



# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Automatic Flush Bolts - Metal Doors

#### FB30 Series for Metal Doors

- Fully Automatic—inactive door is latched when active door closes, bolts retract when active door is opened.
- Low Actuation Forces—Top Bolt Has No Spring Tension.
- UL Listed for Fire Doors
- Fits standard ANSI A115.4 Door Frame Preparations.
- Non-handed
- Models with Auxiliary Fire Latch eliminates the bottom bolt and is UL Listed for Fire Doors
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI A156.3 Type 25.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available for non-fire rated openings—18", 24", 36" and 48".

				
<p><b>FB31P Pair</b> <b>Top and Bottom Bolts</b> Both bolts are non-handed, but are not identical. The top bolt has no spring tension, resulting in lower actuation force with a smoother operation.</p>	<p><b>FB32</b> <b>Top Bolt with Auxiliary Fire Latch</b> FB32 combination includes FB31T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep and strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p><b>FB33</b> <b>Top Bolt with Auxiliary Fire Latch and Retrofit Plate</b> FB33 used to update existing flush bolt installations with auxiliary fire latch eliminating bottom bolt and floor strike. FB33 consists of FB31T Top Bolt, auxiliary Fire Latch and Filler plate to cover existing cutout when bottom bolt is removed.</p>	<p><b>FB31T</b> <b>Top Bolt Only</b></p>	<p><b>FB31B</b> <b>Bottom Bolt Only</b></p>
<p>• UL Listed 3 hours on 8'0" x 10'0" Opening</p>	<p>• UL Listed 3 hours on 8'0" x 8'0" Opening</p>	<p>• UL Listed 3 hours on 8'0" x 8'0" Opening</p>		

#### Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 2" Deep  
 Guide Size: 1" Wide x 1-27/32" Long x 27/32" High x 3/32" Thick  
 Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick  
 Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick  
 Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

**585 SOUTH ETON ROAD, P.O. BOX 2010, BIRMINGHAM, MI 48012-2010**  
**CALL: 1-800-642-2403 FAX: 1-800-642-2406 ASK FOR: GREG**

# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Automatic Flush Bolts - Wood Doors

#### FB40 Series for Wood Doors

- Fully Automatic—inactive door is latched when active door closes, bolts retract when active door is opened.
- Low Actuation Forces—Top Bolt Has No Spring Tension.
- UL Listed for Fire Doors
- Non-handed
- Models with Auxiliary Fire Latch eliminates the Bottom Bolt and is UL Listed for Fire Doors
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI A156.3 Type 25.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.

			
<p><b>FB41P Pair</b>  <b>Top and Bottom Bolts</b>                  Both bolts are non-handed, but are not identical. The top bolt has no spring tension, resulting in lower actuation force with a smoother operation.</p>	<p><b>FB42</b>  <b>Top Bolt with Auxiliary Fire Latch</b>                  FB42 combination includes FB41T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p><b>FB41T</b>  <b>Top Bolt Only</b></p>	<p><b>FB41B</b>  <b>Bottom Bolt Only</b></p>
<p>• UL Listed 90 minutes on 8'0" x 8'0" Opening</p>	<p>• UL Listed 20 minutes on 8'0" x 8'0" Opening</p>		

**Dimensions:**

- Body Size: 1" Wide x 8-1/2" Long x 2" Deep
- Guide Size: 1" Wide x 6" Long x 1/8" Thick
- Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick
- Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick
- Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

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# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Constant Latching Flush Bolts - Metal Doors

#### FB50 Series for Metal Doors

- Constant Latching—inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically.
  - Low Actuation Forces
  - UL Listed for Fire Doors.
  - Fits standard ANSI A115.4 Door and Frame Preparations.
  - Non-handed.
  - Models with Auxiliary Fire Latch Eliminates the Bottom bolt and is UL Listed for Fire Doors.
- Finishes: US3, US4, US10, US10B, US32, US32D.
  - Finished Cover Plates permit finish changes in stock or at job site.
  - Bolts have 3/4" throw with a 7/8" vertical adjustment.
  - Meets ANSI A156.3 Type 27.
  - Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
  - Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
  - Optional rod lengths available for non-fire rated openings—18", 24", 36" and 48".

			
<p><b>FB51P Pair</b></p> <p><b>Top and Bottom Bolts</b>            FB51P combines FB51T constant latching top bolt with FB31B automatic bottom bolt. Non-handed.</p>	<p><b>FB52</b></p> <p><b>Top Bolt with Auxiliary Fire Latch</b>            FB52 combination includes FB51T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p><b>FB53</b></p> <p><b>Top Bolt with Auxiliary Fire Latch and Retrofit Plate</b>            FB53 used to update existing flush bolt installations with auxiliary fire latch eliminating bottom bolt and floor strike. FB53 consists of FB51T top bolt, auxiliary fire latch and filler plate to cover existing cutout when bottom bolt is removed.</p>	<p><b>FB51T</b></p> <p><b>Top Bolt Only</b></p>
<p>• UL Listed 3 hours on 8'0" x 10'0" Opening.</p>	<p>• UL Listed 3 hours on 8'0" x 8'0" Opening.</p>	<p>• UL Listed 3 hours on 8'0" x 8'0" Opening.</p>	

**Dimensions:**

Body Size: 1" Wide x 6-3/4" Long x 2" Deep  
 Guide Size: 1" Wide x 1-27/32" Long x 11/16" High x 3/32" Thick  
 Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick  
 Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick  
 Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

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# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Constant Latching Flush Bolts - Wood Doors

#### FB60 Series for Wood Doors

- Constant Latching—inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically.
- Low Actuation Forces
- UL Listed for Fire Doors
- Non-handed
- Models with Auxiliary Fire Latch eliminates the Bottom bolt and is UL Listed for Fire Doors.
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI A156.3 Type 27.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.

