

FB Series

# Flush Bolts



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**I-TEK<sup>®</sup>**

**Headquarters and Operation Office:**

I-TEK Metal Manufacturing Co., Ltd. 18 Gungye  
3rd Road, Annan, Tainan 709, Taiwan.

**T** 886 6 3840722  
**F** 886 6 3840715  
**E** [sd@iteklock.com.tw](mailto:sd@iteklock.com.tw)

**U.S. Regional Office:**

I-TEK Metal Manufacturing Inc., 409 North  
Figueroa Street, Wilmington, CA 90744

**T** (310) 513-8016  
**F** (310) 513-8620  
**E** [iteklock@aol.com](mailto:iteklock@aol.com)  
[iteklockus@gmail.com](mailto:iteklockus@gmail.com)

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ANSI Grade 1  
Door Hardware

**FB** Series

# Flush Bolts

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# About I-TEK

Since its establishment in 1958, I-TEK has continually adopted a proactive approach toward manufacturing extensive varieties of locksets and architectural hardware, insisting on providing the best quality products and services that our customers deserve. With more than 50 years of manufacturing experience, our excellent product design capability and our professionalism in the lock industry, I-TEK is well known for being "keen on quality, with customer satisfaction being our priority", gaining us our customers' trust and confidence for many years. At present, I-TEK is one of the few professional lock suppliers that can produce Grade 1 and Grade 2 door locks in Asia.

Innovation, quality, security, sharing and speed are the major operational beliefs that I-TEK adheres to. We strive for quality assurance and customer satisfaction within the overall framework of the quality system. Our vision is to become a total solutions provider that offers a complete range of products and services in accordance with customer demands in the commercial lock industry.

When it comes to locks, you know that I-TEK can provide you with the best solutions.



# Automatic Flush Bolts



Installed on the top and bottom of the inactive door, the Automatic Flush Bolts automatically locks/unlocks the inactive door whenever the active door is being closed/opened.



# Self-Latching Flush Bolts



The top bolt is manually released while the bottom bolt automatically releases when the active door is opened for unlocking the inactive door. The inactive door locks again when the inactive and active door is closed in sequence.

# Self-Latching Flush Bolts

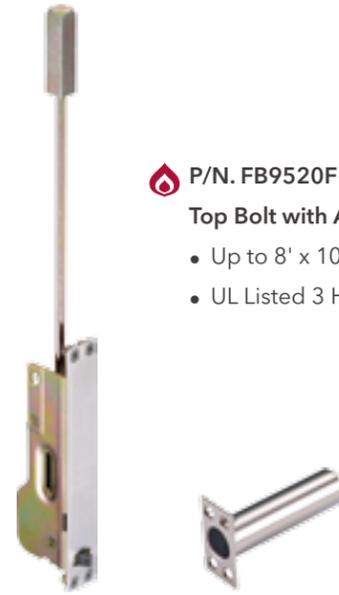
Self-Latching Flush Bolts will engage the strike as the inactive door closes, locking the inactive door. The top bolt can be manually released. The bottom bolt, which is an Automatic Flush Bolt, will engage the frame and sill strike only when the active door is closed, released when the active door is opened.

## Metal Door



- P/N. FB9520P**  
Top and Bottom Bolts (Pair)
- Up to 8' x 10' Metal Door Pairs.
  - UL Listed 3 Hour Fire Rating.

P/N. FB9520T Top Bolt  
P/N. FB9510B Bottom Bolt



- P/N. FB9520F**  
Top Bolt with Auxiliary Fire Bolt
- Up to 8' x 10' Metal Door Pairs.
  - UL Listed 3 Hour Fire Rating.

P/N. FB9520T Top Bolt  
P/N. 68-4502 Fire Bolt

## Wood Door



- P/N. FB9521P**  
Top and Bottom Bolts (Pair)
- Up to 8' x 10' Wood Door Pairs.
  - UL Listed 1-1/2 Hour Fire Rating.

