66	Pair

Anodized Aluminum

- 0105
- 0205
- 0410

- 0510
- 0710
- 0810

Powder Coated

- 8120
- 8220

Full list on page 8



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

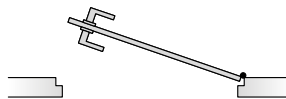
- 0000 (3 ½ × 3 ½" RH)
- 0001 (3 ½ × 3 ½" LH)
- 0002 (4 × 4" RH)
- 0003 (4 × 4" LH)
- 0004 (4 ½ × 4 ½" RH)
- 0005 (4 ½ × 4 ½" LH)
- 0006 (4 ½ × 4" RH)
- 0007 (4 ½ × 4" LH)

Three-Knuckle

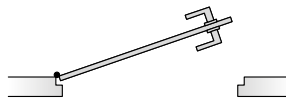
- 0050 (3 ½ × 3 ½")
- 0051 (4 × 4")
- 0052 (4 ½ × 4 ½")
- 0053 (4 ½ × 4")

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

Hinges

Two-Knuckle Hinges

Series 9101

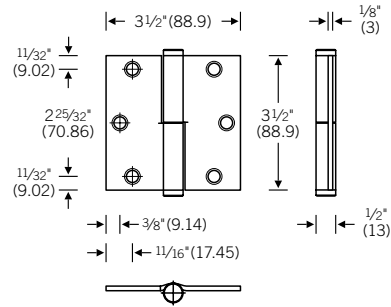
9101 0000 (RH)
9101 0001 (LH)



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



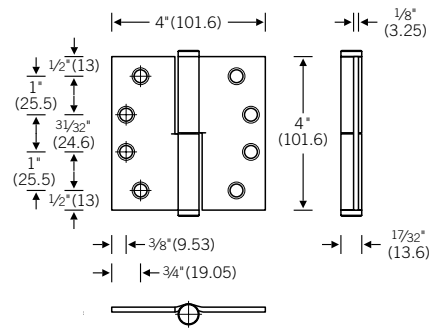
9101 0002 (RH)
9101 0003 (LH)



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 548.

All details subject to modification

Two-Knuckle Hinges

Series 9101

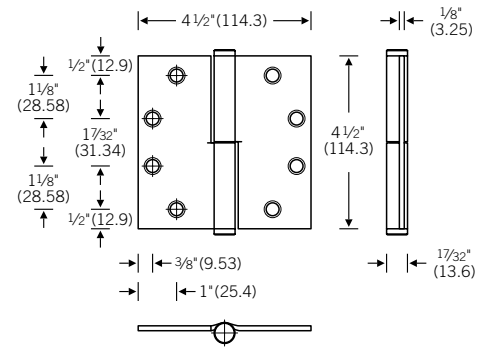
9101 0004 (RH)
9101 0005 (LH)



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



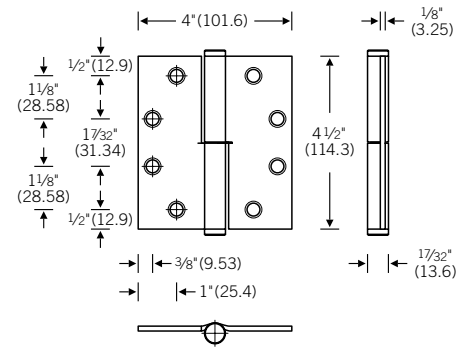
9101 0006 (RH)
9101 0007 (LH)



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



All details subject to modification

RH – Right Hand Hinge

LH – Left Hand Hinge



Base material of all hinges is stainless steel. For all available finishes please refer to page 548.

Hinges

Three-Knuckle Hinges

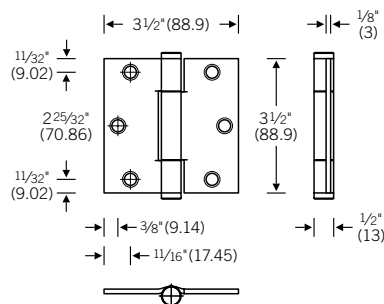
Series 9101

9101 0050



Three-Knuckle Hinge

3 1/2 × 3 1/2" (88.9 × 88.9 mm)
Minimum door thickness 1 3/8" (35 mm)

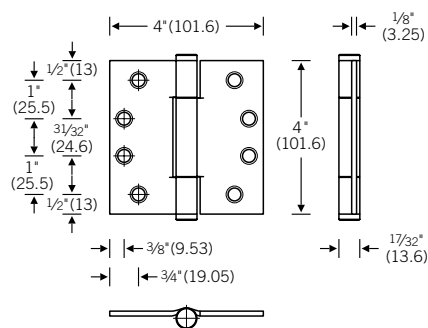


9101 0051



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 548.

All details subject to modification

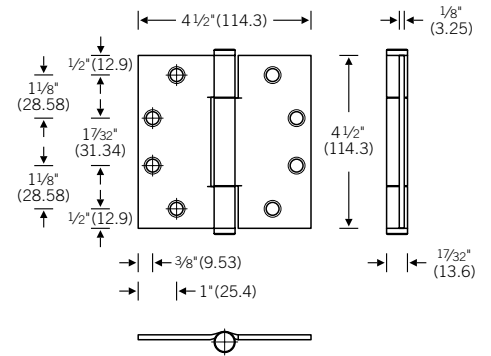
Three-Knuckle Hinges

Series 9101

9101 0052

Three-Knuckle Hinge

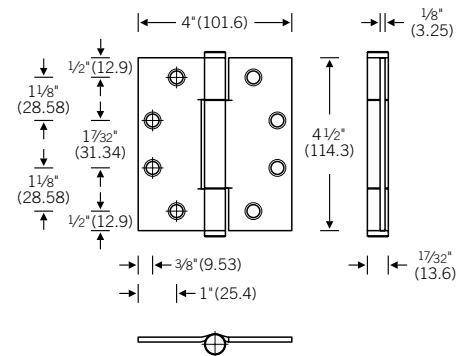
4 1/2" x 4 1/2" (114.3 x 114.3 mm)
Minimum door thickness 1 3/4" (44 mm)



9101 0053

Three-Knuckle Hinge

4 1/2" x 4" (114.3 x 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 548.

Hinges

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	

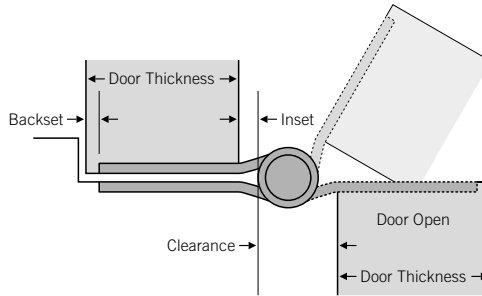
Hinge Size

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.



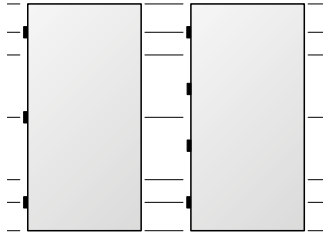
All details subject to modification

Series 9101

Information and Specification

Number of Hinges

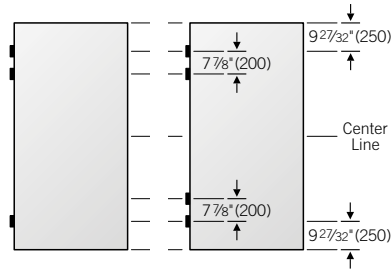
Typically, three hinges are fitted to each door. Hinge positions are determined by the weight of door, its situation and its construction/resistance to warping. The usual positioning is symmetrical, see examples.



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/ft²	kg/m²	lbs/ft²	kg/m²	lbs/ft²	kg/m²	lbs/ft²	kg/m²
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
Mahagony	3 1/2	17.0	4 1/2	22.0	5 1/4	25.6	5 1/2	27.1

All details subject to modification

Hinges

Hinges

	Number	Description	All Finishes		Unit
			6204	6205	
			0105	0710	
Two-Knuckle Hinges	9101 0000	3 ½ x 3 ½" Right Hand	119.05	144.23	Each
	9101 0001	3 ½ x 3 ½" Left Hand	119.05	144.23	Each
	9101 0002	4 x 4" Right Hand	131.64	163.69	Each
	9101 0003	4 x 4" Left Hand	131.64	163.69	Each
	9101 0004	4 ½ x 4 ½" Right Hand	152.24	188.87	Each
	9101 0005	4 ½ x 4 ½" Left Hand	152.24	188.87	Each
	9101 0006	4 ½ x 4" Right Hand	152.24	188.87	Each
	9101 0007	4 ½ x 4" Left Hand	152.24	188.87	Each
Three-Knuckle Hinges	9101 0050	3 ½ x 3 ½"	103.02	129.35	Each
	9101 0051	4 x 4"	119.05	144.23	Each
	9101 0052	4 ½ x 4 ½"	131.64	163.69	Each
	9101 0053	4 ½ x 4"	131.64	163.69	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

- 559 Overview
- 561 Door Stops & Coat Hooks
- 565 Cabinet Pulls
- 566 Door Viewer
- 567 Forearm Shield Accessories
- 571 Accessory Pricing
- 574 Bathroom Accessories
- 597 Bathroom Accessory Pricing
- 600 Window Handles
- 604 Window Handle Pricing


Door Stops, Coat Hooks, Cabinet Pulls, Numbers and Door Viewer Overview

38 3816 
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38 3878 
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38 3880 
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38 3880 
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38 3881 
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38 3884 
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38 3888 
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38 3895 
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36 3646 
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36 36xx 
Page 565




















36 3694 
Page 565



38 3898 
Page 566



All details subject to modification

Material	 Stainless Steel	 Bronze	 Aluminum	Other	
Finishes	 6204 (630)  6205 (629)	 7615 (615)  7625 (613)	 0105 (628)  0205  8120  8220	 0410  0510  0710 (710)  0810 (711)	 Polyamide  Black Rubber

Forearm Shield - Hands Free Door Operation Accessories

FSL-100 ■

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FSL-200 ■

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FSDP-200 ■

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FSDP-BRKT ■

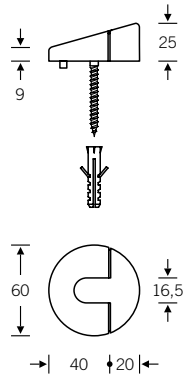
Page 570




All details subject to modification

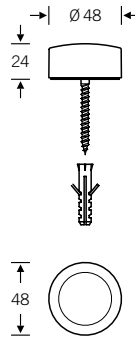
Door Stops

38 3816 



38 3878 

Design: Christoph Ingenhoven



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

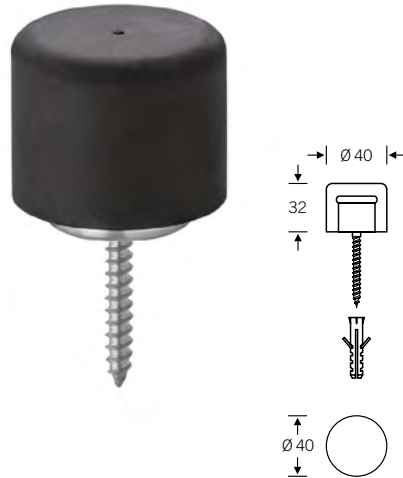
stops, stops with anti-twist capability, stops with baseplates, directional and non-directional stops and stops fitted straight into the floor or those where rawplugs are used.

All details subject to modification

Door Stops

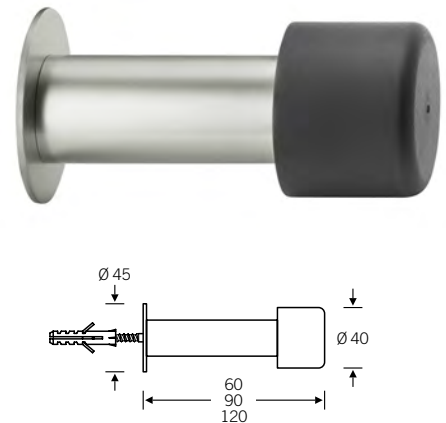
38 3880

38 3880 00001 (Black rubber)

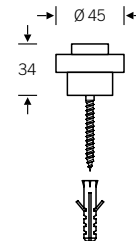


38 3880

38 3880 00002 (120 mm)
38 3880 00003 (90 mm)
38 3880 00004 (60 mm)



38 3881




All details subject to modification

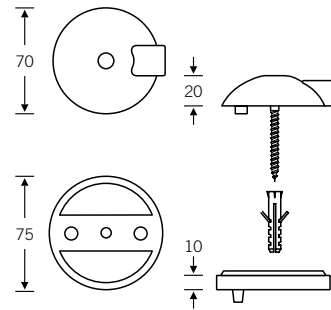
Before placing an order or carrying out any installation, please check the weight of the door leaf, the angle of impact, the height of the bottom edge of the door above the floor and the strength of the floor. Depending on requirements, it is possible to choose between simple


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.

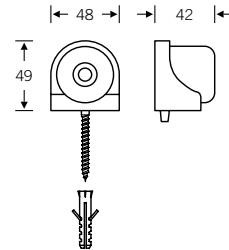
Door Stops

38 3884 

38 3884 00000 (Door stop)
38 3884 00010 (Black baseplate)



38 3888 




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

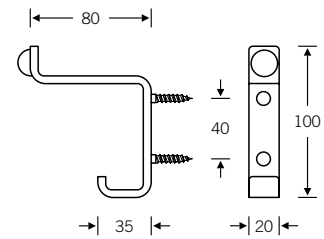
stops, stops with anti-twist capability, stops with baseplates, directional and non-directional stops and stops fitted straight into the floor or those where rawplugs are used.


All details subject to modification

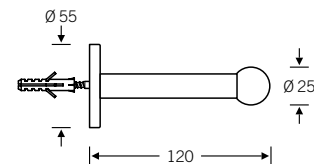
Coat Hooks / Wall-mounted Door Stops

36 3646 

36 3646 00000 (Coat hook without buffer)
36 3646 00001 (Coat hook and doorstop with buffer)



38 3895 



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

Accessories

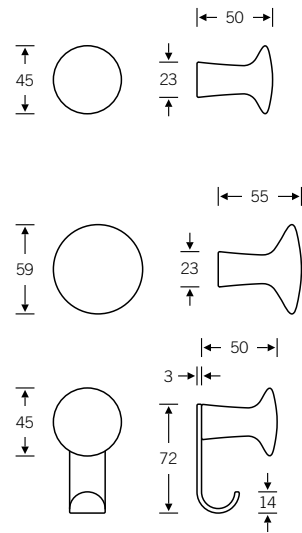
Coat Hooks / Cabinet Pulls

36 36xx ■



36 3693 00004 (coat hook Ø 45 mm)
 36 3692 00004 (coat hook Ø 59 mm)
 36 3693 00000 (coat hook Ø 45 mm,
 including additional hook)

Fastened using accompanying M6 screws
 (furniture screw for drilling and stud screw
 for attaching)



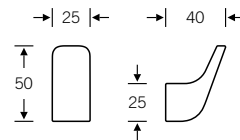
36 3694 ■



36 3694 00004 (cabinet pulls)

Fastened using accompanying M4 screws
 (furniture screw for drilling)

Can be installed with pull facing up or down

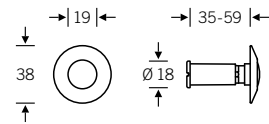


All details subject to modification

Door Viewer

38 3898 ■

38 3898 00000 (door viewer for door thickness 35 – 59 mm)
38 3898 00001 (door viewer extension for greater door thicknesses)



All details subject to modification

Forearm Shield • Lever

Hands Free Operation

FSL-100 ■



FSB Forearm Shield • Lever

• FSL-100

Open doors easily with your forearm. No need to use your hands. Simply depress the lever and pull or push the door open with your forearm or elbow.

- The forearm shield can be installed on commercially available lever handles, square or round design with a diameter of ¾" to 1"
- Includes all hardware for secure fittings
- ADA Compliant
- Non-handed for ease of installation

Watch video at www.shopfsbna.com



All details subject to modification

Forearm Shield • Keyed Lever

Hands Free Operation

FSL-200 ■



FSB Forearm Shield • Keyed Lever

• FSL-200

Open doors easily with your forearm. No need to use your hands. Simply depress the lever and pull or push the door open with your forearm or elbow.

- The forearm shield can be installed on commercially available lever handles, square or round design with a diameter over 1" to 1 3/8"
- Two-Piece design allows the shield to be installed on keyed lever styles
- Includes all hardware for secure fittings
- ADA Compliant
- Non-handed for ease of installation

Watch video at www.shopfsbna.com



All details subject to modification

Accessories

Forearm Shield • Door Pull

Hands Free Operation

FSDP-200 ■



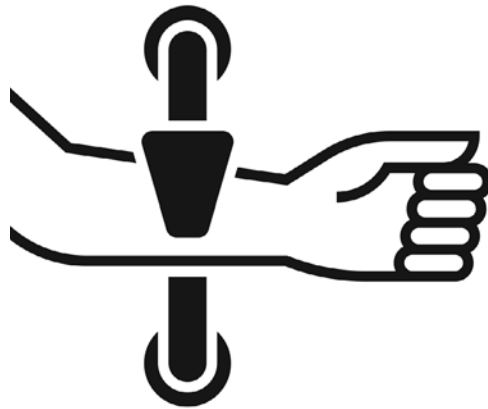
FSB Forearm Shield • Door Pull

• FSDP-200

Open doors easily with your forearm. No need to use your hands. Simply pull the door open with your forearm.

Can be installed on door pull in three positions

- Perpendicular to Door hook down
 - Parallel to Door right of pull
 - Parallel to Door left of pull
- The Forearm Shield Door Pull can be installed on commercially available Door Pulls (round, oval and rectangular)
- Round Pulls: 3/4" to 1 1/2" Diameter
 - Oval Pulls: 1 1/16" to 1 3/8" Diameter
 - Rectangular Pulls: 3/8" to 7/8" and 1 1/4" to 1" Diam.
- Can be installed on door pull in three positions
 - Includes all hardware for secure fittings
 - Fasteners: 4 MS 26mm nut, 4 TX25 Torx Drive
 - Made of Polyamide for durability and strength
 - ADA Compliant



All details subject to modification

Forearm Shield • Door Pull and Bracket

Hands Free Operation

FSDP-BRKT ■

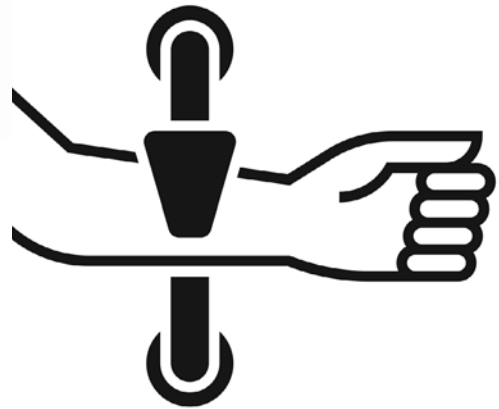


FSB Forearm Shield • Door Pull and Bracket • FSDP-BRKT

Open doors easily with your forearm. No need to use your hands. Simply pull the door open with your forearm.

Includes the Forearm Shield Door Pull -AND- a Stainless Steel Bracket for Flat Style Door Pulls without the need to drill any holes in your existing Flat Door Pull.