P/N. FB9521T Top Bolt  
P/N. FB9511B Bottom Bolt



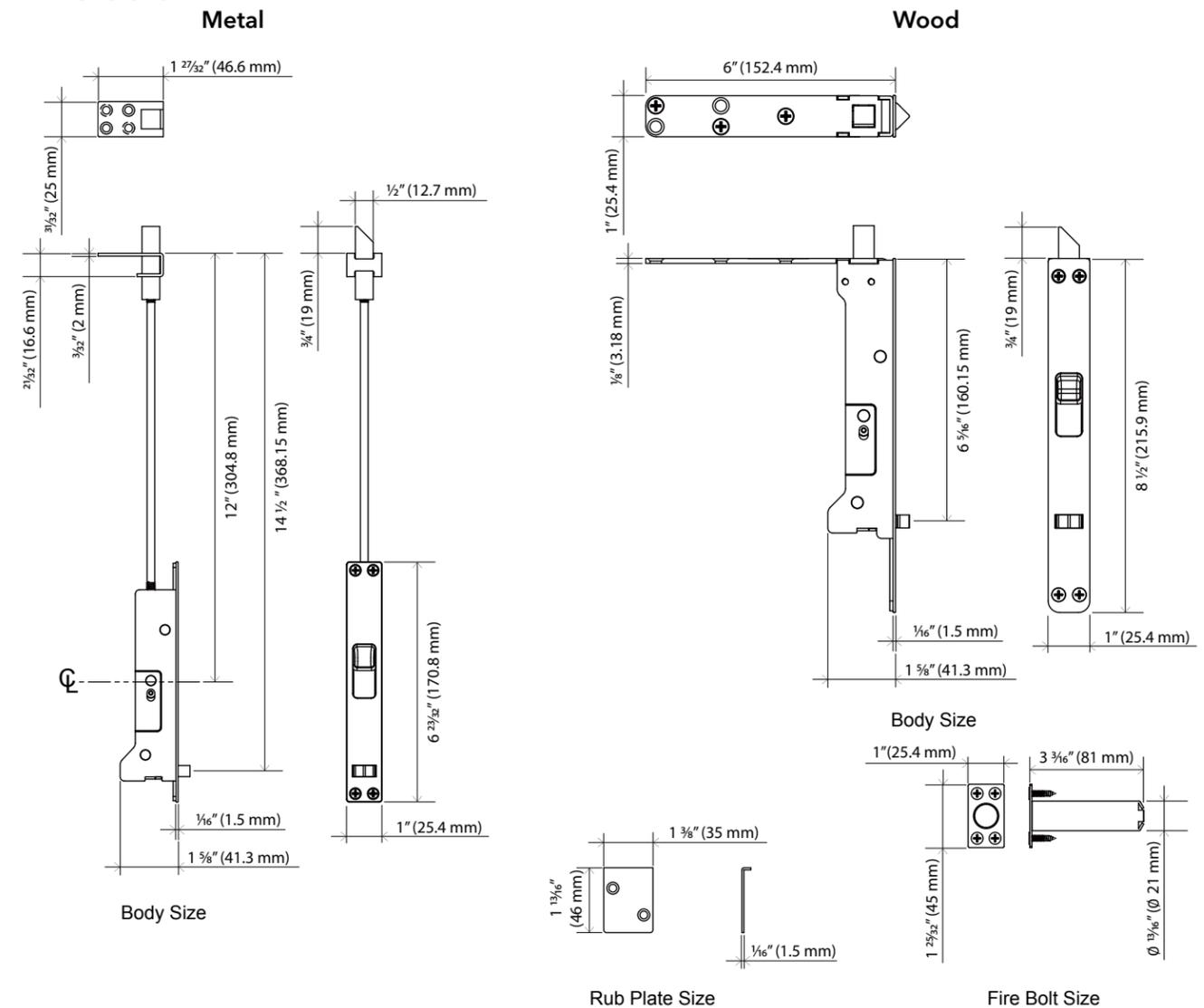
- P/N. FB9521F**  
Top Bolt with Auxiliary Fire Bolt
- Up to 8' x 10' Wood Door Pairs.
  - UL Listed 20 Minutes Fire Rating.

P/N. FB9521T Top Bolt  
P/N. 68-4502 Fire Bolt

## Specifications

<b>Certification/Compliance</b>	<ul style="list-style-type: none"> <li>• ANSI/BHMA A156.16 Grade 1.</li> <li>• Conforms to ANSI/BHMA 156.16 type 27.</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• The override spring prevents damage to the doors or bolts should the bolt head fail to align with top and bottom strike.</li> <li>• The Auxiliary Fire Fuse assembly keeps the door aligned during a fire. In case of fire, the bolt extends from the fire fuse to keep the inactive door in the locked position.</li> <li>• Patented floating cams for less than 5 lbs. of closing force required from the active door to extend both top and bottom bolts.</li> <li>• Non-handed.</li> </ul>
<b>Top and Bottom Bolts</b>	<ul style="list-style-type: none"> <li>• Bolts can be vertically adjusted up to 1" for floor variance or frame conditions.</li> <li>• 3/4" bolt throw and 3/4" backset.</li> </ul>
<b>Strike</b>	<ul style="list-style-type: none"> <li>• 95-2702 Strike standard.</li> <li>• 95-2705 or 95-2706 dust proof strike available.</li> </ul> <p>See page 15.</p>
<b>Standard Rod Length</b>	<ul style="list-style-type: none"> <li>• 12" standard rod length measured from the center of the flush bolt body to the bolt tip. Optional 18", 24", 36" and 48" rod lengths available for top bolt only on non-fire rated openings.</li> </ul>
<b>Doors &amp; Preparations</b>	<ul style="list-style-type: none"> <li>• Fits standard ANSI/BHMA A156.115 (A115.4).</li> </ul>
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• 605, 606, 611, 612, 613, 625, 626, 630.</li> </ul> <p>See page 16.</p>
<b>Ordering information</b>	<ul style="list-style-type: none"> <li>• FB9510R, FB9520R Model (without bottom bolt) with Auxiliary Fire Bolt includes a retrofit plate kit NO.95-2801 to cover existing bottom bolt prep.</li> </ul>