- The Forearm Shield Door Pull can be installed on commercially available Flat Style Door Pulls And without the bracket on the following regular style Door Pulls:
 - Round Pulls: $\frac{3}{4}$ " to $1\frac{1}{2}$ " Diameter
 - Oval Pulls: $1\frac{1}{16}$ " to $1\frac{3}{8}$ " Diameter
 - Rectangular Pulls: $\frac{3}{8}$ " to $\frac{7}{8}$ " and $1\frac{1}{4}$ " to 1 " Diam.
- Can be installed on door pull in two positions
- Includes all hardware for secure fittings
- Fasteners: 4 MS 26mm nut, 4 TX25 Torx Drive
- Made of Polyamide for durability and strength
- ADA Compliant



All details subject to modification

Cabinet Knobs, Coat Hooks, Door Stops, Kick/Push Plates

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Coat Hooks	36 3646 00000	Coat Hook	97.30	119.05	59.52	80.13	Each
	36 3646 00001	Coat Hook with Door Stop	109.89	133.93	72.11	96.15	Each
	36 3692 00004	Coat Hook 59mm	-	-	190.43	182.52*	Each
	36 3693 00004	Coat Hook 45mm	-	-	131.25	157.28*	Each
	36 3693 00000	Coat Hook 45mm	-	-	152.34	172.38*	Each
Door Stops	38 3816 00000	Door Stop	59.52	73.26	59.52	80.13	Each
	38 3878 00000	Door Stop	85.85	105.31	85.85	113.32	Each
	38 3880 00001	Rubber Bumper	-	-	43.50	-	Each
	38 3880 00002	Door Stop 120 mm	100.73	122.48	74.40	99.59	Each
	38 3880 00003	Door Stop 90 mm	93.86	114.47	66.39	87.00	Each
	38 3880 00004	Door Stop 60 mm	93.86	114.47	66.39	87.00	Each
	38 3881 00000	Door Stop 45 mm	76.69	95.01	50.37	67.54	Each
	38 3884 00000	Door Stop 70 mm	50.37	62.96	50.37	67.54	Each
	38 3884 00010	Metal Riser for 3884	-	-	37.77	-	Each
	38 3888 00000	Door Stop	-	-	77.84	104.17	Each
	38 3895 00000	Door Stop	97.30	119.05	87.00	115.61	Each
Kick/Push Plates	51 5222 09999	1 mm thick custom plate	Quote	Quote	Quote	Quote	Each
	51 5223 09999	1.5 mm thick custom plate	Quote	Quote	Quote	Quote	Each
	51 5224 09999	2 mm thick custom plate	Quote	Quote	Quote	Quote	Each
Cabinet Pulls	36 3694 00004	Cabinet Pull	-	-	164.31	196.87*	Each
Numbers	38 4006 00100	Holder for Three Numbers	-	-	99.78	119.55*	Each
	38 4006 0000X	Numbers	-	-	68.17	81.67*	Each
Door Viewer	38 3898 00000	Door Viewer 35-59mm	-	-	93.28	111.79*	
	38 3898 00001	Door Viewer Extender	-	-	Quote	Quote	

* = 0810 Finish Only

	Number	Description	Bronze Finishes		Unit
			7615	7625	
Door Stops	38 3878 00000	Door Stop	85.85	105.31	Each
	38 3880 00002	Door Stop 120 mm	137.36	168.27	Each
	38 3880 00003	Door Stop 90 mm	131.64	160.25	Each
	38 3880 00004	Door Stop 60 mm	124.77	152.24	Each
	38 3884 00000	Door Stop 70 mm	68.68	84.71	Each

Anodized Aluminum

- 0105
- 0205
- 0410
- 0510
- 0710
- 0810

Powder Coated

- 8120
 - 8220
- Full list on page 8

Forearm Shield

Hands Free Door Operation

	Number	Description	Polyamide	Unit
Forearm Shield • Lever	FSL-100	Forearm Shield for Door Levers	33.20	Each
Forearm Shield • Lever	FSL-200	Forearm Shield for Keyed Door Levers	35.48	Each
Forearm Shield • Door Pull	FSDP-200	Forearm Shield for Door Pulls	41.21	Each
Forearm Shield • Door Pull & Bracket	FSDP-BRKT	Forearm Shield for Flat Style Door Pulls	57.23	Each

All details subject to modification



METRIC® + ErgoSystem® Bathroom Accessories

Bathroom Accessories

The bathroom is increasingly becoming a place for tranquility and relaxation. As a result, notions of how such spaces are designed are having to be reconsidered too. The atmosphere of a space plays an increasingly important part alongside purely functional requirements.

METRIC®

Factors such as “natural quality”, “simplicity” and “well-being” are setting new standards both in the domestic sphere as well as in hotels and public areas. Growing significance is attached to the process of selecting and combining natural materials, finishes and colors. FSB is addressing this trend in the design of its METRIC® range of bathroom accessories.

The METRIC® design is deliberately understated, being defined by geometric shapes and high quality materials. The contrast between round roses and rectangular support profiles is a striking design feature that runs through the entire range. The combination of round functional parts and the supports made of rectangular profiles underscores the clear division of the system's constituent parts.

Its astutely balanced proportions have a soothing effect and blend harmoniously with a variety of design concepts. Ergonomic criteria have been taken into account wherever they are an aid to fluent sequences of movements. The holder for the toothbrush mug, for instance, tilts towards the user, thus making it easier to remove the mug.

METRIC® is supplied in stainless steel satin finish or polished. Besides looking good, stainless steel boasts an authenticity that harmonizes particularly well with natural materials such as wood or granite and is excellently suited to well-appointed bathroom schemes. Stainless steel rightly lays claim to being exceedingly hard wearing, corrosion resistant, easy to look after and durable.

The quality with which FSB works stainless steel draws on decades of experience gained as a manufacturer of well-designed, finely machined hardware for doors and windows. This expertise has found its way into the design and production of the METRIC® range of bathroom accessories.

ErgoSystem®

The standard color combination FSB 8811 combines light grey and dark grey aluminum as shown to the left.

Hand-holds, handrails and the surfaces of utensils trays that are subject to constant loading either by being gripped or having utensils placed on them are coated in Anthracite Dark Grey Metallic (FSB 8809). Brackets, assembly devices, and working parts that are infrequently handled may additionally be refined with the accent color Aluminium Grey Metallic (FSB 8829, Satin Matt).

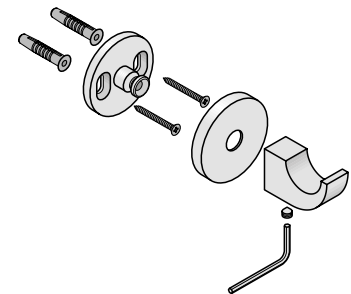
Surface quality In particular, finishes on hand-holds, handrails and shelves and trays brought about by electrostatic powder coating (EPC) are far more resilient to cleansers, scratching or wear than conventional powders and procedures of a purely decorative persuasion. The powders used at FSB have their origins in facade construction – an area, after all, in which the most exacting demands are traditionally made of surfaces in the erection of facades or to account for climatic impacts.

The matt color shade Anthracite Grey Metallic (FSB 8809) boasts above-average surface hardness and outstanding

mechanical properties and can hence be recommended for areas in which particularly high loads are to be expected.

Fastening by screws or adhesive

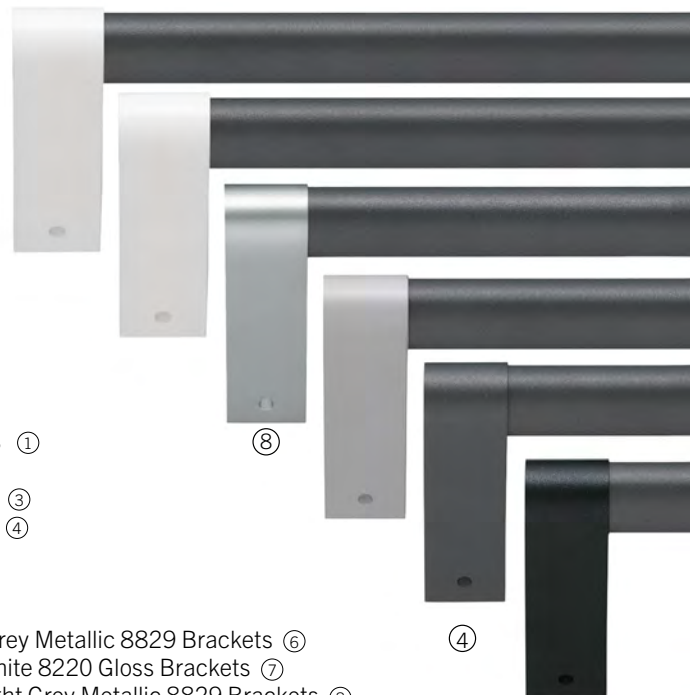
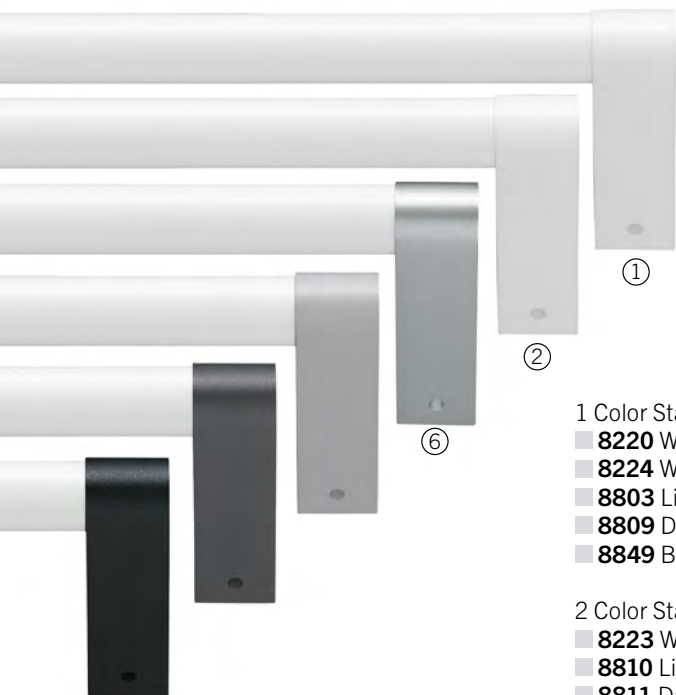
The base rose features two parallel longitudinal slots for optimum dimensional coordination and is screwed to the wall with the fastenings supplied. The cover rose is then placed on top and aligned with the patterning as required. The final optical adjustment of the working parts is performed by firmly tightening the socket screw against the tensioning bolt.



As an alternative to conventional screw fastening, FSB also offers attachment by means of a bonding technique that uses an adhesive and facilitates residue-free removal.

ErgoSystem® Bathroom Accessories

■ Aluminum



1 Color Standard Finishes

- **8220** White Aluminum High Gloss ①
- **8224** White Aluminum Matte ②
- **8803** Light Grey Aluminum Matte ③
- **8809** Dark Grey Aluminum Matte ④
- **8849** Black Aluminum Matte ⑤

2 Color Standard Finishes

- **8223** White 8220 Gloss / Light Grey Metallic 8829 Brackets ⑥
- **8810** Light Grey 8803 Matte / White 8220 Gloss Brackets ⑦
- **8811** Dark Grey 8809 Matte / Light Grey Metallic 8829 Brackets ⑧

*Custom

■ **Custom** Choose from hundreds of Custom RAL Colors



Bathroom

ErgoSystem® Bathroom Accessories

Aluminum



ErgoSystem® accessories are available in 1-Color or 2-Color Standard Options (left) or 100's or Custom RAL Colors to fit your design.

82 8460 00001 ■
Page 579



82 8460 00011 ■
Page 582



82 8460 00002 ■
Page 582



82 8420 xxxxx ■
Page 584



82 8270 00008 ■
Page 592



82 8460 00007/17 ■
Page 586



82 8460 00003/04/18 ■
Page 588



82 8460 00012 ■
Page 590



82 8460 00014 ■
Page 590



Additional Items &
Custom Colors available



METRIC® Bathroom Accessories

■ Stainless Steel



■ **FSB 6204**
Satin Stainless Steel (630)



■ **FSB 6205**
Polished Stainless Steel (629)

82 8270 00011 ■
Page 579



82 8270 00014 ■
Page 580



82 8270 00021 ■
Page 580



82 8270 00015/16 ■
Page 581



82 8270 00010 ■
Page 582



82 8201 xxx10 ■
Page 583



82 8270 01030 ■
Page 585



82 8270 01031 ■
Page 585



82 8270 00003 ■
Page 586



82 8270 01013 ■
Page 587



METRIC® Bathroom Accessories

Stainless Steel



METRIC® accessories are available in either Satin or Polished Stainless Steel to fit your bathroom design.

82 8270 00017 ■
Page 587



82 8270 00001/02 ■
Page 587



82 8270 00040 ■
Page 589



82 8270 00041 ■
Page 589



82 8270 00050 ■
Page 594



82 8270 00042 ■
Page 591



82 8270 00043 ■
Page 591



82 8241 ■
Page 593



82 8243 ■
Page 593



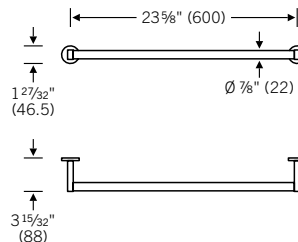
METRIC® + ErgoSystem®
Bathroom Accessories

82 8270 xxx11 ■



Single towel bar

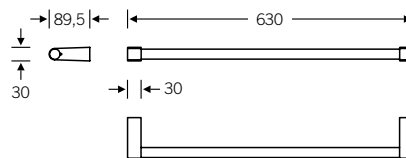
- 82 8270 04511 (450 mm)
- 82 8270 00011 (600 mm)
- 82 8270 07511 (750 mm)
- 82 8270 09011 (900 mm)



82 8460 00001 ■

Single fixed bath towel rail

Custom lengths of up to 1,050 mm
can be supplied to order



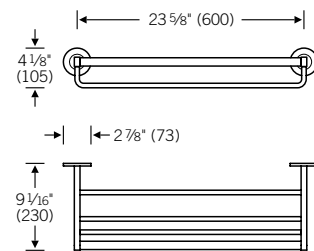
All details subject to modification

METRIC® + ErgoSystem®

Bathroom Accessories

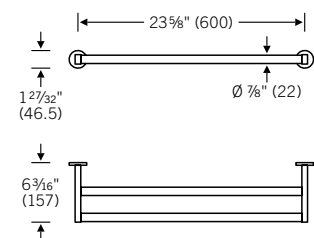
82 8270 00014 ■

Combination towel rack and towel bar



82 8270 00021 ■

Double towel bar

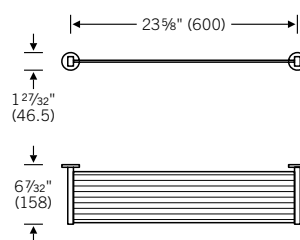


All details subject to modification

METRIC® + ErgoSystem® Bathroom Accessories

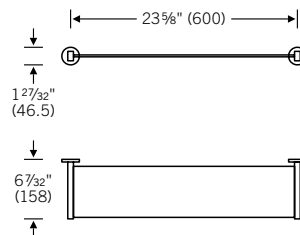
82 8270 00015 ■

Frosted glass shelf



82 8270 00016 ■

Clear glass shelf



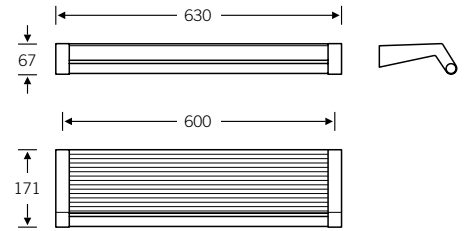
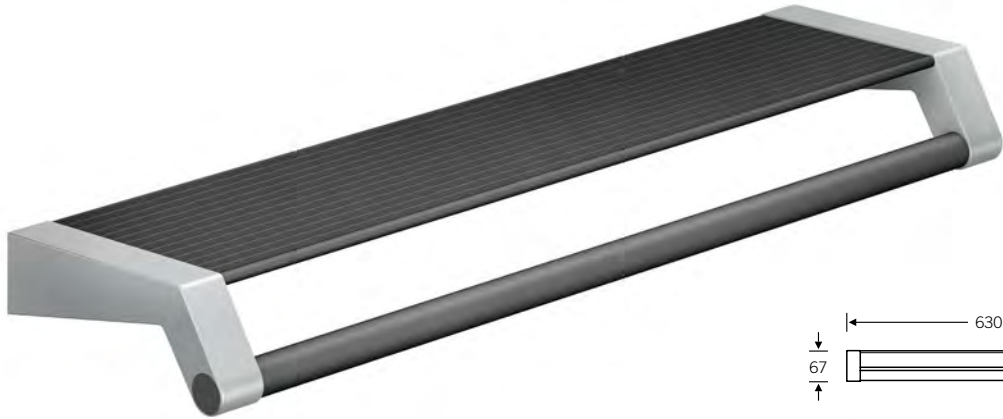
All details subject to modification

METRIC® + ErgoSystem® Bathroom Accessories

82 8460 00011 ■

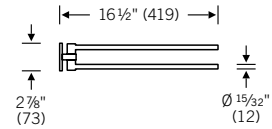
Utensils tray with grab/towel bar

Max grab rail loading 100 kg



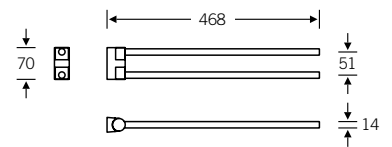
82 8270 00010 ■

Swivel action double towel bar



82 8460 00002 ■

Double swivel-action hand towel bar



All details subject to modification

Bathroom

METRIC® + ErgoSystem®

Bathroom Accessories

82 8201 xxx00 ■

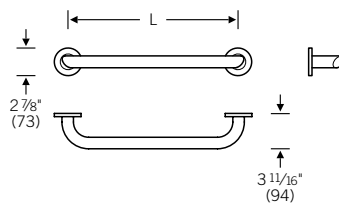
Grab bar

82 8201 03000 (L = 300 mm)

82 8201 04500 (L = 450 mm)

82 8201 06000 (L = 600 mm)

82 8201 09000 (L = 900 mm)



METRIC® + ErgoSystem®

Bathroom Accessories

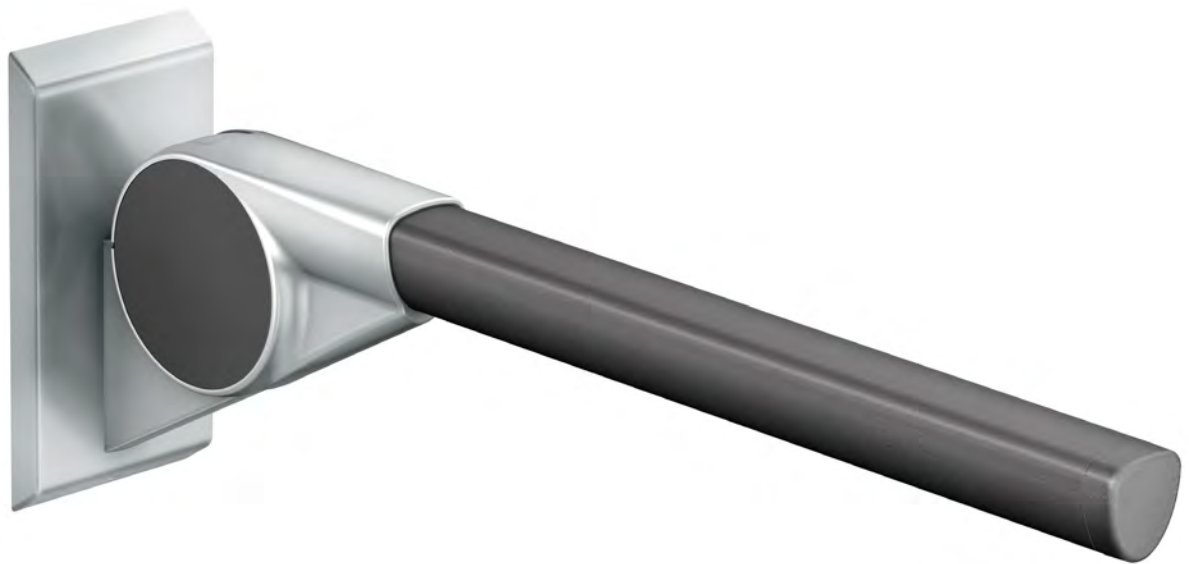
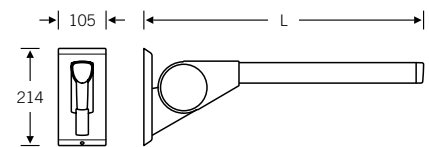
82 8420 000xx ■

82 8420 00060 (L = 600 mm)
82 8420 00070 (L = 700 mm)
82 8420 00085 (L = 850 mm)
82 8420 00090 (L = 900 mm)