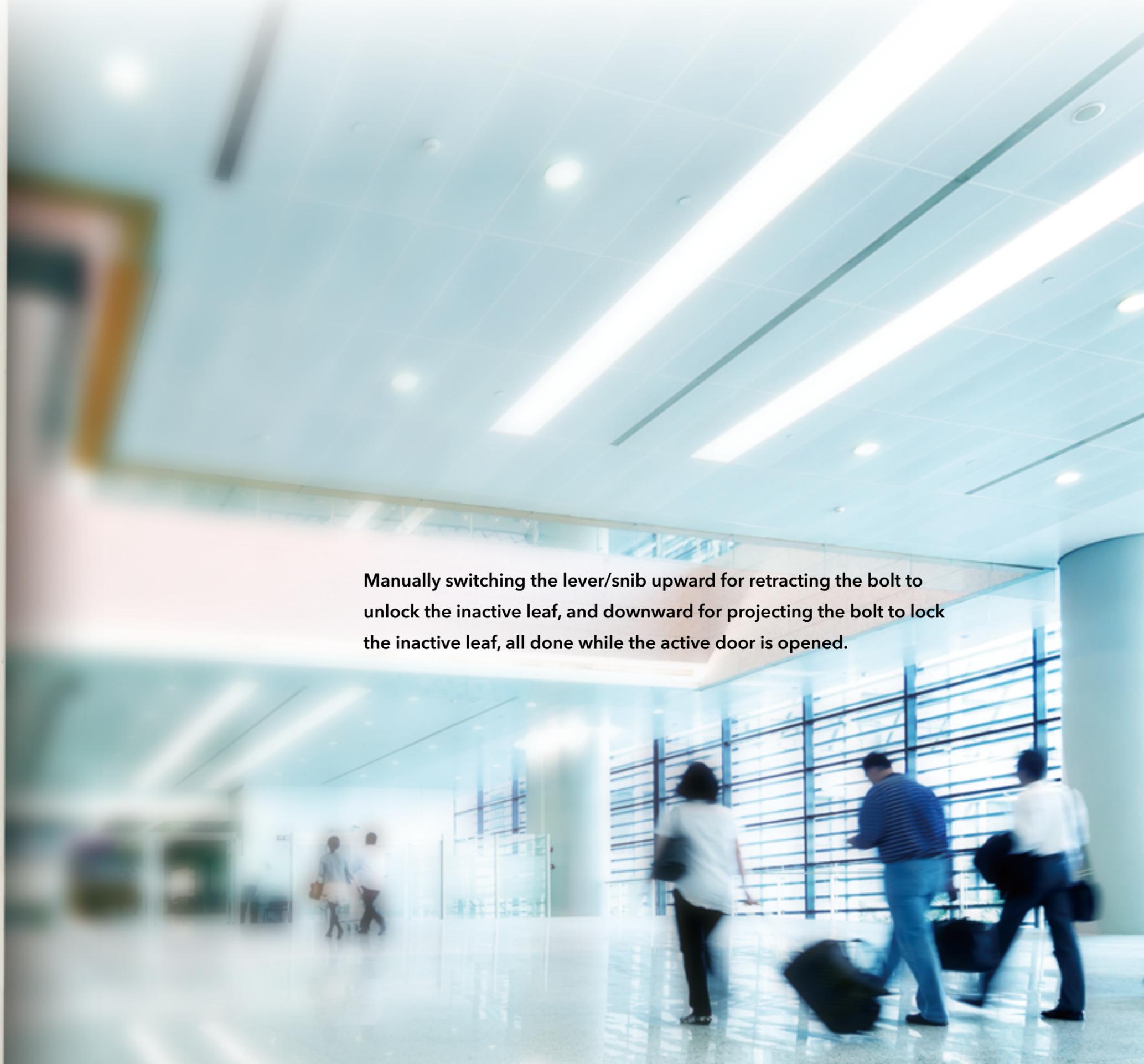
## Dimensions



# Manual Flush Bolts



Manually switching the lever/snib upward for retracting the bolt to unlock the inactive leaf, and downward for projecting the bolt to lock the inactive leaf, all done while the active door is opened.



# Manual Flush Bolts

When Active door is opened, the lever or snib is allowed to switch manually to the upward position, thus unlocking the inactive leaf by retracting the bolt. When the inactive door is in the closed position, by switching the lever or snib downwards, the door is secured with the projection of the bolt.

## Pivot Lever type

### Metal Door



- P/N. FB9530**  
Top or Bottom Bolts
- Up to 8' x 10' Metal Door Pairs.
  - UL Listed 3 Hour Fire Rating.

**A.**

### Wood Door



- P/N. FB9531**  
Top or Bottom Bolts
- Up to 8' x 10' Wood Door Pairs.
  - UL Listed 90 Minutes Fire Rating.