Drop-down support rail
with non-directional grip cross-section

Spring-loaded, ease of action adjustable

Max. loading 100 kg on the front edge

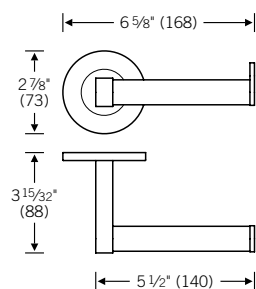


All details subject to modification

METRIC® + ErgoSystem®
Bathroom Accessories

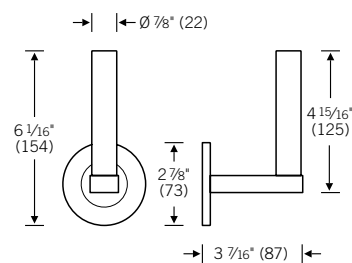
82 8270 01030 ■

Toilet roll holder



82 8270 01031 ■

Spare toilet roll holder for one roll



All details subject to modification

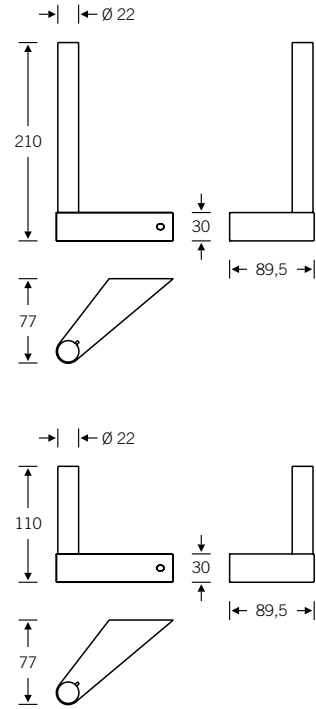
METRIC® + ErgoSystem® Bathroom Accessories

82 8460 000xx ■

82 8460 00007 (for two toilet-rolls)
82 8460 00017 (for one toilet-roll)



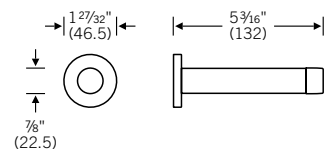
Spare toilet-roll holder



82 8270 00003 ■

Door Stop

Custom length available



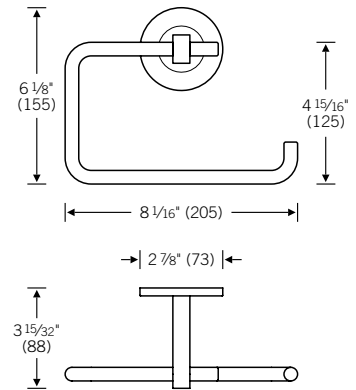
All details subject to modification

Bathroom

82 8270 01013 ■



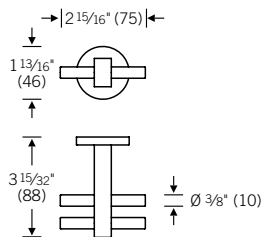
Towel ring



82 8270 00017 ■



Toothbrush holder

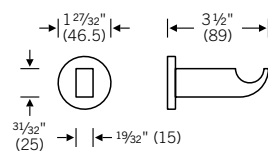
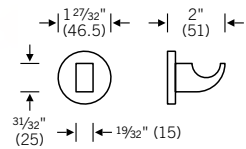


82 8270 00001 ■

82 8270 00002 ■



Robe or towel hooks



All details subject to modification

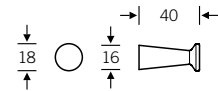
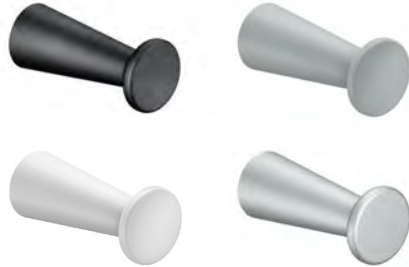
METRIC® + ErgoSystem®

Bathroom Accessories

82 8460 00003 ■

82 8460 00003

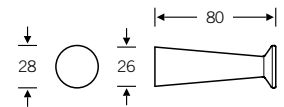
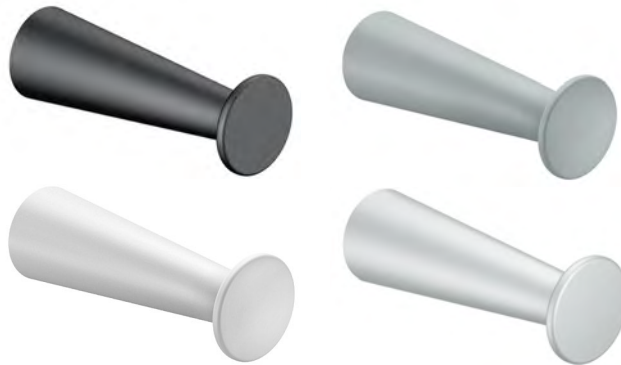
Wall hook



82 8460 00004 ■

82 8460 00004

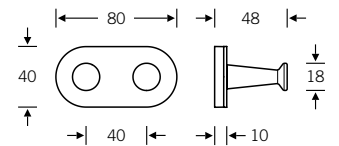
Coat hook



82 8460 00018 ■

82 8460 00018

Double wall hook

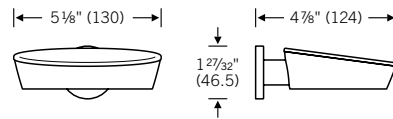


All details subject to modification

Bathroom

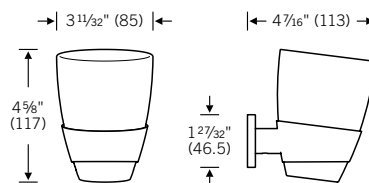
82 8270 00040 ■

Soap holder with plastic soap dish



82 8270 00041 ■

Mug holder with plastic mug

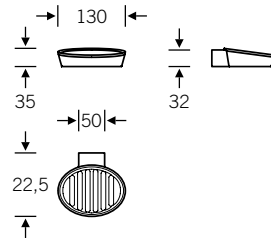


All details subject to modification

METRIC® + ErgoSystem® Bathroom Accessories

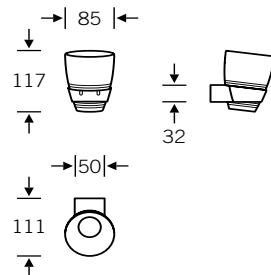
82 8460 00012 ■

Soap holder with plastic soap dish



82 8460 00014 ■

Mug holder with plastic mug



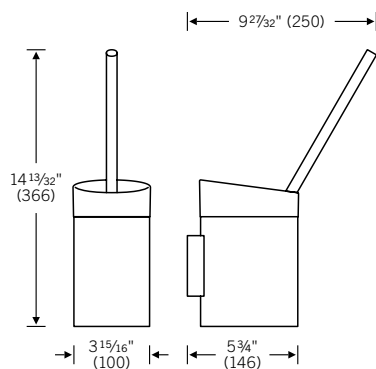
All details subject to modification

METRIC® + ErgoSystem®

Bathroom Accessories

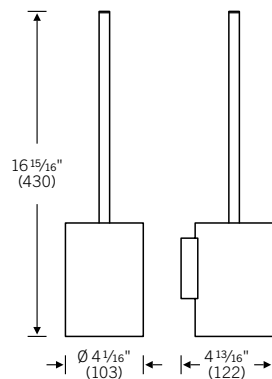
82 8270 00042 ■

Toilet brush set oval, with removable plastic insert*



82 8270 00043 ■

Toilet brush set round, with removable plastic insert*



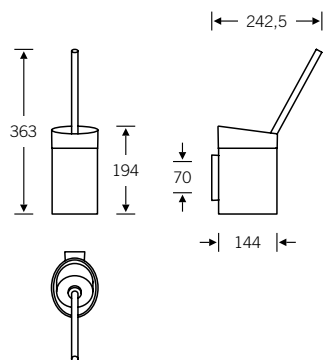
* The removable plastic insert for the toilet brush sets is washable up to 266 °F. The brush heads can be replaced and ordered separately.

All details subject to modification

METRIC® + ErgoSystem® Bathroom Accessories

82 8460 00008 ■

Toilet brush set oval, with removable plastic insert*



* The removable plastic insert for the toilet brush sets is washable up to 266 °F. The brush heads can be replaced and ordered separately.

All details subject to modification

Bathroom

METRIC® + ErgoSystem®

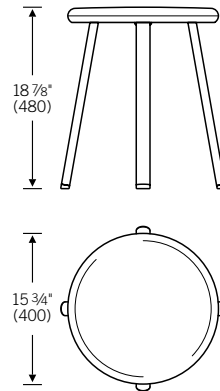
Bathroom Accessories

82 8243 ■ Seat PUR



Free-standing bath stool with rotating seat

The free-standing stool has a rotating seat and is very convenient in the bathroom and for getting dressed/undressed.

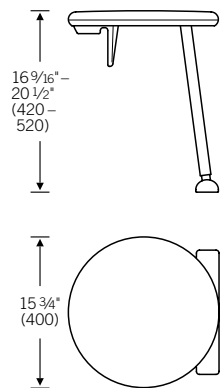


82 8241 ■ Seat PUR



Bath stool with rotating seat

The height-adjustable bath stool with rotating seat is designed with comfort in mind. Propped up against the edge of the bath, it makes getting into the bath easier. Further bathroom functions such as body care or getting dressed/undressed are likewise facilitated.



All details subject to modification

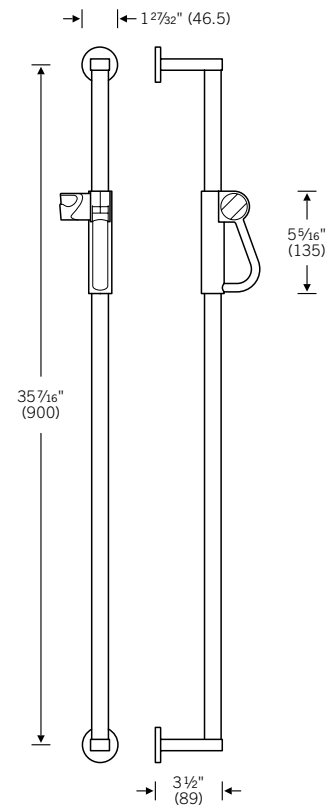
METRIC® + ErgoSystem® Bathroom Accessories

82 8270 00050 ■

Slide rail with shower head holder
for wall mounting



The new shower head holder enables convenient showering: it combines an ergonomically shaped handle that is safe and easy to operate without any turning action involved and features a maintenance-free, continuously adjustable height and tilt mechanism. The shower head holder can be conveniently adjusted with one hand – leaving the other free at all times and giving the user the opportunity, for instance, to hold onto a grab handle.



All details subject to modification



reddot design award
winner 2008

Böden • Stoffe • Leuchten • Pflanzen
Küchen • Bad • Einzelanordnungen
Gebäudearchitektur • Sanitär
Sicherheitsysteme
Möbel...

Innovationspreis

architecture + health

Bathroom

82 8270 00001

FSB METRIC bathroom accessory, robe or towel hook in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 51 mm

82 8270 00002

FSB METRIC bathroom accessory, robe or towel hook in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 89 mm

82 8270 00003

FSB METRIC bathroom accessory, door stop in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 132 mm

82 8270 00010

FSB METRIC bathroom accessory, swivel action double towel bar in stainless steel, Ø 12 mm, wall mounting with concealed fastening and cover rose in stainless steel, Ø 73 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 419 mm

82 8270 xxx11

FSB METRIC bathroom accessory, towel bar in stainless steel, Ø 22 mm mounting brackets in stainless steel, wall mounting with concealed fastening and cover roses in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 04511 Length 450 mm

82 8270 00011 Length 600 mm

82 8270 07511 Length 750 mm

82 8270 09011 Length 900 mm

82 8270 00014

FSB METRIC bathroom accessory, combination towel rack and towel bar in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 73 mm, 230 mm deep rack with Ø 22 mm towel bar. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 00015

FSB METRIC bathroom accessory, glass wall-mounted shelf, in unbreakable glass (toughened safety glass), mounting brackets in stainless steel, plastic wall mounting with concealed fastening and cover roses in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Surface area of tray 600 × 135 mm. Frosted finish

82 8270 00016

FSB METRIC bathroom accessory, glass wall-mounted shelf, in unbreakable glass (toughened safety glass), mounting brackets in stainless steel, plastic wall mounting with concealed fastening and cover roses in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Surface area of tray 600 × 135 mm. Plain glass finish

82 8270 00017

FSB METRIC bathroom accessory, toothbrush holder in stainless steel, wall mounting with concealed fastening and cover rose, Ø 46 mm, in stainless steel. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 00021

FSB METRIC bathroom accessory, double towel bar in stainless steel, Ø 22 mm mounting brackets in stainless steel, wall mounting with concealed fastening and cover roses in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 600 mm

82 8270 00040

FSB METRIC bathroom accessory, soap holder in stainless steel, for washstand, with removable plastic soap tray (polycarbonate), wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

METRIC®

Specification Details

82 8270 00041

FSB METRIC bathroom accessory, glass holder in stainless steel, for washstand, with removable glass beaker. Ergonomic styling, tilting of holder conducive to ease of removal, wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 00042

FSB METRIC bathroom accessory, toilet brush set in stainless steel and plastic (polycarbonate), for wall fastening, nylon brush head. Replaceable brush is automatically centred and positioned, for removal in line with body movements, large insertion aperture, easy to clean due to removable brush receptacle, with inner reservoir for disinfectants, concealed fastening. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 00043

FSB METRIC bathroom accessory, toilet brush set in stainless steel and plastic (polycarbonate), for wall fastening, nylon brush head. Replaceable brush is automatically centred and positioned, for removal in line with body movements, large insertion aperture, easy to clean due to removable brush receptacle, with inner reservoir for disinfectants, concealed fastening. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 00050

FSB METRIC bathroom accessory, shower rail in stainless steel, Ø 22 mm, with continuously adjustable shower head holder, supports in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 46 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 900 mm

82 8270 01013

FSB METRIC bathroom accessory, towel ring in stainless steel, wall mounting with concealed fastening and cover rose in stainless steel, Ø 73 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 01030

FSB METRIC bathroom accessory, toilet roll holder in stainless steel, Ø 22 mm, with roll retainer, wall mounting with concealed fastening and cover rose in stainless steel, Ø 73 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.

82 8270 01031

FSB METRIC bathroom accessory, reserve toilet roll holder in stainless steel, Ø 22 mm, for one roll, wall mounting with concealed fastening and cover rose in stainless steel, Ø 73 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order. Length 125 mm

82 8201 xxx00

FSB diagonal-oval ErgoSystem, grab handle in stainless steel, ideal grab and support functions, elliptical gripping surface, oval tubing 36.5 × 22 mm, concealed fastening and stainless steel covering profiles, and roses in stainless steel, Ø 73 mm. Includes fasteners for solid masonry, wood or drywall. Wall construction must be provided with order.
82 8201 03000 Length 300 mm
82 8201 04500 Length 450 mm
82 8201 06000 Length 600 mm
82 8201 09000 Length 900 mm

82 8241

FSB convenience stool in pleasant-on-the-skin, hygienic PUR and stainless steel, with rotating seat in PUR, Ø 400 mm, seat height-adjustable from 420 mm to 520 mm, max. loading 150 kg, for propping against the edge of the bath and, in combination with FSB bath seat, can be used as an aid to moving and getting in the bath.

82 8243

FSB free-standing and convenience stool in pleasant-on-the-skin, hygienic PUR and stainless steel, with rotating seat in PUR, Ø 400 mm, seat height 480 mm, with four free-standing feet in stainless steel.

METRIC®

Bathroom Accessories

	Number	Description	Stainless Steel		Unit
			6204	6205	
Towel Bars, Rack and Ring	82 8270 00010	Swivel Towel Bar	518.54	622.70	Each
	82 8270 00014	Combination Towel Rack and Bar	987.85	1184.74	Each
	82 8270 00021	Double Towel Bar	777.23	931.77	Each
	82 8270 01013	Towel Ring	453.29	543.72	Each
	82 8270 04511	Single Towel Bar: 17 ¾" (450 mm)	533.42	639.87	Each
	82 8270 00011	Single Towel Bar: 23 ⅝" (600 mm)	605.53	726.87	Each
	82 8270 07511	Single Towel Bar: 29 ½" (750 mm)	605.53	726.87	Each
	82 8270 09011	Single Towel Bar: 35 ⅞" (900 mm)	633.01	760.06	Each
Robe or Towel Hooks, Shelves	82 8270 00001	Robe or Towel Hook: 2" (51 mm)	137.36	165.98	Each
	82 8270 00002	Robe or Towel Hook: 3 ½" (89 mm)	167.12	199.17	Each
	82 8270 00015	Frosted Glass Shelf	857.36	1029.06	Each
	82 8270 00016	Clear Glass Shelf	857.36	1029.06	Each
Lavatory and Toilet Accessories	82 8270 00017	Tooth Brush Holder	281.59	336.53	Each
	82 8270 00040	Soap Dish	309.06	370.87	Each
	82 8270 00041	Glass and Glass Holder	309.06	370.87	Each
	82 8270 00042	Toilet Brush Set - Oval	546.01	655.90	Each
	82 8270 00043	Toilet Brush Set - Round	546.01	655.90	Each
	82 8270 01030	Single Horizontal Toilet Paper Holder	318.22	381.18	Each
	82 8270 01031	Single Vertical Toilet Paper Holder	318.22	381.18	Each
	82 8270 01032	Reserve Toilet Paper Holder for Two Rolls	361.72	433.83	Each
82 8270 01034	Paper Towel Holder	388.04	465.88	Each	
Hand Shower Holder	82 8270 00050	Hand Shower Holder with Sliding Shower-head Bracket	777.23	931.77	Each
Oval Grab Bars	82 8201 03060	11 ¾" (300 mm)	460.16	551.73	Each
	82 8201 04560	17 ¾" (450 mm)	489.92	588.36	Each
	82 8201 06060	23 ⅝" (600 mm)	518.54	622.70	Each
	82 8201 09060	35 ⅞" (900 mm)	562.04	674.21	Each
Bath Stools w/ Rotating Seat	82 8241 00000	Height Adjustable, Rests on Tub Edge	1697.55	2037.52	Each
	82 8243 00000	Fixed Height, Free-Standing	1697.55	2037.52	Each
Door Stop	82 8270 00003	Wall-Mounted Door Stop: 5 ⅜" (132 mm)	119.05	143.08	Each

All details subject to modification

ErgoSystem®

Bathroom Accessories

	Number		Description	Aluminum	Unit
				All Finishes	
Towel Bars	82	8460 00001	Single Towel Bar	317.07	Each
	82	8460 00002	Swivel Tower Bar	321.65	Each
Robe or	82	8460 00003	Wall Hook	46.93	Each
Towel Hooks	82	8460 00004	Coat Hook	57.23	Each
	82	8460 00018	Double Hook	188.87	Each
Shelf	82	8460 00011	Utensil Shelf with Bar	861.94	Each
Lavatory	82	8460 00012	Soap Dish	861.94	Each
	82	8460 00014	Glass and Glass Holder	108.74	Each
Toilet Accessories	82	8460 00008	Toilet Brush Set - Oval	301.05	Each
	82	8460 00007	Double Vertical Toilet Paper Holder	198.03	Each
	82	8460 00017	Single Vertical Toilet Paper Holder	193.45	Each
	82	8460 00060	23 5/8" (600 mm)	1233.96	Each
Drop Down Support Bar	82	8460 00070	27 9/16" (700 mm)	1251.13	Each
	82	8460 00085	31 1/2" (800 mm)	1275.17	Each
	82	8460 00090	35 7/16" (900 mm)	1284.33	Each

Aluminum Bathroom Finishes

1 Color

- FSB 8220 White Aluminum High Gloss
- FSB 8224 White Aluminum Matte
- FSB 8803 Light Grey Aluminum Matte
- FSB 8809 Dark Grey Aluminum Matte
- FSB 8849 Black Aluminum Matte

2 Colors

- FSB 8223 White with Light Grey
- FSB 8810 Light Grey with White
- FSB 8811 Dark Grey with Light Grey

Full list on page 575

All details subject to modification



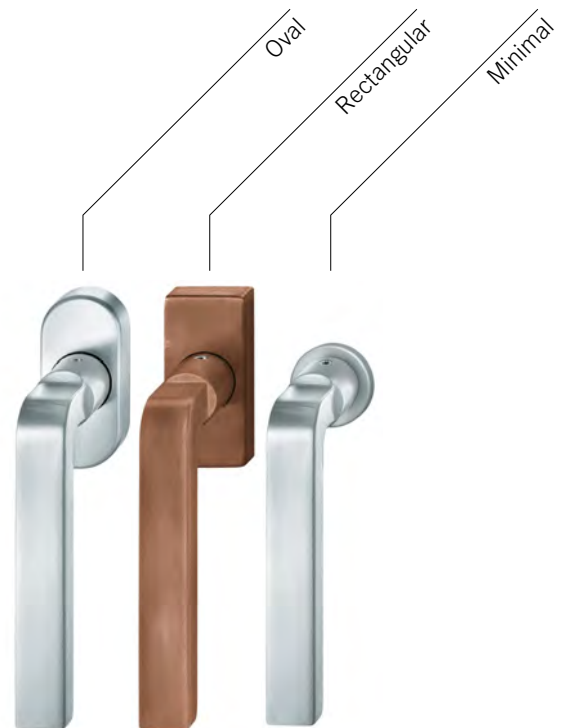
Window Handles

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.

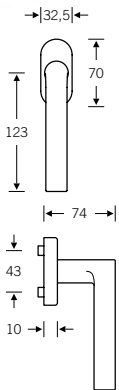
- Stainless Steel**
- Bronze**
- Aluminum**



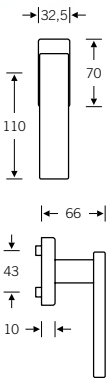
Material	■ Stainless Steel	■ Bronze	■ Aluminum	
Finishes	■ 6204 (630) ■ 6205 (629)	■ 7615 (615) ■ 7625 (613)	■ 0105 (628) ■ 0205 ■ 8120 □ 8220	■ 0410 ■ 0510 ■ 0710 (710) ■ 0810 (711)

Window Handles

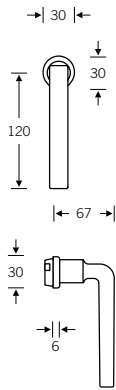
34 1001  Lever Design 1001



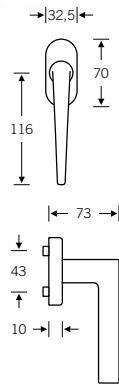
34 1003  Lever Design 1003



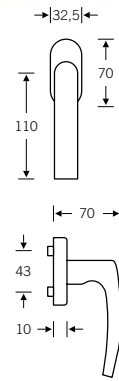
34 1004  Lever Design 1004



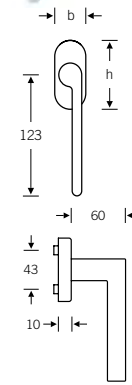
34 1005  Lever Design 1005



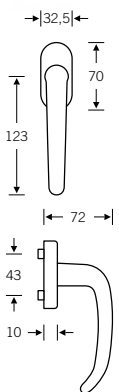
34 1015  Lever Design 1015



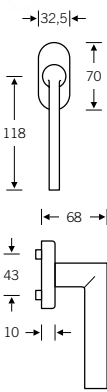
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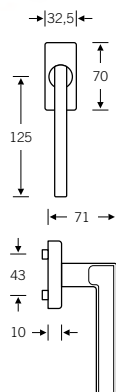
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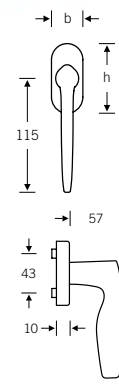
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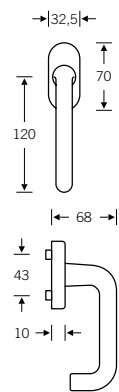
34 1035  Lever Design 1031 and 1035



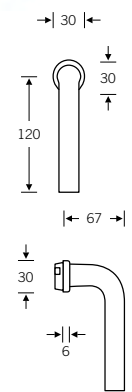
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34 1070  Lever Design 1070

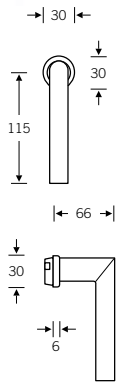


34 1075  Lever Design 1075

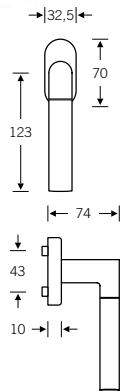


Window Handles

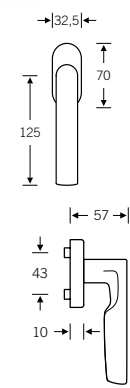
34 1076 
Lever Design 1016
and 1076




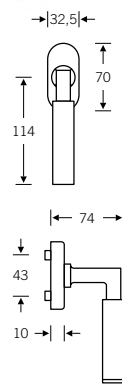
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Lever Design 1078



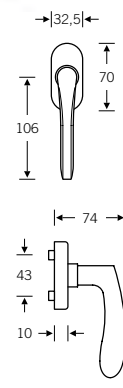
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Lever Design 1093



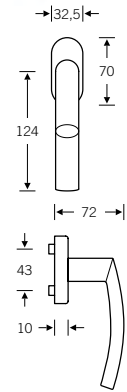
34 1102 *
Lever Design 1102



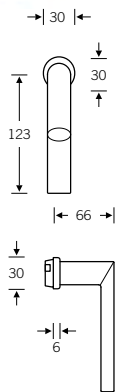
34 1106 
Lever Design 1106



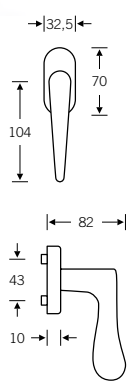
34 1107 
Lever Design 1107



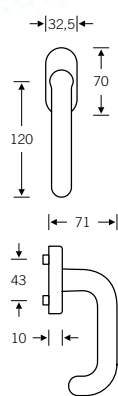
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Lever Design 1108



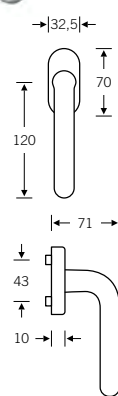
34 1144 
Lever Design 1144



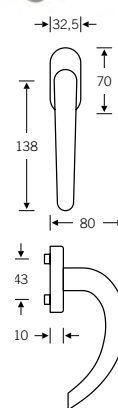
34 1146 
Lever Design 1146



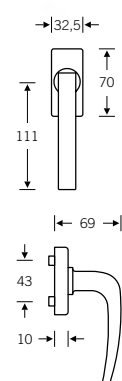
34 1147 
Lever Design 1147



34 1160 
Lever Design 1160



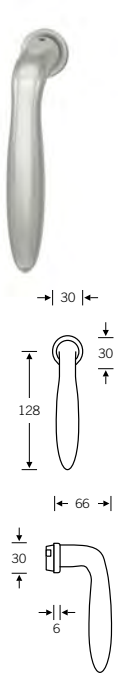
34 1163 
Lever Design 1163



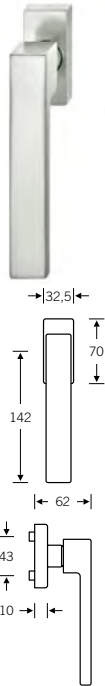
* 34 1102 window handle finish restrictions: Aluminum only available in 0105, Bronze only available in 7615

Window Handles

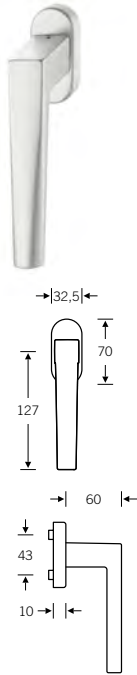
34 1176 
Lever Design 1176



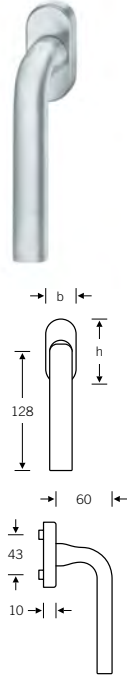
34 1183 
Lever Design 1183



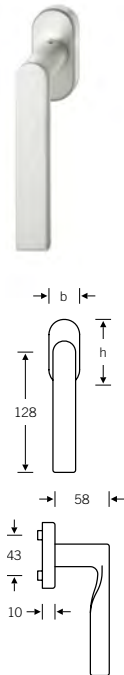
34 1241 
Lever Design 1241



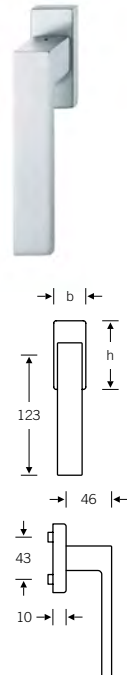
34 1242 
Lever Design 1242



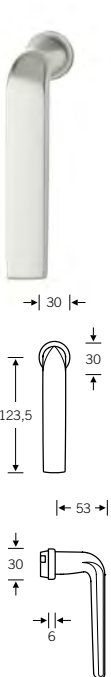
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Lever Design 1244



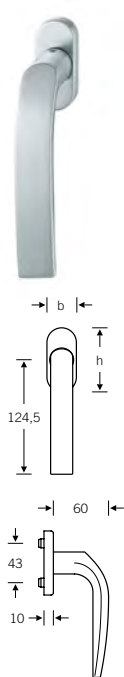
34 1251 
Lever Design 1251



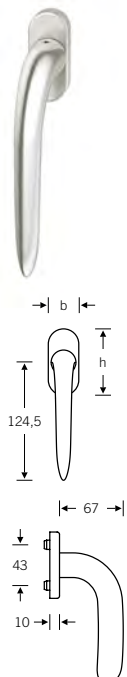
34 1267 
Lever Design 1267



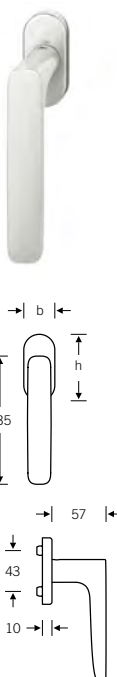
34 1271 
Lever Design 1271



34 1285 
Lever Design 1285



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

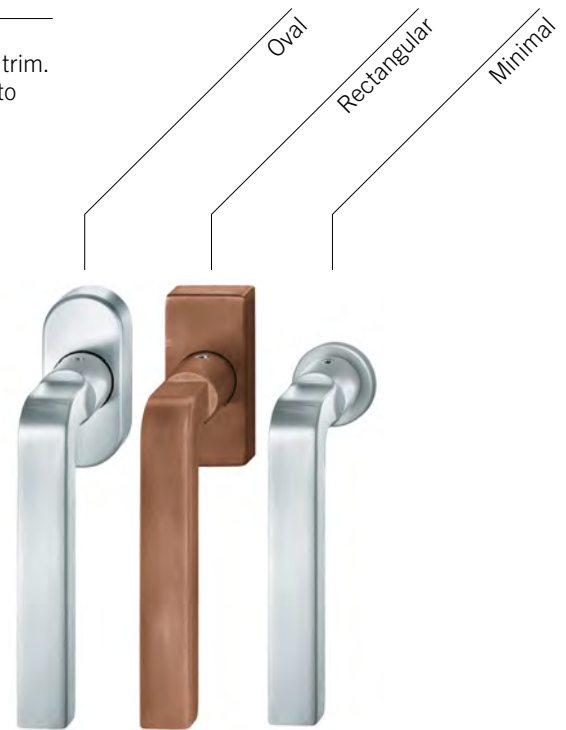
All FSB Window Handles are available in either oval, rectangular or minimal trim. To specify one of the 3 available trim options when ordering please be sure to use the correct code as shown below.

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)

	Number	Description	Bronze Finishes		Unit
			7615	7625	
Window Handles	34 1004 09039	With Oval Trim	467.03	571.19	Each
	34 1004 09040	With Rectangular Trim	485.34	594.09	Each
	34 1004 71101	With Minimal Trim	467.03	571.19	Each
	34 1015 09039	With Oval Trim	329.67	404.07	Each
	34 1015 09040	With Rectangular Trim	349.13	426.96	Each
	34 1015 71101	With Minimal Trim	329.67	404.07	Each
	34 1023 09039	With Oval Trim	294.18	360.57	Each
	34 1023 09040	With Rectangular Trim	314.79	384.61	Each
	34 1023 71101	With Minimal Trim	294.18	360.57	Each
	34 1076 09039	With Oval Trim	410.94	502.51	Each
	34 1076 09040	With Rectangular Trim	430.40	526.55	Each
	34 1076 71101	With Minimal Trim	410.94	502.51	Each
	34 1102 09039	With Oval Trim	541.43	N/A	Each
	34 1102 09040	With Rectangular Trim	560.89	N/A	Each
	34 1102 71101	With Minimal Trim	541.43	N/A	Each
	34 1106 09039	With Oval Trim	329.67	404.07	Each
	34 1106 09040	With Rectangular Trim	349.13	426.96	Each
	34 1106 71101	With Minimal Trim	329.67	404.07	Each
	34 1163 09039	With Oval Trim	468.17	572.34	Each
	34 1163 09040	With Rectangular Trim	486.49	595.23	Each
34 1163 71101	With Minimal Trim	468.17	572.34	Each	

Note: When ordering please specify spindle projection. 24-38 mm is standard. For other available lengths see page 603

Window Handles

	Number	Description	Stainless Steel		Aluminum		Unit	
			6204	6205	0105	All Other Alum.		
Window Handles	34	1001 09039	With Oval Trim	N/A	N/A	153.39	203.75	Each
	34	1001 09040	With Rectangular Trim	N/A	N/A	170.56	225.50	Each
	34	1001 71101	With Minimal Trim	N/A	N/A	153.39	203.75	Each
	34	1003 09039	With Oval Trim	274.72	336.53	171.70	227.79	Each
	34	1003 09040	With Rectangular Trim	307.92	376.60	188.87	249.54	Each
	34	1003 71101	With Minimal Trim	274.72	336.53	171.70	227.79	Each
	34	1004 09039	With Oval Trim	349.13	426.96	185.44	244.96	Each
	34	1004 09040	With Rectangular Trim	382.32	467.03	201.46	267.85	Each
	34	1004 71101	With Minimal Trim	349.13	426.96	185.44	244.96	Each
	34	1005 09039	With Oval Trim	236.95	289.60	84.71	112.18	Each
	34	1005 09040	With Rectangular Trim	270.14	330.81	101.88	135.07	Each
	34	1005 71101	With Minimal Trim	236.95	289.60	84.71	112.18	Each
	34	1015 09039	With Oval Trim	249.54	304.48	84.71	112.18	Each
	34	1015 09040	With Rectangular Trim	281.59	344.55	101.88	135.07	Each
	34	1015 71101	With Minimal Trim	249.54	304.48	84.71	112.18	Each
	34	1021 09039	With Oval Trim	331.96	406.36	117.90	156.82	Each
	34	1021 09040	With Rectangular Trim	365.15	446.42	135.07	179.71	Each
	34	1021 71101	With Minimal Trim	331.96	406.36	117.90	156.82	Each
	34	1023 09039	With Oval Trim	222.07	271.29	96.15	128.20	Each
	34	1023 09040	With Rectangular Trim	255.26	312.50	112.18	148.81	Each
	34	1023 71101	With Minimal Trim	222.07	271.29	96.15	128.20	Each
	34	1025 09039	With Oval Trim	269.00	329.67	N/A	N/A	Each
	34	1025 09040	With Rectangular Trim	269.00	329.67	N/A	N/A	Each
	34	1025 71101	With Minimal Trim	235.80	288.46	N/A	N/A	Each
	34	1035 09039	With Oval Trim	269.00	329.67	132.78	176.28	Each
	34	1035 09040	With Rectangular Trim	269.00	329.67	148.81	196.88	Each
	34	1035 71101	With Minimal Trim	235.80	288.46	132.78	176.28	Each
	34	1058 09039	With Oval Trim	236.95	289.60	95.01	125.91	Each
	34	1058 09040	With Rectangular Trim	270.14	330.81	112.18	148.81	Each
	34	1058 71101	With Minimal Trim	236.95	289.60	95.01	125.91	Each
	34	1070 09039	With Oval Trim	224.36	274.72	83.56	111.03	Each
	34	1070 09040	With Rectangular Trim	257.55	314.79	100.73	132.78	Each
	34	1070 71101	With Minimal Trim	224.36	274.72	83.56	111.03	Each
	34	1075 09039	With Oval Trim	218.63	267.85	98.44	130.49	Each
34	1075 09040	With Rectangular Trim	251.83	306.77	115.61	153.39	Each	
34	1075 71101	With Minimal Trim	218.63	267.85	98.44	130.49	Each	
34	1076 09039	With Oval Trim	236.95	289.60	117.90	156.82	Each	
34	1076 09040	With Rectangular Trim	270.14	330.81	135.07	179.71	Each	
34	1076 71101	With Minimal Trim	236.95	289.60	117.90	156.82	Each	
34	1078 09039	With Oval Trim	260.99	319.36	141.94	188.87	Each	
34	1078 09040	With Rectangular Trim	293.04	358.28	159.11	210.62	Each	
34	1078 71101	With Minimal Trim	260.99	319.36	141.94	188.87	Each	
34	1093 09039	With Oval Trim	249.54	304.48	120.19	160.25	Each	
34	1093 09040	With Rectangular Trim	281.59	344.55	136.22	180.86	Each	
34	1093 71101	With Minimal Trim	249.54	304.48	120.19	160.25	Each	
34	1102 09039	With Oval Trim	439.56	538.00	382.32	N/A	Each	
34	1102 09040	With Rectangular Trim	472.75	578.06	398.35	N/A	Each	
34	1102 71101	With Minimal Trim	439.56	538.00	382.32	N/A	Each	

Note: When ordering please specify spindle projection. 24-38 mm is standard.
For other available lengths see page 603