**B.**

### Cover Options

- A.** D type
- B.** Q type

## Slider snib type



- P/N. FB95410**  
Top or Bottom Bolts



- P/N. FB95411**  
Top or Bottom Bolts

## Specifications

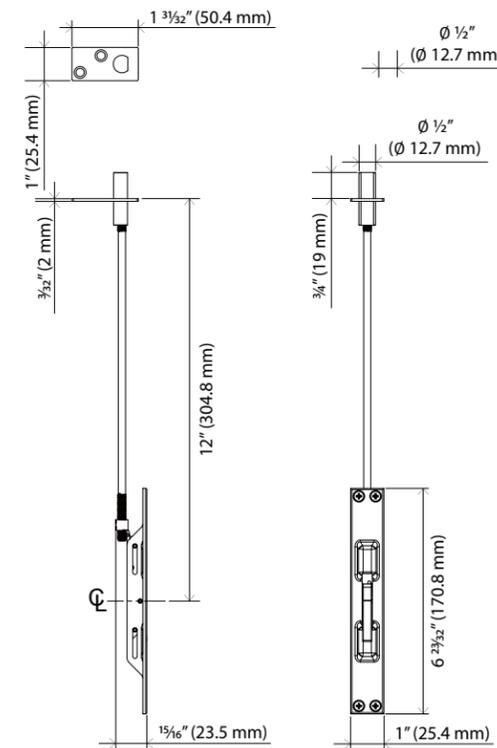
<b>Certification/Compliance</b>	<ul style="list-style-type: none"> <li>ANSI/BHMA A156.16 Grade 1.</li> <li>Conforms to ANSI/BHMA 156.16 , L04251, L04261, L0429.</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>Ease of installation.</li> <li>Non-handed.</li> </ul>
<b>Standard Rod Length</b>	<ul style="list-style-type: none"> <li>12" standard rod length measured from the center of the flush bolt body to the bolt tip. Optional 18", 24", 36" and 48" rod lengths available for top bolt only on non-fire rated openings.</li> </ul>
<b>Doors &amp; Preparations</b>	<ul style="list-style-type: none"> <li>Fits standard ANSI/BHMA A156.115 (A115.4).</li> <li>Fits standard ANSI/BHMA A156.115W (A115.W5).</li> </ul>
<b>Finishes</b>	<ul style="list-style-type: none"> <li>605, 606, 611, 612, 613, 625, 626, 630.</li> </ul> <p>See page 16.</p>

	FB9530*	FB9531*	FB95410	FB95411
<b>Top and Bottom Bolts</b>	Bolt throw	3/4"	1"	3/4"
	Backset	3/4"	1/2"	1/2"
	Bolt tip	1/2"	1/2"	5/16"
<b>Strike</b>	Standard.	95-2708	95-2707	95-2709
	Optional	95-2705 or 95-2706		

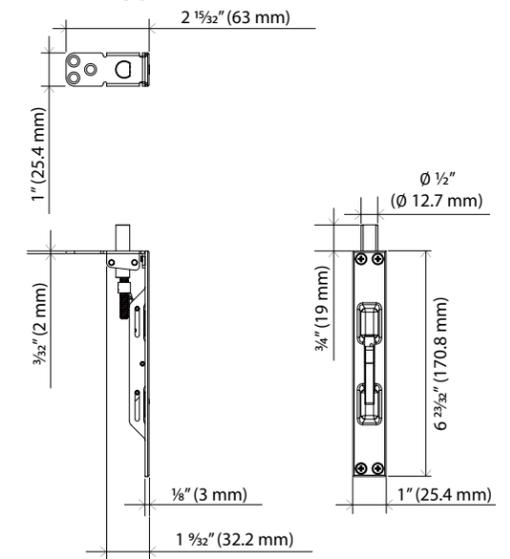
\*Bolts can be vertically adjusted up to 1" for floor variance or frame conditions.  
See page 15.

## Dimensions

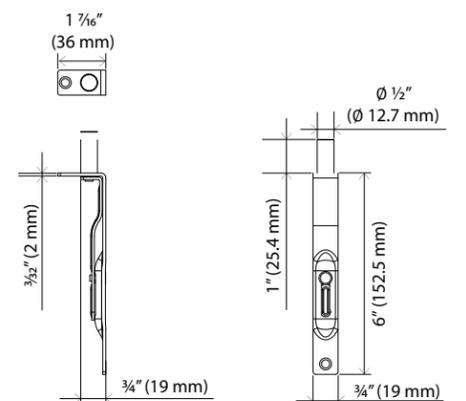
### FB9530



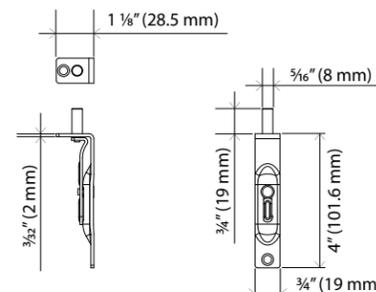
### FB9531



### FB95410



### FB95411



# Strikes

## Certification/Compliance

Conforms to ANSI/BHMA 156.16, L04011 and L04021.

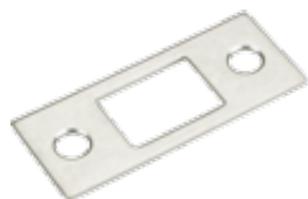
## Features

Spring-loaded plunger returns to floor or threshold level anytime flush bolt is retracted, removing the need of cleaning standard floor strikes.