Window Handles

	Number	Description	Stainless Steel		Aluminum		Unit	
			6204	6205	0105	All Other Alum.		
Window Handles	34	1106 09039	With Oval Trim	249.54	304.48	135.07	179.71	Each
	34	1106 09040	With Rectangular Trim	281.59	344.55	152.24	201.46	Each
	34	1106 71101	With Minimal Trim	249.54	304.48	135.07	179.71	Each
	34	1107 09039	With Oval Trim	236.95	289.60	117.90	156.82	Each
	34	1107 09040	With Rectangular Trim	270.14	330.81	135.07	179.71	Each
	34	1107 71101	With Minimal Trim	236.95	289.60	117.90	156.82	Each
	34	1108 09039	With Oval Trim	236.95	289.60	117.90	156.82	Each
	34	1108 09040	With Rectangular Trim	270.14	330.81	135.07	179.71	Each
	34	1108 71101	With Minimal Trim	236.95	289.60	117.90	156.82	Each
	34	1144 09039	With Oval Trim	236.95	289.60	108.74	144.23	Each
	34	1144 09040	With Rectangular Trim	270.14	330.81	125.91	165.98	Each
	34	1144 71101	With Minimal Trim	236.95	289.60	108.74	144.23	Each
	34	1146 09039	With Oval Trim	236.95	289.60	120.19	160.25	Each
	34	1146 09040	With Rectangular Trim	270.14	330.81	136.22	180.86	Each
	34	1146 71101	With Minimal Trim	236.95	289.60	120.19	160.25	Each
	34	1147 09039	With Oval Trim	236.95	289.60	104.17	137.36	Each
	34	1147 09040	With Rectangular Trim	270.14	330.81	119.05	159.11	Each
	34	1147 71101	With Minimal Trim	236.95	289.60	104.17	137.36	Each
	34	1160 09039	With Oval Trim	236.95	289.60	117.90	156.82	Each
	34	1160 09040	With Rectangular Trim	270.14	330.81	135.07	179.71	Each
	34	1160 71101	With Minimal Trim	236.95	289.60	117.90	156.82	Each
	34	1163 09039	With Oval Trim	406.36	496.79	145.37	193.45	Each
	34	1163 09040	With Rectangular Trim	439.56	538.00	161.40	214.05	Each
	34	1163 71101	With Minimal Trim	406.36	496.79	145.37	193.45	Each
	34	1176 09039	With Oval Trim	236.95	289.60	117.90	156.82	Each
	34	1176 09040	With Rectangular Trim	270.14	330.81	135.07	179.71	Each
	34	1176 71101	With Minimal Trim	236.95	289.60	117.90	156.82	Each
	34	1183 09039	With Oval Trim	319.36	390.33	185.44	244.96	Each
	34	1183 09040	With Rectangular Trim	351.42	430.40	201.46	267.85	Each
	34	1183 71101	With Minimal Trim	319.36	390.33	185.44	244.96	Each
	34	1241 09039	With Oval Trim	N/A	N/A	194.59	257.55	Each
	34	1241 09040	With Rectangular Trim	N/A	N/A	209.48	278.16	Each
	34	1241 71101	With Minimal Trim	N/A	N/A	194.59	257.55	Each
	34	1244 09039	With Oval Trim	258.70	315.93	146.52	194.59	Each
34	1244 09040	With Rectangular Trim	290.75	355.99	163.69	217.49	Each	
34	1244 71101	With Minimal Trim	258.70	315.93	146.52	194.59	Each	
34	1251 09039	With Oval Trim	258.70	315.93	146.52	194.59	Each	
34	1251 09040	With Rectangular Trim	290.75	355.99	163.69	217.49	Each	
34	1251 71101	With Minimal Trim	258.70	315.93	146.52	194.59	Each	
34	1267 09039	With Oval Trim	N/A	N/A	96.15	128.20	Each	
34	1267 09040	With Rectangular Trim	N/A	N/A	112.18	148.81	Each	
34	1267 71101	With Minimal Trim	N/A	N/A	96.15	128.20	Each	
34	1285 09039	With Oval Trim	N/A	N/A	117.90	156.82	Each	
34	1285 09040	With Rectangular Trim	N/A	N/A	135.07	179.71	Each	
34	1285 71101	With Minimal Trim	N/A	N/A	117.90	156.82	Each	
34	1289 09039	With Oval Trim	N/A	N/A	117.90	156.82	Each	
34	1289 09040	With Rectangular Trim	N/A	N/A	135.07	179.71	Each	
34	1289 71101	With Minimal Trim	N/A	N/A	117.90	156.82	Each	

Note: When ordering please specify spindle projection. 24-38 mm is standard.
For other available lengths see page 603



FSB Parts

- 609 Levers
- 612 North American Mortise Lock Trim
- 612 North American Multi-Point Trim
- 615 Tubular Lock Trim
- 617 European Mortise Lock Trim
- 617 European Multi-Point Trim
- 621 Deadbolt Trim
- 625 Mortise Lock Bodies
- 641 Tubular Latches and Deadbolts
- 646 Spindles
- 649 Fasteners and Adaptors
- 652 Cylinders
- 654 Keying Charges

Levers

Stainless Steel and Aluminum Levers

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Levers	10 1001 xxxxx	Lever Handle	N/A	N/A	128.20	170.56	Each
	10 1002 xxxxx	Lever Handle	N/A	N/A	128.20	169.41	Each
	10 1003 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1004 xxxxx	Lever Handle	283.88	347.98	128.20	169.41	Each
	10 1005 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1015 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1016 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1021 xxxxx	Lever Handle	283.88	347.98	74.40	99.59	Each
	10 1023 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1025 xxxxx	Lever Handle	215.20	263.28	N/A	N/A	Each
	10 1031 xxxxx	Lever Handle	215.20	263.28	91.57	121.34	Each
	10 1035 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1045 xxxxx	Lever Handle	215.20	263.28	91.57	121.34	Each
	10 1051 xxxxx	Lever Handle	N/A	N/A	91.57	121.34	Each
	10 1053 xxxxx	Lever Handle	215.20	263.28	91.57	121.34	Each
	10 1058 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1070 xxxxx	Lever Handle	153.39	187.73	91.57	121.34	Each
	10 1074 xxxxx	Lever Handle	283.88	347.98	173.99	230.08	Each
	10 1075 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1076 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1078 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1080 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1088 xxxxx	Lever Handle	215.20	263.28	128.20	169.41	Each
	10 1093 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1102 xxxxx	Lever Handle	359.43	440.70	173.99	N/A	Each
	10 1106 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1107 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1108 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each
	10 1119 xxxxx	Lever Handle	215.20	263.28	91.57	121.34	Each
	10 1134 xxxxx	Lever Handle	359.43	440.70	173.99	230.08	Each
	10 1144 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1146 xxxxx	Lever Handle	153.39	187.73	91.57	121.34	Each
10 1147 xxxxx	Lever Handle	153.39	187.73	74.40	99.59	Each	
10 1160 xxxxx	Lever Handle	153.39	187.73	91.57	121.34	Each	
10 1163 xxxxx	Lever Handle	359.43	440.70	91.57	121.34	Each	
10 1164 xxxxx	Lever Handle	359.43	440.70	128.20	169.41	Each	

Anodized Aluminum

0105	0510
0205	0710
0410	0810

Powder Coated

8120
8220

Full list on page 8

All details subject to modification

Levers

Stainless Steel and Aluminum Levers

	Number	Description	Stainless Steel		Aluminum		Unit
			6204	6205	0105	All Other Alum.	
Levers	10 1176 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1177 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1178 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1183 xxxxx	Lever Handle	215.20	263.28	128.20	169.41	Each
	10 1241 xxxxx	Lever Handle	N/A	N/A	128.20	169.41	Each
	10 1242 xxxxx	Lever Handle	173.99	212.91	74.40	99.59	Each
	10 1244 xxxxx	Lever Handle	215.20	263.28	128.20	169.41	Each
	10 1251 xxxxx	Lever Handle	215.20	263.28	128.20	169.41	Each
	10 1267 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1271 xxxxx	Lever Handle	173.99	212.91	91.57	121.34	Each
	10 1285 xxxxx	Lever Handle	N/A	N/A	74.40	99.59	Each
	10 1289 xxxxx	Lever Handle	N/A	N/A	74.40	99.59	Each

Notes to replace “xxxx” in the part number:

1) SML, NML, and HLL Locksets, and all Multipoint trim sets, come with the 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

Bronze Levers

	Number	Description	Bronze Finishes		Unit
			7615	7625	
Levers	10 1004 xxxxx	Lever Handle	Quote	Quote	Each
	10 1015 xxxxx	Lever Handle	242.67	296.47	Each
	10 1023 xxxxx	Lever Handle	227.79	279.30	Each
	10 1045 xxxxx	Lever Handle	362.86	444.13	Each
	10 1053 xxxxx	Lever Handle	362.86	444.13	Each
	10 1076 xxxxx	Lever Handle	362.86	444.13	Each
	10 1102 xxxxx	Lever Handle	362.86	N/A	Each
	10 1106 xxxxx	Lever Handle	242.67	296.47	Each
	10 1134 xxxxx	Lever Handle	374.31	457.87	Each
	10 1163 xxxxx	Lever Handle	321.65	392.62	Each
	10 1164 xxxxx	Lever Handle	374.31	457.87	Each

Notes to replace “xxxx” in the part number:

1) SML, NML, and HLL Locksets, and all Multipoint trim sets, come with the 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

	Number	Description		Premium		Unit	
				Stainless Steel	6205		
Round Roses	17 1731 01401	RA Lever Passage	∅ 55 x 7 mm	45.79	56.09	Each	
	17 1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	45.79	56.09	Each	
	17 1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	45.79	56.09	Each	
	17 1798 02401	RD Lever Passage	∅ 65 x 7 mm	74.40	91.57	Each	
	17 1735 12601	RA/RD Cylinder Ring	∅ 55 x 7 mm	35.48	43.50	Each	
Square Roses	17 1703 01401	RM Lever Passage	∅ 55 x 7 mm	66.39	80.13	Each	
	17 1704 12601	RM Cylinder Ring	∅ 55 x 7 mm	59.52	73.26	Each	
Oval Roses	17 1758 10001	RF Lever Passage Rose	70 x 32.5 x 7 mm	38.92	46.93	Each	
	17 1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	38.92	46.93	Each	
Cylinder Rings	3 0450 19000	Mortise Cylinder Ring	41.5 x 12.7 mm	41.21	50.37	Each	
	3 0450 19001	Mortise Cylinder Ring	41.5 x 8 mm	41.21	50.37	Each	
Thumbturns	17 1744 00169	RA/RD Standard Thumbturn only	∅ 55 x 7 mm	108.74	132.78	Each	
	17 1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	175.14	214.05	Set	
	17 1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	169.41	207.19	Set	
	17 1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	243.82	297.62	Each	
	17 1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	302.19	369.73	Set	
	17 1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	296.47	361.72	Set	
	17 1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	186.58	242.56	Each	
	17 1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	193.45	235.80	Set	
	17 1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	187.73	228.94	Set	
	17 1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	264.42	323.94	Each	
	17 1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	322.80	393.77	Set	
	17 1712 09160	RM ADA "D" TT without indicator	∅ 55 x 7 mm	317.07	386.90	Set	
	3 0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	98.44	120.19	Each	
	3 0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	135.07	165.98	Set	
	Escutcheons	14 1410 09100	ED, Lever hole only	245 x 45 x 7 mm	196.88	255.95	Each
		14 1410 19101	ED, Lever x CH	245 x 45 x 7 mm	196.88	255.95	Each
		14 1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	206.04	267.85	Each
14 1410 09103		ED, Lever x ER	245 x 45 x 7 mm	194.59	252.97	Each	
14 1410 09113		ED, Lever x ERI	245 x 45 x 7 mm	194.59	252.97	Each	
14 1418 09100		EC, Lever hole only	245 x 45 x 7 mm	196.88	255.95	Each	
14 1418 19101		EC, Lever x CH	245 x 45 x 7 mm	196.88	255.95	Each	
14 1418 09102		EC, Lever x Standard TT	245 x 45 x 7 mm	206.04	267.85	Each	
14 1418 09103		EC, Lever x ER	245 x 45 x 7 mm	194.59	252.97	Each	
14 1418 09113		EC, Lever x ERI	245 x 45 x 7 mm	194.59	252.97	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

	Number	Description		Premium		Unit
				Stainless Steel	6205	
Escutcheons	14 1410 09021	Lever Only	245 x 45 x 7 mm	196.88	255.95	Each
	14 1410 09023	Cylinder Hole	245 x 45 x 7 mm	196.88	255.95	Each
	14 1410 09022	Lever x Thumbturn	245 x 45 x 7 mm	206.04	267.85	Each

Mortise Lock Trim

SML, NML, SLL

Parts

	Number	Description		Premium		Unit
				Bronze		
				7615	7625	
Round Roses	17 1731 01401	RA Lever Passage	∅ 55 x 7 mm	49.22	59.52	Each
	17 1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	49.22	59.52	Each
	17 1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	49.22	59.52	Each
	17 1798 02401	RD Lever Passage	∅ 65 x 7 mm	81.27	99.59	Each
	17 1735 12601	RA/RD Cylinder Ring	∅ 55 x 7 mm	95.01	116.76	Each
Square Roses	17 1703 01401	RM Lever Passage	∅ 55 x 7 mm	90.43	111.03	Each
	17 1704 12601	RM Cylinder Ring	∅ 55 x 7 mm	101.88	124.77	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	∅ 55 x 7 mm	196.88	240.38	Each
	17 1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	264.42	323.94	Set
	17 1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	258.70	315.93	Set
	17 1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17 1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17 1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17 1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17 1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	270.14	330.81	Set
	17 1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	264.42	323.94	Set
	17 1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17 1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17 1712 09160	RM ADA "D" TT without indicator	∅ 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	286.17	372.02
14 1410 19101		ED, Lever x CH	245 x 45 x 7 mm	302.19	392.85	Each
14 1410 09102		ED, Lever x Standard TT	245 x 45 x 7 mm	336.53	437.49	Each
14 1410 09103		ED, Lever x ER	245 x 45 x 7 mm	321.65	418.15	Each
14 1410 09113		ED, Lever x ERI	245 x 45 x 7 mm	327.38	425.59	Each
14 1418 09100		EC, Lever hole only	245 x 45 x 7 mm	286.17	372.02	Each
14 1418 19101		EC, Lever x CH	245 x 45 x 7 mm	302.19	392.85	Each
14 1418 09102		EC, Lever x Standard TT	245 x 45 x 7 mm	336.53	437.49	Each
14 1418 09103		EC, Lever x ER	245 x 45 x 7 mm	321.65	418.15	Each
14 1418 09113		EC, Lever x ERI	245 x 45 x 7 mm	327.38	425.59	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

	Number	Description		Premium		Unit
				Bronze		
				7615	7625	
Escutcheons	14 1410 09021	Lever Only	245 x 45 x 7 mm	263.75	342.88	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	310.17	382.20	Each

All details subject to modification

Mortise Lock Trim

SML, NML, SLL

	Number	Description		Elements		Unit		
				Aluminum				
				0105	All Other Alum.			
Round Roses	17	1731 01401	RA Lever Passage	∅ 55 x 7 mm	29.76	40.06	Each	
	17	1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	29.76	40.06	Each	
	17	1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	29.76	40.06	Each	
	17	1798 02401	RD Lever Passage	∅ 65 x 7 mm	64.10	84.71	Each	
	17	1735 12601	RA/RD Cylinder Ring	∅ 55 x 7 mm	29.76	40.06	Each	
Square Roses	17	1703 01401	RM Lever Passage	∅ 55 x 7 mm	66.39	87.00	Each	
	17	1704 12601	RM Cylinder Ring	∅ 55 x 7 mm	59.52	80.13	Each	
Oval Roses	17	1758 10001	RF Lever Passage Rose	70 x 32.5 x 7 mm	26.33	35.48	Each	
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	26.33	35.48	Each	
Cylinder Rings	3	0450 19000	Mortise Cylinder Ring	41.5 x 12.7 mm	37.77	49.22	Each	
	3	0450 19001	Mortise Cylinder Ring	41.5 x 8 mm	37.77	49.22	Each	
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	∅ 55 x 7 mm	84.71	112.18	Each	
	17	1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	104.17	137.36	Set	
	17	1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	97.30	129.35	Set	
	17	1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	133.93	177.42	Each	
	17	1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	156.82	208.33	Set	
	17	1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	151.10	200.32	Set	
	17	1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	146.52	194.59	Each	
	17	1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	192.31	254.12	Set	
	17	1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	186.58	247.25	Set	
	17	1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	170.56	225.50	Each	
	17	1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	193.45	256.41	Set	
	17	1712 09160	RM ADA "D" TT without indicator	∅ 55 x 7 mm	187.73	248.39	Set	
	3	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	91.57	121.34	Each	
	3	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	124.77	164.83	Set	
	Escutcheons	14	1410 09100	ED, Lever hole only	245 x 45 x 7 mm	154.53	200.89	Each
		14	1410 19101	ED, Lever x CH	245 x 45 x 7 mm	177.42	230.65	Each
		14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	190.02	247.02	Each
14		1410 09103	ED, Lever x ER	245 x 45 x 7 mm	160.25	208.33	Each	
14		1410 09113	ED, Lever x ERI	245 x 45 x 7 mm	160.25	208.33	Each	
14		1418 09100	EC, Lever hole only	245 x 45 x 7 mm	154.53	200.89	Each	
14		1418 19101	EC, Lever x CH	245 x 45 x 7 mm	177.42	230.65	Each	
14		1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	190.02	247.02	Each	
14		1418 09103	EC, Lever x ER	245 x 45 x 7 mm	160.25	208.33	Each	
14		1418 09113	EC, Lever x ERI	245 x 45 x 7 mm	160.25	208.33	Each	

CH = Cylinder Hole

TT = Thumbturn

ER = Emergency Release

ERI = Emergency Release with Indicator

Anodized Aluminum

0105 0510

0205 0710

0410 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

	Number	Description		Elements		Unit	
				Aluminum			
				0105	All Other Alum.		
Escutcheons	14	1410 09021	Lever Only	245 x 45 x 7 mm	154.53	200.89	Each
	14	1410 09023	Cylinder Hole	245 x 45 x 7 mm	177.42	230.65	Each
	14	1410 09022	Lever x Thumbturn	245 x 45 x 7 mm	190.02	247.02	Each

All details subject to modification

Tubular Lock Trim

HLL

Parts

	Number	Description	Premium		Unit	
			Stainless Steel			
			6204	6205		
55mm Round	17 1731 01401	RA Lever Passage	∅ 55 x 7 mm	45.79	56.09	Each
	17 1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	45.79	56.09	Each
	17 1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	45.79	56.09	Each
	17 1731 00154	RA Lever Privacy, RH	∅ 55 x 7 mm	57.23	70.97	Each
	17 1731 00155	RA Lever Privacy, LH	∅ 55 x 7 mm	57.23	70.97	Each
65mm Round (For 2 1/8" Bore)	17 1798 01401	RD Lever Passage	∅ 65 x 7 mm	74.40	91.57	Each
	17 1798 09009	RD Blind	∅ 65 x 7 mm	74.40	91.57	Each
	17 1798 00154	RD Lever Privacy, RH	∅ 65 x 7 mm	87.00	106.45	Each
	17 1798 00155	RD Lever Privacy, LH	∅ 65 x 7 mm	87.00	106.45	Each
Square Roses	17 1703 01401	RM Lever Passage	∅ 55 x 7 mm	66.39	80.13	Each
	17 1703 00154	RM Lever Privacy, RH	∅ 55 x 7 mm	92.72	113.32	Each
	17 1703 00155	RM Lever Privacy, LH	∅ 55 x 7 mm	92.72	113.32	Each
65mm Square	17 1797 01401	RS Lever Passage	∅ 65 x 7 mm	84.71	104.17	Each
	17 1797 00154	RS Lever Privacy, RH	∅ 65 x 7 mm	115.61	141.94	Each
	17 1797 00155	RS Lever Privacy, LH	∅ 65 x 7 mm	115.61	141.94	Each
Oval Roses	17 1758 10001	RF Lever Passage	70 x 32.5 x 7 mm	38.92	46.93	Each
	17 1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	38.92	46.93	Each
Escutcheons	14 1410 09100	ED, Lever only	245 x 45 x 7 mm	95.01	123.51	Each
	14 1418 09100	EC, Lever only	245 x 45 x 7 mm	95.01	123.51	Each
	14 1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	154.53	200.89	Each
	14 1410 09103	ED, Lever x ER	245 x 45 x 7 mm	128.20	166.66	Each
	14 1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	154.53	200.89	Each
	14 1418 09103	EC, Lever x ER	245 x 45 x 7 mm	128.20	166.66	Each
Privacy Pin	3 0450 09148	Privacy Push Pin		22.89	28.62	Each

	Number	Description	Premium		Unit	
			Bronze			
			7615	7625		
55mm Round	17 1731 01401	RA Lever Passage	∅ 55 x 7 mm	49.22	59.52	Each
	17 1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	49.22	59.52	Each
	17 1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	49.22	59.52	Each
	17 1731 00154	RA Lever Privacy, RH	∅ 55 x 7 mm	60.67	75.55	Each
	17 1731 00155	RA Lever Privacy, LH	∅ 55 x 7 mm	60.67	75.55	Each
65mm Round (For 2 1/8" Bore)	17 1798 01401	RD Lever Passage	∅ 65 x 7 mm	81.27	99.59	Each
	17 1798 09009	RD Blind	∅ 65 x 7 mm	81.27	99.59	Each
	17 1798 00154	RD Lever Privacy, RH	∅ 65 x 7 mm	93.86	114.47	Each
	17 1798 00155	RD Lever Privacy, LH	∅ 65 x 7 mm	93.86	114.47	Each
55mm Square	17 1703 01401	RM Lever Passage	∅ 55 x 7 mm	90.43	111.03	Each
	17 1703 00154	RM Lever Privacy, RH	∅ 55 x 7 mm	103.02	125.91	Each
	17 1703 00155	RM Lever Privacy, LH	∅ 55 x 7 mm	103.02	125.91	Each
65mm Square	17 1797 01401	RS Lever Passage	∅ 65 x 7 mm	N/A	N/A	Each
	17 1797 00154	RS Lever Privacy, RH	∅ 65 x 7 mm	N/A	N/A	Each
	17 1797 00155	RS Lever Privacy, LH	∅ 65 x 7 mm	N/A	N/A	Each
Oval	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	286.17	372.02	Each
	14 1418 09100	EC, Lever only	245 x 45 x 7 mm	286.17	372.02	Each
	14 1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	336.53	437.49	Each
	14 1410 09103	ED, Lever x ER	245 x 45 x 7 mm	321.65	418.15	Each
	14 1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	336.53	437.49	Each
	14 1418 09103	EC, Lever x ER	245 x 45 x 7 mm	321.65	418.15	Each
Privacy Pin	3 0450 09148	Privacy Push Pin		25.18	32.05	Each

All details subject to modification

Tubular Lock Trim

HLL

	Number	Description		Elements		Unit	
				Aluminum	Aluminum		
				0105	All Other Alum.		
55mm Round	17	1731 01401	RA Lever Passage	∅ 55 x 7 mm	29.76	40.06	Each
	17	1731 09008	RA Blind - Through Bolted	∅ 55 x 7 mm	29.76	40.06	Each
	17	1731 09010	RA Blind - Surface Mounted	∅ 55 x 7 mm	29.76	40.06	Each
	17	1731 00154	RA Lever Privacy, RH	∅ 55 x 7 mm	42.35	56.09	Each
	17	1731 00155	RA Lever Privacy, LH	∅ 55 x 7 mm	42.35	56.09	Each
65mm Round (For 2 1/8" Bore)	17	1798 01401	RD Lever Passage	∅ 65 x 7 mm	64.10	84.71	Each
	17	1798 09009	RD Blind	∅ 65 x 7 mm	64.10	84.71	Each
	17	1798 00154	RD Lever Privacy, RH	∅ 65 x 7 mm	75.55	100.73	Each
	17	1798 00155	RD Lever Privacy, LH	∅ 65 x 7 mm	75.55	100.73	Each
Square Roses	17	1703 01401	RM Lever Passage	∅ 55 x 7 mm	66.39	87.00	Each
	17	1703 00154	RM Lever Privacy, RH	∅ 55 x 7 mm	77.84	104.17	Each
	17	1703 00155	RM Lever Privacy, LH	∅ 55 x 7 mm	77.84	104.17	Each
65mm Square	17	1797 01401	RS Lever Passage	∅ 65 x 7 mm	84.71	112.18	Each
	17	1797 00154	RS Lever Privacy, RH	∅ 65 x 7 mm	115.61	153.39	Each
	17	1797 00155	RS Lever Privacy, LH	∅ 65 x 7 mm	115.61	153.39	Each
Oval Roses	17	1758 10001	RF Lever Passage	70 x 32.5 x 7 mm	26.33	35.48	Each
	17	1758 00000	RF Blind Oval	70 x 32.5 x 7 mm	26.33	35.48	Each
Escutcheons	14	1410 09100	ED, Lever only	245 x 45 x 7 mm	75.55	98.21	Each
	14	1418 09100	EC, Lever only	245 x 45 x 7 mm	75.55	98.21	Each
	14	1410 09102	ED, Lever x Standard TT	245 x 45 x 7 mm	124.77	162.20	Each
	14	1410 09103	ED, Lever x ER	245 x 45 x 7 mm	97.30	126.49	Each
	14	1418 09102	EC, Lever x Standard TT	245 x 45 x 7 mm	124.77	162.20	Each
	14	1418 09103	EC, Lever x ER	245 x 45 x 7 mm	97.30	126.49	Each
Privacy Pin	3	0450 09148	Privacy Push Pin		22.89	30.91	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

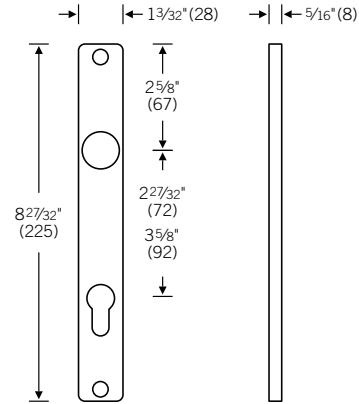
Parts

European Mortise Lock Trim

EML Trim Sets

Dimensions and Details

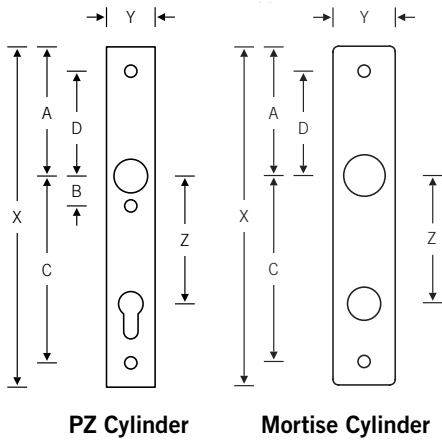
- 14 1550 01010 PZ 72 mm
- 14 1550 01012 PZ 92 mm



Note: European Escutcheons cannot be used with ANSI mortise locks.

Special Length Laser Cut Escutcheon

14 1458 00299



	PZ Cylinder	Mortise Cylinder
Escutcheon Thickness	<input type="checkbox"/> 3 mm	<input type="checkbox"/> 3 mm
Door Thickness		
Length X		
Width Y		
Dimension A		
Dimension B		
Dimension C		
Dimension D		
Spacing Z		
Holes		
Screw Fasteners (visibility)	<input type="checkbox"/> one side <input type="checkbox"/> both sides	<input type="checkbox"/> one side <input type="checkbox"/> both sides
Handle Bearing	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*

* only for screws visible one side
Please specify 6204 or 6205 finish.

All details subject to modification

European Mortise Lock Trim

EML Trim Sets

	Number	Description		Premium		Unit
				Stainless Steel	6205	
Round Roses and Thumbturns	12 1731 00101	RA Lever Passage Set	∅ 55x7mm	90.43	111.03	Set
	12 1735 00210	RA Cylinder Ring	∅ 55x7mm	80.13	98.44	Pair
	12 1735 10054	RA Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	211.76	259.84	Set
	12 1735 20054	RA Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	264.42	323.94	Set
	12 1735 30054	RA Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	264.42	323.94	Set
	12 1735 10055	RA Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	204.90	251.83	Set
	12 1735 20055	RA Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	257.55	314.79	Set
Square Roses and Thumbturns	12 1703 00101	RM Lever Passage Set	∅ 55x7mm	131.64	160.25	Set
	12 1704 00210	RM Cylinder Ring - PZ	∅ 55x7mm	112.18	137.36	Pair
	12 1704 10054	RM Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	243.82	297.62	Set
	12 1704 20054	RM Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	296.47	361.72	Set
	12 1704 30054	RM Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	296.47	361.72	Set
	12 1704 10055	RM Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	224.36	274.72	Set
	12 1704 20055	RM Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	275.87	338.82	Set
Escutcheons	12 1410 02101	ED, Lever hole only	245x45x7mm	196.88	240.38	Each
	12 1410 02110	ED, Lever x CH at 72mm	245x45x7mm	196.88	240.38	Each
	12 1410 12554	ED Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	334.25	409.79	Set
	12 1410 22554	ED Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	386.90	472.75	Set
	12 1410 22554	ED Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	386.90	472.75	Set
	12 1410 12555	ED Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	328.52	402.93	Set
	12 1410 22555	ED Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	381.18	465.88	Set
	12 1410 32555	ED Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	381.18	465.88	Set
	14 1418 02101	EC, Lever hole only	245x45x7mm	196.88	255.95	Each
	14 1418 02110	EC, Lever x CH	245x45x7mm	196.88	255.95	Each
	14 1418 12554	EC Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	334.25	434.52	Set
	14 1418 22554	EC Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	386.90	502.97	Set
	14 1418 32554	EC Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	386.90	502.97	Set
	14 1418 12555	EC Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	328.52	427.08	Set
14 1418 22555	EC Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	381.18	495.53	Set	
14 1418 32555	EC Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	381.18	495.53	Set	
Visible Fasteners	14 1550 01001	Slim, Lever Hole Only	225x28x8mm	184.29	239.58	Each
	14 1550 01010	Slim, Lever x PZ CH (72mm CTC)	225x28x8mm	184.29	239.58	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

European Multi-Point Trim

	Number	Description		Premium		Unit
				Stainless Steel	6205	
Escutcheons	12 1410 09021	ED, Lever Only	245x45x7mm	196.88	255.95	Each
	12 1410 19112	ED, Lever x CH at 92mm	245x45x7mm	196.88	255.95	Each
	12 1418 02101	EC, Lever hole only	245x45x7mm	196.88	255.95	Each
	12 1418 02110	EC, Lever x CH	245x45x7mm	196.88	255.95	Each
	12 1550 01012	Slim, Lever x PZ CH (92mm CTC)	225x28x8mm	184.29	239.58	Each

European Mortise Lock Trim

EML Trim Sets

Parts

	Number	Description		Premium		Unit
				Bronze	7625	
Round Roses and Thumbturns	12 1731 00101	RA Lever Passage	∅ 55x7mm	97.30	119.05	Set
	12 1735 00210	RA Cylinder Ring	∅ 55x7mm	95.01	116.76	Each
	12 1735 10054	RA Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	275.87	338.82	Set
	12 1735 20054	RA Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	328.52	402.93	Set
	12 1735 30054	RA Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	328.52	402.93	Set
	12 1735 10055	RA Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	270.14	330.81	Set
	12 1735 20055	RA Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	322.80	393.77	Set
	12 1735 30055	RA Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	322.80	393.77	Set
Square Roses Thumbturns	12 1703 00101	RM Lever Passage	∅ 55x7mm	179.71	219.78	Set
	12 1704 10054	RM Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	282.73	345.69	Each
	12 1704 20054	RM Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	334.25	409.79	Set
	12 1704 30054	RM Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	334.25	409.79	Set
	12 1704 10055	RM Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	275.87	338.82	Set
	12 1704 20055	RM Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	328.52	402.93	Set
	12 1704 30055	RM Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	328.52	402.93	Set
Escutcheons	12 1410 02101	ED, Lever hole only	245x45x7mm	238.09	290.75	Each
	12 1410 02110	ED, Lever x CH at 72mm	245x45x7mm	238.09	290.75	Each
	12 1410 12554	ED Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	391.48	478.47	Set
	12 1410 22554	ED Standard TT w/indicator for 2 1/8" - 2 3/4" DT	246x45x7mm	444.13	542.58	Set
	12 1410 22554	ED Standard TT w/indicator for 2 7/8" - 3 3/4" DT	247x45x7mm	444.13	542.58	Set
	12 1410 12555	ED Standard TT w/o indicator 1 3/8" - 2" DT	248x45x7mm	385.76	471.61	Set
	12 1410 22555	ED Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	248x45x7mm	437.27	534.56	Set
	12 1410 32555	ED Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	248x45x7mm	437.27	534.56	Set
	14 1418 02101	EC, Lever hole only	245x45x7mm	238.09	309.52	Each
	14 1418 02110	EC, Lever x CH	245x45x7mm	238.09	309.52	Each
	14 1418 12554	EC Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	391.48	508.92	Set
	14 1418 22554	EC Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	444.13	577.37	Set
	14 1418 32554	EC Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	444.13	577.37	Set
	14 1418 12555	EC Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	385.76	501.48	Set
	14 1418 22555	EC Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	437.27	568.45	Set
	14 1418 32555	EC Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	437.27	568.45	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

	Number	Description		Premium		Unit
				Bronze	7625	
Escutcheons	12 1410 09021	ED, Lever Only	245x45x7mm	238.09	309.52	Each
	12 1410 19112	ED, Lever x CH at 92mm	245x45x7mm	238.09	309.52	Each
	12 1418 01801	EC, Lever hole only	245x45x7mm	238.09	309.52	Each
	12 1418 02110	EC, Lever x CH	245x45x7mm	238.09	309.52	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	∅ 55x7mm	58.38	77.84	Set
	12 1735 00210	RA Cylinder Ring	∅ 55x7mm	49.22	65.25	Each
	12 1735 10054	RA Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	117.90	156.82	Set
	12 1735 20054	RA Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	170.56	225.50	Set
	12 1735 30054	RA Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	170.56	225.50	Set
	12 1735 10055	RA Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	111.03	146.52	Set
	12 1735 20055	RA Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	162.54	216.34	Set
	12 1735 30055	RA Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	162.54	216.34	Set
Square Roses and Thumbturns	12 1703 00101	RM Lever Passage Set	∅ 55x7mm	131.64	173.99	Set
	12 1704 00210	RM Cylinder Ring - PZ	∅ 55x7mm	112.18	148.81	Each
	12 1704 10054	RM Standard TT w/indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	219.78	291.89	Set
	12 1704 20054	RM Standard TT w/indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	271.29	359.43	Set
	12 1704 30054	RM Standard TT w/indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	271.29	359.43	Set
	12 1704 10055	RM Standard TT w/o indicator Set for 1 3/8" - 2" DT	∅ 55x7mm	211.76	281.59	Set
	12 1704 20055	RM Standard TT w/o indicator Set for 2 1/8" - 2 3/4" DT	∅ 55x7mm	264.42	351.42	Set
	12 1704 30055	RM Standard TT w/o indicator Set for 2 7/8" - 3 3/4" DT	∅ 55x7mm	264.42	351.42	Set
Escutcheons	12 1410 02101	ED, Lever hole only	245x45x7mm	188.87	249.54	Each
	12 1410 02110	ED, Lever x CH at 72mm	245x45x7mm	188.87	249.54	Each
	12 1410 12554	ED Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	251.83	333.10	Set
	12 1410 22554	ED Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	303.34	401.78	Set
	12 1410 22554	ED Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	303.34	401.78	Set
	12 1410 12555	ED Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	244.96	325.09	Set
	12 1410 22555	ED Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	297.62	393.77	Set
	12 1410 32555	ED Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	297.62	393.77	Set
	14 1418 02101	EC, Lever hole only	245x45x7mm	188.87	245.53	Each
	14 1418 02110	EC, Lever x CH	245x45x7mm	188.87	245.53	Each
	14 1418 12554	EC Standard TT w/indicator for 1 3/8" - 2" DT	245x45x7mm	251.83	327.38	Set
	14 1418 22554	EC Standard TT w/indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	303.34	394.34	Set
	14 1418 32554	EC Standard TT w/indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	303.34	394.34	Set
	14 1418 12555	EC Standard TT w/o indicator 1 3/8" - 2" DT	245x45x7mm	244.96	318.45	Set
	14 1418 22555	EC Standard TT w/o indicator for 2 1/8" - 2 3/4" DT	245x45x7mm	297.62	386.90	Set
	14 1418 32555	EC Standard TT w/o indicator for 2 7/8" - 3 3/4" DT	245x45x7mm	297.62	386.90	Set
Visible Fasteners	14 1550 01001	Slim, Lever Hole Only	225x28x8mm	165.98	215.77	Each
	14 1550 01010	Slim, Lever x PZ CH (72mm CTC)	225x28x8mm	165.98	215.77	Each

CH = Cylinder Hole, TT = Thumbturn
 ER = Emergency Release, ERI = Emergency Release with Indicator

Anodized Aluminum

- 0105
- 0205
- 0410
- 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

All details subject to modification

European Multi-Point Trim

	Number	Description		Elements		Unit
				Aluminum		
				0105	All Other Alum.	
Escutcheons	12 1410 09021	ED, Lever Only	245x45x7mm	188.87	245.53	Each
	12 1410 19112	ED, Lever x CH at 92mm	245x45x7mm	188.87	245.53	Each
	12 1418 02101	EC, Lever hole only	245x45x7mm	188.87	245.53	Each
	12 1418 02110	EC, Lever x CH	245x45x7mm	188.87	245.53	Each
	12 1550 01012	Slim, Lever x PZ CH (92mm CTC)	225x28x8mm	165.98	215.77	Each

Deadbolt Lock Trim

HDD, MDD Trim Sets

	Number	Description		Premium		Unit	
				Stainless Steel			
				6204	6205		
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	∅ 55 x 7 mm	108.74	132.78	Each
	17	1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	175.14	214.05	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	169.41	207.19	Set
	17	1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	243.82	297.62	Each
	17	1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	302.19	369.73	Set
	17	1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	296.47	361.72	Set
	17	1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17	1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	193.45	235.80	Set
	17	1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	187.73	228.94	Set
	17	1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	264.42	323.94	Each
	17	1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	322.80	393.77	Set
	17	1712 09160	RM ADA "D" TT without indicator	∅ 55 x 7 mm	317.07	386.90	Set
	14	0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	98.44	120.19	Each
	14	0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	135.07	165.98	Set

	Number	Description		Premium		Unit	
				Bronze			
				7615	7625		
Thumbturns	17	1744 00169	RA/RD Standard Thumbturn only	∅ 55 x 7 mm	196.88	240.38	Each
	17	1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	264.42	323.94	Set
	17	1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	258.70	315.93	Set
	17	1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17	1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17	1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17	1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17	1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	270.14	330.81	Set
	17	1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	264.42	323.94	Set
	17	1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17	1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	N/A	N/A	Set
	17	1712 09160	RM ADA "D" TT without indicator	∅ 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

	Number	Description		Elements		Unit
				Aluminum	All Other Alum.	
Thumbturns	17 1744 00169	RA/RD Standard Thumbturn only	∅ 55 x 7 mm	84.71	112.18	Each
	17 1744 00159	RA/RD Standard TT with indicator	∅ 55 x 7 mm	104.17	137.36	Set
	17 1744 00160	RA/RD Standard TT w/o indicator	∅ 55 x 7 mm	97.30	129.35	Set
	17 1744 09169	RA/RD ADA "D" Thumbturn only	∅ 55 x 7 mm	133.93	177.42	Each
	17 1744 09159	RA/RD ADA "D" TT with indicator	∅ 55 x 7 mm	156.82	208.33	Set
	17 1744 09160	RA/RD ADA "D" TT without indicator	∅ 55 x 7 mm	151.10	200.32	Set
	17 1712 00169	RM Standard Thumbturn only	∅ 55 x 7 mm	N/A	N/A	Each
	17 1712 00159	RM Standard TT with indicator	∅ 55 x 7 mm	192.31	254.12	Set
	17 1712 00160	RM Standard TT without indicator	∅ 55 x 7 mm	186.58	247.25	Set
	17 1712 09169	RM ADA "D" Thumbturn only	∅ 55 x 7 mm	154.53	204.90	Each
	17 1712 09159	RM ADA "D" TT with indicator	∅ 55 x 7 mm	177.42	234.66	Set
	17 1712 09160	RM ADA "D" TT without indicator	∅ 55 x 7 mm	171.70	227.79	Set
	14 0418 09001	RF Crescent Thumbturn only	48 x 32.5 x 7 mm	91.57	121.34	Each
	14 0418 09002	RF Crescent TT with indicator	49 x 32.5 x 7 mm	124.77	164.83	Set

All details subject to modification

Deadbolt Lock Trim

KDD Trim Sets

					Premium Stainless Steel		Unit
		Number	Description		6204	6205	
Round Roses	3	0450 09152	LA Round 1 $\frac{5}{8}$ Prep	\emptyset 55 x 14.3 mm	73.26	89.28	Each
	3	0450 09153	LD Round 2 $\frac{1}{8}$ Prep	\emptyset 65 x 14.3 mm	91.57	112.18	Each
	3	0450 09011	DA Round 1 $\frac{5}{8}$ Prep	\emptyset 55 x 17 mm	88.14	107.60	Each
	3	0450 09010	DD Round 2 $\frac{1}{8}$ Prep	\emptyset 65 x 17 mm	117.90	145.37	Each
Square Rose	3	0450 09154	LM Square 1 $\frac{5}{8}$ Prep	\emptyset 55 x 14.3 mm	137.36	168.27	Each
Thumbturn	3	0450 09012	Fits all Deadbolt Roses	\emptyset 35.2 x 26.5 mm	133.93	164.83	Each

					Elements Aluminum		Unit
		Number	Description		0105	All Other Alum.	
Round Roses	3	0450 09011	DA Round 1 $\frac{5}{8}$ Prep	\emptyset 55 x 17 mm	78.98	105.31	Each
	3	0450 09010	DD Round 2 $\frac{1}{8}$ Prep	\emptyset 65 x 17 mm	91.57	121.34	Each
Thumbturn	3	0450 09012	Fits all Deadbolt Roses	\emptyset 35.2 x 26.5 mm	109.89	145.37	Each

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)

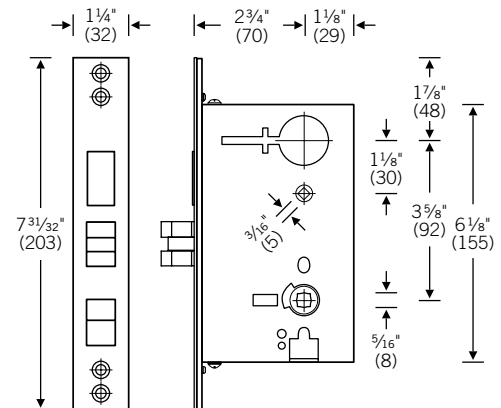
3 3/4" (95 mm)

5" (127 mm)

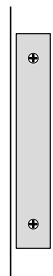
6" (152 mm)

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.