## Finishes

605,606,611,612,613,625,626,630.

## Standard Strikes



### P/N. 95-2701

Standard furnished for Automatic Flush Bolt  
15/16" Wide x 2-1/4" Long x 1/16" Thick



### P/N. 95-2702

Standard furnished for Self-Latching Flush Bolt  
1-1/8" Wide x 2-3/4" Long x 1/16" Thick



### P/N. 95-2708

Standard furnished for Manual Flush Bolt  
15/16" Wide x 2-1/4" Long x 3/32" Thick



### P/N. 95-2707

Standard furnished for Manual Flush Bolt  
7/8" Wide x 1-3/4" Long x 1/16" Thick



### P/N. 95-2709

Standard furnished for Manual Flush Bolt  
5/8" Wide x 1-1/2" Long x 1/16" Thick

## Dust Proof Strikes (Optional)

The Dust Proof Strike is designed to prevent dust and debris from accumulating in the floor strike. It is compatible with all types of bottom flush bolts.



### P/N. 95-2705

Body size: 1-1/8" Diameter x 2-1/8" Deep



### P/N. 95-2706

Body size: 1-1/8" Diameter x 2-1/8" Deep  
Face Plate Size: 1-5/8" Wide x 3-1/2" Long x 3/32" Thick

## Finishes

A wide selection of finishes are available to match with your door and other hardware.

Color		ANSI/BHMA	Color		ANSI/BHMA
	Polished Brass	605		Dark Oxidized Satin Bronze	613
	Satin Brass	606		Polished Chrome	625
	Polished Bronze	611		Satin Chrome	626
	Satin Bronze	612		Satin Stainless Steel	630

# How to Order

Device	Ordering Example					
	<b>FB95</b>	<b>1</b>	<b>0</b>	<b>P</b>	<b>605</b>	<b>A</b>
<b>Series</b>	FB95					
<b>Model</b>	1 Automatic                      3 Manual Pivot Lever 2 Self-Latching                4 Manual Slider snib					
<b>Door Material</b>	0 for Metal Door 1 for Wood Door					
<b>Descriptions</b>	P Pair                                      F Top Bolt with Fire Bolt T Top Bolt Only                        R Top Bolt with Fire Bolt and Retrofit Plate B Bottom Bolt Only                    0~1 Dimension type (for slider button only)					
<b>Finish</b> (see page 16)						
605 (US3)	611 (US9)	613 (US10B)	626 (US26D)			
606 (US4)	612 (US10)	625 (US26)	630 (US32D)			
<b>Bottom Strikes (Optional)</b> (see page 16)						
A	95-2705					
B	95-2706					

Model	Descriptions	Double Door	
		Metal Door	Wood Door
Automatic	Top and Bottom Bolts (Pair)	FB9510P	FB9511P
	Top Bolt Only	FB9510T	FB9511T
	Bottom Bolt Only	FB9510B	FB9511B
	Top Bolt with Fire Bolt	FB9510F	FB9511F
	Top Bolt with Fire Bolt and Retrofit Plate	FB9510R	NA
Self-Latching	Top and Bottom Bolts (Pair)	FB9520P	FB9521P
	Top Bolt Only	FB9520T	FB9521T
	Top Bolt with Fire Bolt	FB9520F	FB9521F
	Top Bolt with Fire Bolt and Retrofit Plate	FB9520R	NA
Manual	Top or Bottom Bolts	FB9530	FB9531

### Warranty

I-TEK warrants to the original purchaser that all products manufactured and provided by it shall be free of defects in material and workmanship regarding Mechanical Locks (5 years), Electrified Products (1 year) and finishes (1 year). The present warranty does not cover scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals, normal wear and tear, abuse or any damage caused by improper installation or misuse of the product. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, I-TEK may repair or replace the product.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and I-TEK Metal Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

#### Note:

- Warranty is not applied for devices installed in educational facilities and student dormitories.
- The warranty becomes effective from the date of shipment.