All details subject to modification

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

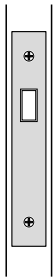
Lock Body and Functions

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.

All details subject to modification

Magnetic Mortise Lock Series SML

Lock Body and Functions



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)

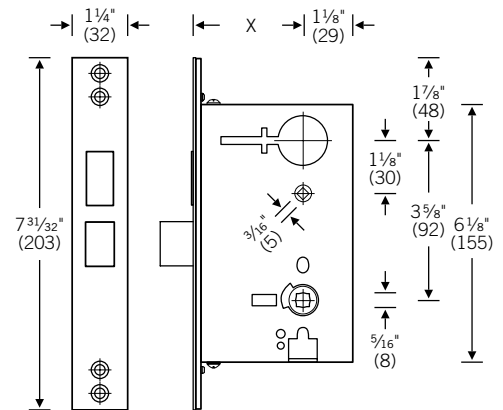
3 3/4" (95 mm)

5" (127 mm)

6" (152 mm)

Lock Body

All Magnetic SML use the same lock bodies.

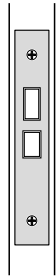


All details subject to modification

Magnetic Mortise Lock Series SML

Lock Body and Functions

SML 7124M

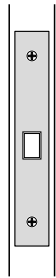


Magnetic Dormitory, Function BM – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

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.

All details subject to modification

Electrified Mortise Lock Series SML

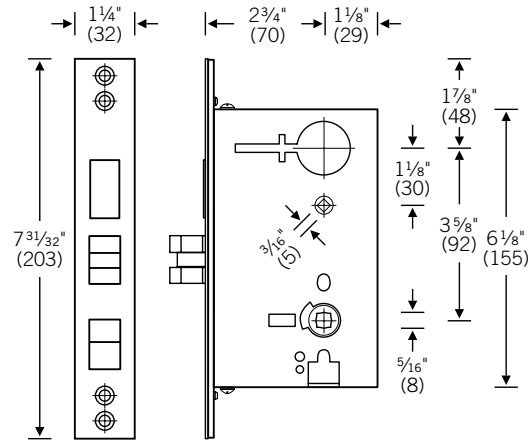
Lock Body and Functions

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

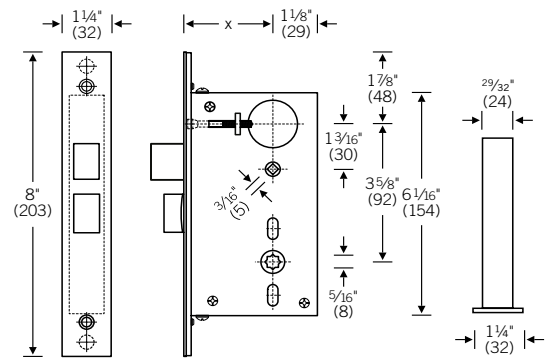
Recommended for minimum 1 3/4" (45 mm) door thickness with standard 1 1/4" (32 mm) armor front. 1" (25.4 mm) armor front available for doors with 1 3/8" (35 mm) door thickness.

Lock Body

All NML use the same lock bodies, and are non-reversible.

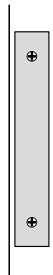
Backsets

- 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

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.

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.

All details subject to modification

Magnetic Narrow Mortise Lock Series NML

Lock Body and Functions

Parts



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)

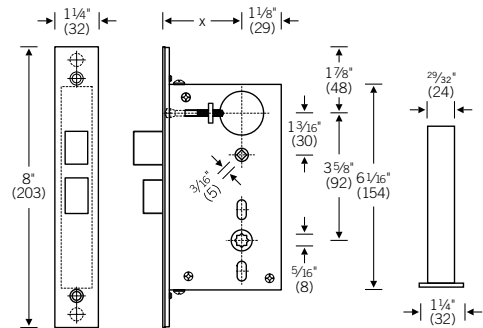
1 3/4" (45 mm)

2 3/4" (51 mm)

2 1/4" (57 mm)

Lock Body

All Magnetic NML use the same lock bodies.

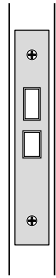


All details subject to modification

Magnetic Narrow Mortise Lock Series NML

Lock Body and Functions

NML 7124M

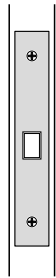


Magnetic Dormitory, Function BM – ANSI Code F13
Deadbolt by thumb turn inside and key or emergency release outside.

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.

All details subject to modification

European Mortise Lock Series EML

Lock Body and Functions, Strikes

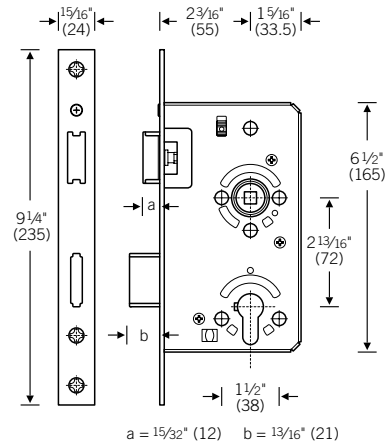


Series EML

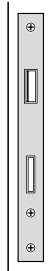
European Mortise Lock

Recommended for minimum 1 3/8" (35 mm) door thickness.

EML Mortise lock scalp is only available in Stainless Finish.



EML 0001



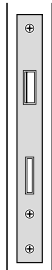
Store Door, Function A

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

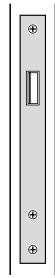
Lever to thumbturn center-to-center: 3 1/16" (78 mm).

All details subject to modification

European Mortise Lock Series EML

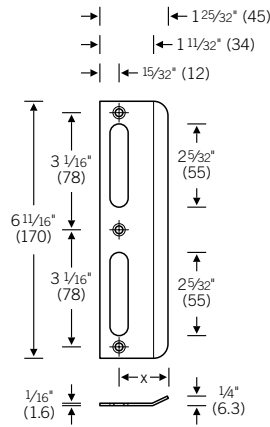
Lock Body and Functions, Strikes

EML 0003



Passage, Function C

Latch bolt by handle either side.



EML 1001

EML Series Mortise Strike without dustbox

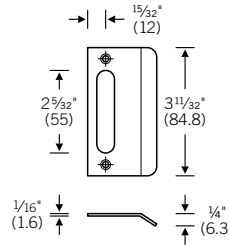
Entry/Privacy Functions

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

All details subject to modification

Parts	Descriptions	Unit	Price
Strikes	EML 1001 99	Extended Lip Strike for 2 1/4" - 3 3/4" DT	Each 67.54
Dust box	EML 2001	Stainless Steel Dust Box (6204)	Each 41.21
European Mortise Lock Cases	EML 0001	A, B Store Door, Dormitory	115.61
	EML 0002	E Privacy	115.61
	EML 0003	C Passage	113.32
	EML 0004	N, P Deadbolts	113.32

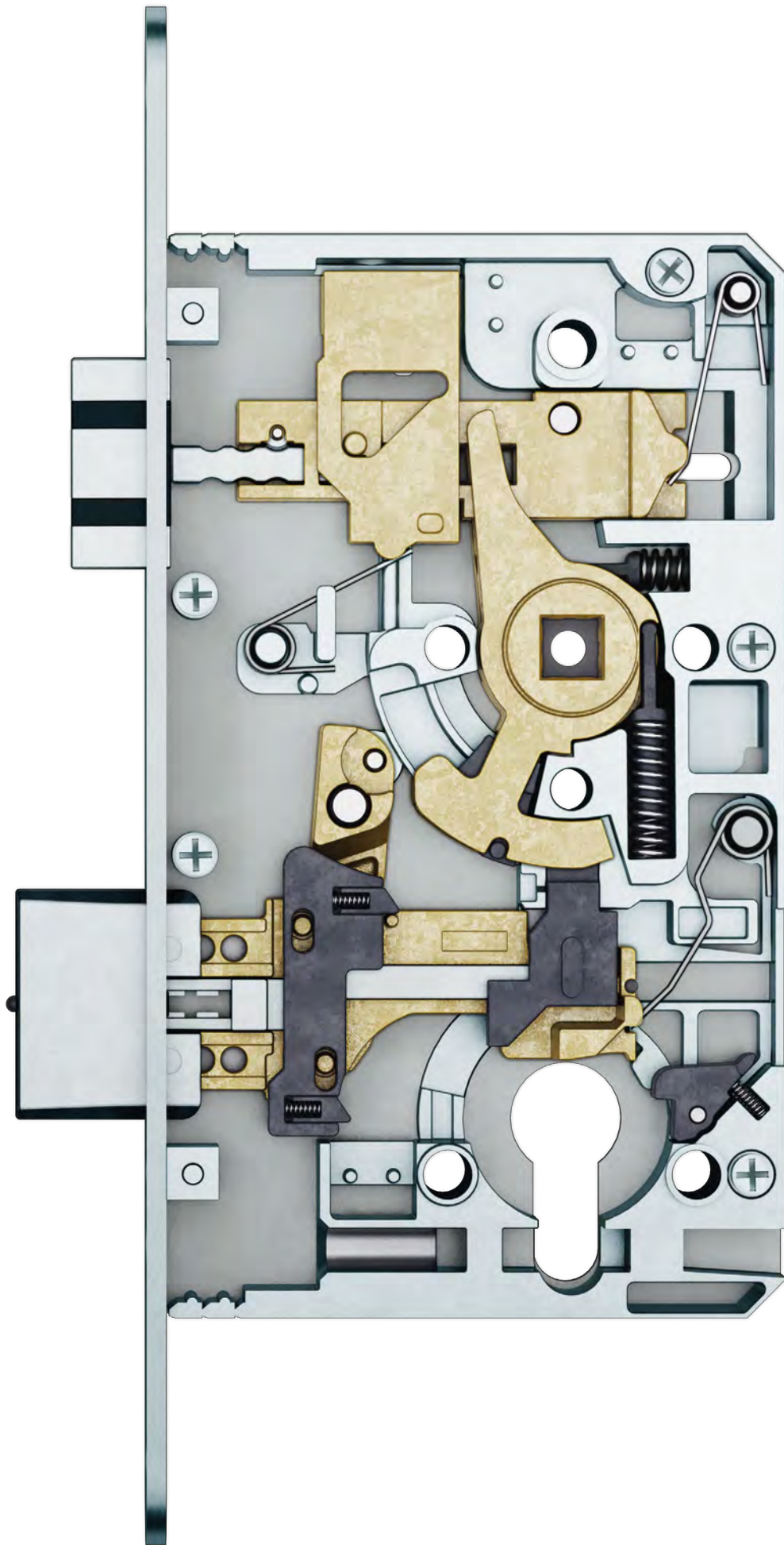
Note: Prices are for 55 mm backsets

Mortise and Sliding Lock Bodies and Cases

	Number	Function	Description	Stainless	Bronze	Unit	
Standard Mortise Lock Body Only for 2¾" Backset 1¾" Door Thickness Includes strike, scalp & dust box. For options see SML options page.	SML 7122	A	Store Door	420.10	455.58	Each	
	SML 7124	B,E,T	Dormitory, Privacy, Patio	420.10	455.58	Each	
	SML 7124 M	BM,EM,TM	Magnetic Dormitory, Privacy, Patio	1284.33	-	Each	
	SML 7125	C	Passage	342.26	376.60	Each	
	SML 7125 M	CM	Magnetic Passage	1215.64	-	Each	
	SML 7134	D	Hotel	448.71	483.05	Each	
	SML 7145	G	Classroom	448.71	483.05	Each	
	SML 7148	H	Entrance	448.71	483.05	Each	
	SML 7156	I	Office	448.71	483.05	Each	
	SML 7159	J	Storeroom	434.98	470.46	Each	
	SML 7159 EU	J	Storeroom, Electrified Fail Secure	1417.11	1452.59	Each	
	SML 7159 EL	J	Storeroom, Electrified Fail Safe	1417.11	1452.59	Each	
	SML 7159 M	JM	Magnetic Storeroom	936.34	-	Each	
	SML 7167	K	Apartment	492.21	527.70	Each	
	SML 7181	N,P	Deadbolt Functions	298.76	333.10	Each	
Active Dummy Mounting Case	SML 7100		Standard Body Prepared as Dummy	349.13	384.61	Each	
	SML 7100 AS		Standard Body Prepared as a Strike	755.49	790.97	Each	
Narrow Mortise Lock Body Only Includes strike, scalp & dust box. For options see NML options page.	NML 7122	A	Store Door	684.52	718.86	Each	
	NML 7124	B,E,T	Dormitory, Privacy, Patio	684.52	718.86	Each	
	NML 7124 M	BM,EM,TM	Magnetic Dormitory, Privacy, Patio	1593.39	-	Each	
	NML 7125	C	Passage	499.08	534.56	Each	
	NML 7125 M	CM	Magnetic Passage	1411.38	-	Each	
	NML 7145	G	Classroom	741.75	776.09	Each	
	NML 7148	H	Entrance	741.75	776.09	Each	
	NML 7156	I	Office	741.75	776.09	Each	
Active Dummy Mounting Case	NML 7159	J	Storeroom	684.52	718.86	Each	
	NML 7159 M	JM	Magnetic Storeroom	1593.39	-	Each	
	NML 7181	N,P	Deadbolt functions	499.08	534.56	Each	
	NML 7100		Narrow Body Prepared as Dummy	499.08	534.56	Each	
	NML 7100 AS		Narrow Body Prepared as a Strike	849.35	884.83	Each	
	European Mortise Lock Cases	EML 0001	A,B	Store Door, Dormitory	115.61	-	Each
		EML 0002	E	Privacy	115.61	-	Each
EML 0003		C	Passage	113.32	-	Each	
EML 0004		N,P	Deadbolts	113.32	-	Each	

Parts	Number	Unit	Price
Lock Case Only	SDL 7001	Sliding Door Lock 2 ½" or 2 ¾" BS	Each 522.97
	SPL 7002	Sliding Door Lock, Edge Pull, 2 ½" or 2 ¾" BS	Each 564.20
	SPL 7003	Sliding Door Lock as Strike, 2 ½" or 2 ¾" BS	Each 564.20
	SLL 7005	Sliding Lever Lock, 2 ½" or 2 ¾" BS	Each 739.97
European Lock Case Only	ESL 7001	Sliding Door Lock, 55 mm Back Set	Each 220.26
	EPL 7002	Sliding Door Lock, Edge Pull, 55 mm Back Set	Each 266.91
	EPL 7003	Sliding Door Lock as Strike, 55 mm Back Set	Each 220.26

All details subject to modification



All details subject to modification

Heavy Duty Lever Latch Series HLL

Latch Body and Functions



Series HLL

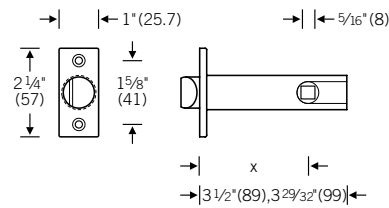
Heavy Duty Lever Latch
Passage and Privacy

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.



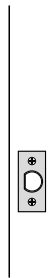
HLL 7230

Passage Latch

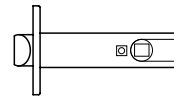
Latch bolt by handle either side.

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	171.70	206.04
	HLL 7230	Passage Latch	101.88	121.34
	HLL 7240	Privacy Latch	122.48	146.52
	HLL 7230 M	Magnetic Passage Latch	201.46	-
	HLL 7240 M	Magnetic Privacy Latch	206.04	-
Note: Specify 2 3/8" or 2 3/4" backset and finish.				
Tubular Strikes	HLL 1001	HLL Strike for Spring Latch	13.74	16.03
	HLL 1001 99	T1 - T5 Strike	40.06	46.93
	HLL 1001 99	T6 - T11	48.08	57.23
	HLL 1002	ANSI HLL Strike T14	29.76	35.48
	HLL 1002	ANSI HLL Strikes T12, T13, T15, T16	40.06	46.93
	HLL 1002	ANSI HLL Strikes T17 - T22	48.08	57.23
	HLL 1003	Full Lip Strike	20.60	25.18
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	5.72
Dust box	HLL 2001	Plastic Dust Box	Each	8.01

All details subject to modification

HLL Series

Magnetic Tubular Locks



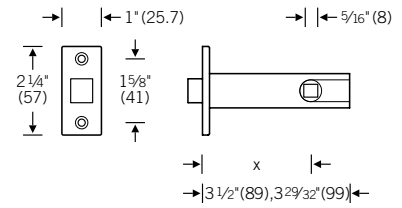
Series HLL

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.



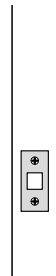
HLL 7230M

Magnetic Passage Latch

Latch bolt by handle either side.

HLL 7240M

Magnetic Privacy Latch



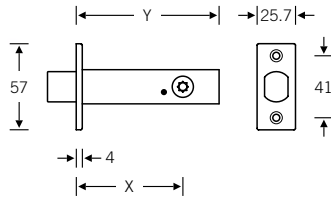
Latch bolt by handle either side.
Outside handle locked by pushbutton
inside. Outside handle unlocked by retract-
ing inside handle, emergency release tool
or closing the door.
Supplied with 8 mm hub as shown.



All details subject to modification

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

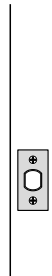
Universal deadbolt strike with dustbox.

Faceplates

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

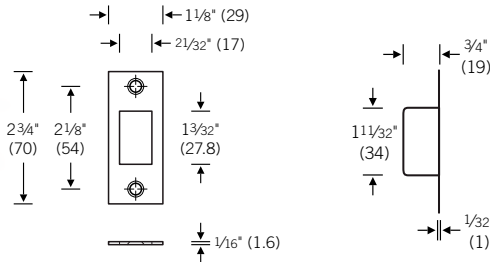
HDD 7220

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)

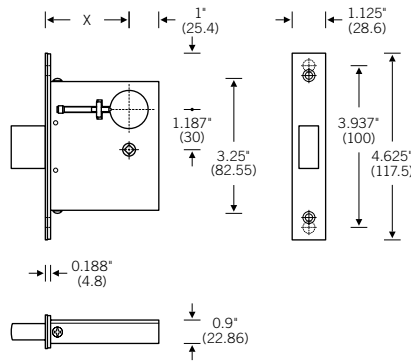
HLL 2001

Dustbox for HDD 7220
(Heavy Duty Privacy Deadbolt)

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	HDD 7220	Heavy Duty Privacy Deadbolt	100.73	120.19
Strike	HDD 1001	Strike for HDD	16.03	21.75
Dustbox	HLL 2001	Dustbox for HDD	8.01	8.01

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

$2\frac{1}{2}''$ (64 mm)
 $2\frac{3}{4}''$ (70 mm)

Strike

Mini mortise deadbolt strike with dustbox.

Face Plate

Faceplate width $1\frac{1}{4}''$ (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	303.34	-
Strike	MDD 1001	Strike for KDD	26.33	-

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)

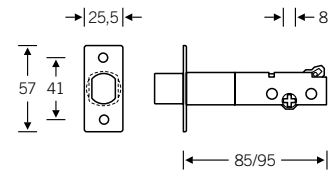
2 3/4" (70 mm)

Strike

Universal deadbolt strike with dustbox.

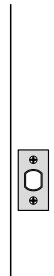
Faceplate width 1" (25.4 mm).

Recommended for minimum 1 3/8" (35 mm) door thickness.



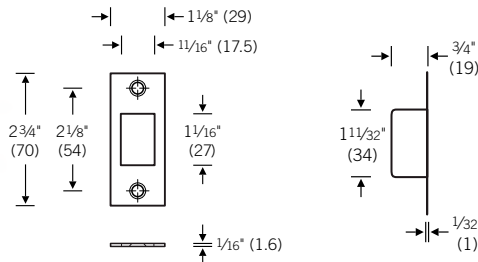
KDD 7070

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)

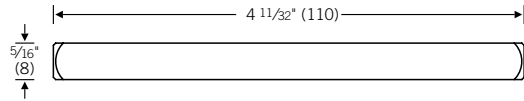
HLL 2001

Dustbox for KDD 7070
(Keyed Deadbolt)

Parts	Numbers	Applications	Price	
			Stainless	Bronze
Deadbolt	KDD 7070	Keyed Deadbolt	91.57	101.88
Strike	HDD 1001	Strike for KDD	16.03	21.75
Dustbox	HLL 2001	Dustbox for KDD	8.01	-

Spindles

05 0553 xxxxx - Kit



0553 10001

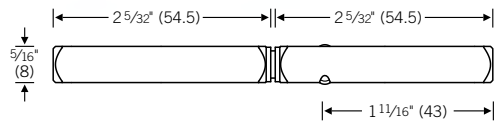
FSB ASL® straight spindle

Straight spindles available for DT (Door Thickness) up to 3 3/4" (95 mm) on request.

- 05 0553 10001 5/16" x 4 11/32" (8 x 110 mm) 1 3/8"-2" DT
- 05 0553 10002 5/16" x 5 1/8" (8 x 130 mm) 2 1/8"-2 3/4" DT
- 05 0553 10003 5/16" x 5 29/32" (8 x 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" x 4 11/32" (8 x 110 mm) 1 3/8"-2" DT
- 05 0553 20002 5/16" x 5 1/8" (8 x 130 mm) 2 1/8"-2 3/4" DT
- 05 0553 20003 5/16" x 5 29/32" (8 x 150 mm) 3"-3 3/4" DT

Offset Swivel Spindles

- 05 0553 20012 5/16" x 4 25/32" (8 x 120 mm)
1 1/16"-1" Outside Offset x 1 1/16"-1 3/8" Inside Offset
- 05 0553 20013 5/16" x 5 3/20" (8 x 130 mm)
1 1/16"-1" Outside Offset x 1 3/8"-1 7/8" Inside Offset
- 05 0553 20021 5/16" x 4 25/32" (8 x 120 mm)
1 1/16"-1 3/8" Outside Offset x 1 1/16"-1" Inside Offset
- 05 0553 20023 5/16" x 5 11/20" (8 x 140 mm)
1 1/16"-1 3/8" Outside Offset x 1 3/8"-1 7/8" Inside Offset
- 05 0553 20031 5/16" x 5 3/20" (8 x 130 mm)
1 3/8"-1 7/8" Outside Offset x 1 1/16"-1" Inside Offset
- 05 0553 20032 5/16" x 5 11/20" (8 x 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.

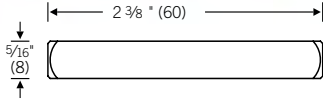
All details subject to modification

Spindles

05 0199

FSB ASL® half spindle

05 0199 00004 5700 5/16" x 2 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 3/8" - 2" Door	18.31	Each
	05 0553 10002	8 x 130 mm 2 1/8" - 2 3/4" Door	18.31	Each
	05 0553 10003	8 x 150 mm 3" - 3 3/4" Door	18.31	Each
Swivel Spindles*	05 0553 20001	8 x 110 mm 1 3/8" - 2" Door	30.91	Each
	05 0553 20002	8 x 130 mm 2 1/8" - 2 3/4" Door	30.91	Each
	05 0553 20003	8 x 150 mm 3" - 3 3/4" Door	30.91	Each
Offset Swivel Spindles*	05 0553 20012	8 x 120 mm 1 1/16" - 1" OS x 1 1/16" - 1 3/8" IS	120.19	Each
	05 0553 20013	8 x 130 mm 1 1/16" - 1" OS x 1 3/8" - 1 7/8" IS	120.19	Each
	05 0553 20021	8 x 120 mm 1 1/16" - 1 3/8" OS x 1 1/16" - 1" IS	120.19	Each
	05 0553 20023	8 x 140 mm 1 1/16" - 1 3/8" OS x 1 3/8" - 1 7/8" IS	120.19	Each
	05 0553 20031	8 x 130 mm 1 3/8" - 1 7/8" OS x 1 1/16" - 1" IS	120.19	Each
	05 0553 20032	8 x 140 mm 1 3/8" - 1 7/8" OS x 1 1/16" - 1 3/8" IS	120.19	Each
Half Spindle	05 0199	8 x 60 mm	11.45	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	32.05	Each
	05 0115 00812	8 x 65 mm Used with EML only	32.05	Each
	05 0115 00814	8 x 70 mm Used with EML only	32.05	Each
	05 0115 00816	8 x 75 mm Used with EML only	32.05	Each
	05 0115 00818	8 x 80 mm Used with EML only	32.05	Each
Lift & Slide Spindle (10mm)	05 0174 01026	10 x 100 mm	21.75	Each
	05 0174 01034	10 x 120 mm	21.75	Each

Fasteners

05 0302

Galvanized Steel Lens Head Tapping Screw



05 0302 04240	$\frac{5}{32}$ "	$\times 1\frac{19}{32}$ "	(4.2 × 40 mm)
05 0302 04245	$\frac{5}{32}$ "	$\times 1\frac{25}{32}$ "	(4.2 × 45 mm)
05 0302 04250	$\frac{5}{32}$ "	$\times 1\frac{31}{32}$ "	(4.2 × 50 mm)
05 0302 04255	$\frac{5}{32}$ "	$\times 2\frac{3}{16}$ "	(4.2 × 55 mm)
05 0302 04260	$\frac{5}{32}$ "	$\times 2\frac{3}{8}$ "	(4.2 × 60 mm)
05 0302 04265	$\frac{5}{32}$ "	$\times 2\frac{9}{16}$ "	(4.2 × 65 mm)
05 0302 04270	$\frac{5}{32}$ "	$\times 2\frac{3}{4}$ "	(4.2 × 70 mm)
05 0302 04280	$\frac{5}{32}$ "	$\times 3\frac{5}{32}$ "	(4.2 × 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 650)

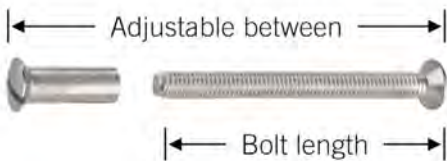


For door thickness

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 × 16 mm)
03 0315 03916	$\frac{5}{32}$ "	$\times \frac{5}{8}$ "	(3.9 × 16 mm)
03 0315 04219	$\frac{5}{32}$ "	$\times \frac{3}{4}$ "	(4.2 × 19 mm)

Fasteners

05 0316



Threaded Screw for Wood -
for 61 6254, 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

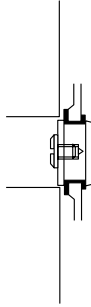
Stainless Steel
05 0319 00800 M8

Screws

	Number	Description	Price	Unit
Lens Head Tapping Screws	05 0302 04240	40 mm	5.72	Each
	05 0302 04245	45 mm	5.72	Each
	05 0302 04250	50 mm	5.72	Each
	05 0302 04255	55 mm	5.72	Each
	05 0302 04260	60 mm	5.72	Each
	05 0302 04265	65 mm	5.72	Each
	05 0302 04270	70 mm	6.87	Each
	05 0302 04280	80 mm	6.87	Each
	05 0303 00515	15 mm	5.72	Each
Countersunk Threaded Bolts	05 0303 00535	35 mm	5.72	Each
	05 0308 00555	55 mm	5.72	Each
	05 0308 00565	65 mm	5.72	Each
	05 0308 00575	75 mm	5.72	Each
	05 0308 00585	85 mm	5.72	Each
	05 0308 00595	95 mm	5.72	Each
	05 0308 00501	105 mm	8.01	Each
Sex Bolts with M4 Threaded Nut	05 0309 00435	35 mm	6.87	Each
	05 0309 00440	40 mm	6.87	Each
	05 0309 00445	45 mm	6.87	Each
	05 0309 00450	50 mm	6.87	Each
	05 0309 00455	55 mm	6.87	Each
	05 0309 00460	60 mm	6.87	Each
Metal Screws	05 0315 02916	2.9 x 16 mm	2.29	Each
	05 0315 03916	3.9 x 16 mm	2.29	Each
	05 0315 04219	4.2 x 19 mm	2.29	Each
Screw and Nut for 6254, 6268 Pulls	05 0315 00840	Screw M8 40 mm	6.87	Each
	05 0319 00800	Dome Nut M8	3.43	Each
M6 Lever Set Screws	05 0599 00073	ASL	4.58	Each
	05 0402 00601	8 mm	4.58	Each
	05 0402 00602	9 mm	4.58	Each
	05 0402 00603	10.5 mm	4.58	Each
	05 0402 00604	11.5 mm	4.58	Each

All details subject to modification

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	12.59	Each
	05 0313 00680	80 mm	12.59	Each
	05 0313 00880	80 mm	12.59	Each
Spindles	03 0442 00050	Spindle with Cap for Single Lever, 75 mm	35.48	Each
Adaptor Sleeves	05 0425 00809	8 to 9 mm	4.58	Each
	05 0425 00810	8 to 10 mm	4.58	Each
	05 0425 00885	8 to 8.5 mm	5.72	Each
	05 0425 00910	9 to 10 mm	4.58	Each
	03 0450 09065	8 mm square to 5 mm diamond	4.58	Each
	03 0450 09170	5 mm diamond spindle to 8 mm square hub	4.58	Each
Escutcheon Part	03 0441	Blind Cap for Lever Hole	36.63	Each
Threaded Insert	03 0450	1 1/32" Threaded Insert for M5 Screw	5.72	Each
Emergency Key	34 3464	Heavy-Duty Release Key for Privacy Rose, 8 mm	32.05	Each
Alignment Tool	34 0423 09001	Thumbturn Alignment Tool	9.16	Each
Sub-Constructions	03 0450 09149	For SML, NML, SLL, EML on RA/RD/RM/RS	4.58	Each
	03 0450 09150	For HLL on RD/RS 2 1/8" bore	6.87	Each
	03 0450 09161	For EC-ED	5.72	Each
	03 0450 09162	For EC-ED with Mortise Cylinder	5.72	Each
1-Sided Disc for Mortise	0423 1000	For 1-Sided Mortise Lock Applications	133.93	Each

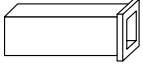
All details subject to modification

Adaptors

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)

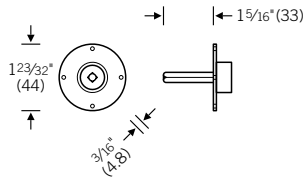
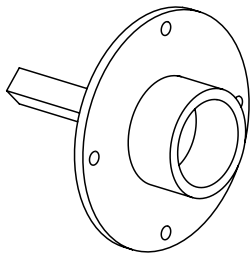
To be used with narrow style rose 1758.



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)	70.97	N/A	70.97	N/A	Each
Mortise	88 8806 7165	1" - Supplied with Clover Cam SC19	38.92	42.35	38.92	46.93	Each
	88 8806 7185	1 1/8" - Supplied with Clover Cam SC19	38.92	42.35	38.92	46.93	Each
	88 8806 7205	1 1/4" - Supplied with Clover Cam SC19	38.92	42.35	38.92	46.93	Each
	88 8806 7245	1 1/2" - Supplied with Clover Cam SC19	57.23	64.10	57.23	72.11	Each
	88 8806 7285	1 3/4" - Supplied with Clover Cam SC19	101.88	112.18	101.88	128.20	Each
	88 8806 7325	2" - Supplied with Clover Cam SC19	130.49	139.65	130.49	159.11	Each
Rim	KDD 8834	Single Rim Cylinder - with Tailpiece	58.38	65.25	58.38	73.26	Each
	KDD 8835	Double Rim Cylinder - with Tailpiece	87.00	95.01	87.00	108.74	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	115.02	N/A	N/A	Each
	88 8812 0070	Key x Key 70 mm	133.61	N/A	N/A	Each
	88 8812 0164	Key x Turn 64 mm - Standard Thumbturn	227.72	214.94	360.17	Each
	88 8812 0170	Key x Turn 70 mm - Standard Thumbturn	242.83	227.72	374.11	Each
	88 8812 0230	1/2 Cylinder 30 mm - Standard Thumbturn	194.03	180.09	N/A	Each
	88 8812 0235	1/2 Cylinder 35 mm - Standard Thumbturn	201.00	185.90	N/A	Each
Profile (PZ) (KD)	88 8812 1064	Key x Key 64 mm	108.05	N/A	N/A	Each
	88 8812 1070	Key x Key 70 mm	128.96	N/A	N/A	Each
	88 8812 1164	Key x Turn 64 mm - Standard Thumbturn	221.91	209.13	353.20	Each
	88 8812 1170	Key x Turn 70 mm - Standard Thumbturn	235.85	221.91	367.14	Each
PZ Thumbturn	03 0448 0900	Turnpiece Thumbturn for PZ Cylinder	91.57	53.80	59.52	Each

Note: All PZ cylinders come with a standard thumbturn in the selected finish.

All details subject to modification

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

Keying Charges

	Description	Net Price Surcharge	Unit
Standard	Keyed Alike	12.59	Each
Cylinders (2 cut keys)	Masterkeyed (2 level system)	16.03	Each
	Grand Masterkeyed (3 level system)	18.31	Each
	Great Grand Masterkeyed (4 level system)	18.31	Each
	Construction Masterkeying	Quote only	
	Set up Fee For Grand and Great Grand Systems	83.56	
Profile (PZ) (2 cut keys)	Keyed Alike	13.74	Each
	Masterkeyed (2 level system)	17.17	Each
Keys	Blank Keys	3.43	Each
	Additional Cut Keys	4.58	Each
	Stamp Key Symbol on Key	2.29	Each

Note: All Keying charges are net prices. Discounts do not apply.



Stocked Product

Stocked Product





FSB Stocked Product

FSB In Stock

Our most popular items "In-Stock" and available to ship in 10 working days or less.

Stocked Product Overview

Stocked Product Items ship in 10 Business Days or less.
Full details and descriptions of products are listed elsewhere in the catalog.

- **6204** Satin Stainless Steel (630) [US32D]
- **0810** Black Color Anodized Textured Aluminum (671)

Stocked Product

HLL - Tubular Locks



* Indicate handing if selecting Z function
^ T5 Strike only for door thickness of 2 1/4"

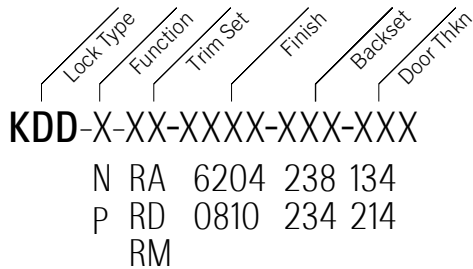
Stocked HLL Options

Functions: Passage (C), Privacy (E), Single Dummy (Z)

Trim: RA, RM: 55 mm / RD: 65 mm
Backset: 2 3/8" or 2 3/4"
Door Thickness: 1 3/8", 1 3/4" or 2 1/4"

55 mm Roses require a custom 7/8" Prep
65 mm Rose covers standard 2 1/8" Prep

KDD - Deadbolts



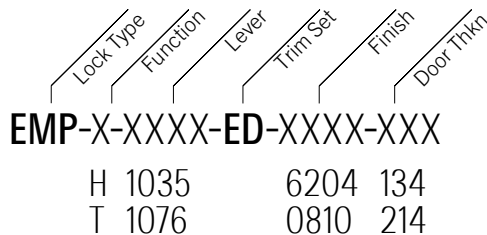
Stocked KDD Options

Functions: Key x Key (N), Key x Thumbturn (P)

Trim: RA, RM: 55 mm / RD: 65 mm
Backset: 2 3/8" or 2 3/4"
Door Thickness: 1 3/4" or 2 1/4"

55 mm Roses require a custom 7/8" Prep
65 mm Rose covers standard 2 1/8" Prep

EMP - Multi-Point

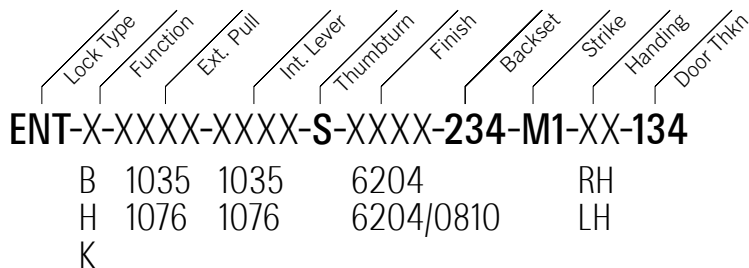


Stocked EMP Options

Functions: Entrance (H), Patio (T)

Standard Thumbturn for H and T functions.
Trim: ED: 245 mm
Door Thickness: 1 3/4" or 2 1/4"

ENT - Entrance Sets



Stocked ENT Options

Functions: Dormitory (B), Entrance (H), Apartment (K)

Standard Thumbturn for all functions
Exterior Trim: 405 mm (Satin Stainless Steel only)
Interior Trim: 245 mm (Satin Stainless or 0810 Aluminum)
Backset: 2 3/4"
Door Thickness: 1 3/4"

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

1035



1076



Stocked Product

HLL Pricing

		RA		RD		RM	
		Stainless Steel	Aluminum	Stainless Steel	Aluminum	Stainless Steel	Aluminum
Standard Functions		6204	0810	6204	0810	6204	0810
C	Passage	420.80	388.59	492.01	497.51	483.06	510.87
E	Privacy	459.72	431.45	531.04	544.02	503.15	553.62
Dummy Functions							
Z	Fixed Single Dummy	197.37	158.47	232.79	212.08	228.50	219.61

KDD Pricing

		RA		RD		RM	
		Stainless Steel	Aluminum	Stainless Steel	Aluminum	Stainless Steel	Aluminum
Standard Functions		6204	0810	6204	0810	6204	0810
N	Deadbolt - Key x Key	360.28	370.41	413.38	488.22	400.67	608.15
P	Deadbolt - Key x TT	449.07	466.89	498.38	584.70	485.67	700.83

EMP Pricing

		ED	
		Stainless Steel	Aluminum
Standard Functions		6204	0810
H	Entrance	739.86	689.47
T	Patio	688.77	701.28

ENT Pricing

		1035	1035	1076	1076
		Stainless Steel	Stainless Steel/Aluminum	Stainless Steel	Stainless Steel/Aluminum
Standard Functions		6204	6204/0810	6204	6204/0810
B	Dormitory	1301.71	1301.71	1235.98	1235.98
H	Entrance	1348.19	1348.19	1282.47	1282.47
K	Apartment	1384.97	1384.97	1319.24	1319.24

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9101 0002	549	SML 7125	626, 630
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9101 0007	550	SML 7156	627
9101 0050	551	SML 7159	627, 630
9101 0051	551	SML 7159 EU/EL	631
9101 0052	552	SML 7159 JEU/JEL	628
9101 0053	552	SML 7159M	630
AGD 1035 00000	399	SML 7167	628
AGD 1076 00000	399	SML 7181	628
AGD 1251 00000	400	SPP 7000	397
AGD xxxx 00001	400	SW 3	98



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