		
<p><b>FB61P Pair</b>  <b>Top and Bottom Bolts</b>            FB61P combines FB61T constant latching top bolt with FB41B bottom bolt.</p>	<p><b>FB62</b>  <b>Top Bolt with Auxiliary Fire Latch</b>            FB62 combination includes FB61T top bolt with Auxiliary Fire Latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The Auxiliary Fire Latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p><b>FB61T</b>  <b>Top Bolt Only</b></p>
<ul style="list-style-type: none"> <li>• UL Listed 90 minutes on 8'0" x 8'0" Opening</li> </ul>	<ul style="list-style-type: none"> <li>• UL Listed 20 minutes on 8'0" x 8'0" Opening</li> </ul>	

**Dimensions:**

- Body Size: 1" Wide x 8-1/2" Long x 2" Deep
- Guide Size: 1" Wide x 6" Long x 1/8" Thick
- Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick
- Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick
- Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

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# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Manual Flush Bolts - Metal Doors

#### FB256N, FB257N, and FB258N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
  - Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
  - Non-handed
  - Finishes: US3, US10B, US26, US26D
- Bolt tip is 1/2" Diameter.
  - Bolts have 3/4" throw with a bolt backset of 3/4".
  - Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
  - Meets ANSI/BHMA A156.16, L04251.
  - Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
  - Optional rod lengths available: 6", 9", 18", 24", 30", 36" and 48".



#### Dimensions:

Body Size: FB256N: 3/4" Wide x 6-3/8" Long x 1-1/8" Deep  
FB257N: 1-1/4" Wide x 6-3/8" Long x 1-1/8" Deep  
FB258N: 1" Wide x 6-3/8" Long x 1-1/8" Deep  
Guide Size: 1" Wide x 2" Long x 5/64" Thick  
Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick  
Rod: 1/4-20 Threaded Rod

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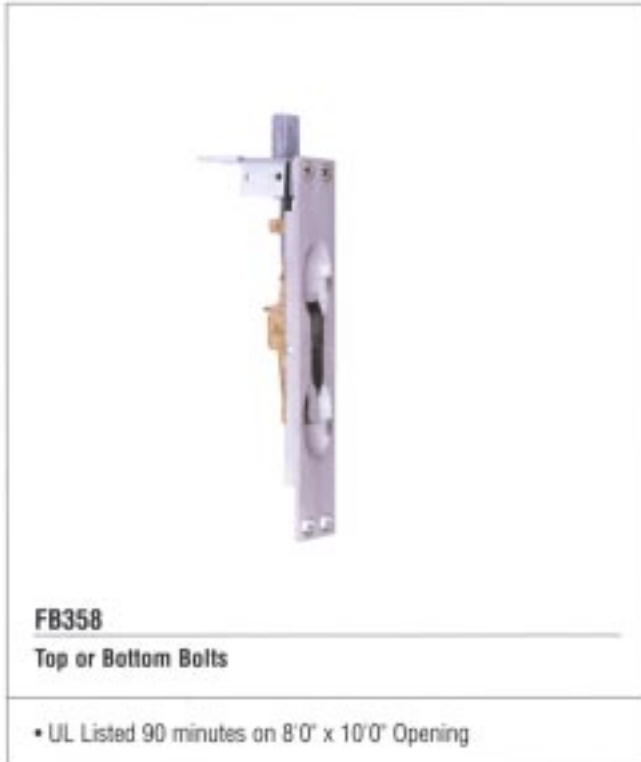
# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Manual Flush Bolts - Wood Doors

#### FB358 Series for Wood Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Reduces installation costs; requires only simple router mortise at top and bottom corners of doors.
- Door strength and rigidity maintained by tying door faces to reinforcing extensions on guide with machine screws and bearing washers.
- UL Listed for Fire Doors
- Non-handed
- Finishes: US3, US4, US10, US10B, US26, US26D.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI/BHMA A156.16, L04261.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Not available for rabbeted door installations.



#### Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 1-3/8" Deep

Guide Size: 1" Wide x 2-1/2" Long x 5/64" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

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# Glynn Johnson/Ives Flushbolts

ROBERT BROOKE AND ASSOCIATES

## Manual Flush Bolts - Metal Doors

### FB457 and FB457N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- Non-handed
- FB457 UL Listed for Fire Doors.
- FB457N not UL Listed for Fire Doors.
- Finishes FB457: US3, US4, US10, US10B, US26, US26D.  
FB457N: US3, US10B, US26, US26D.
- Bolt tip is 1/2" Diameter.
- Bolts have 3/4" throw with a bolt backset of 3/4".
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI/BHMA A156.16, L04251.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available for FB457: 6", 9", 18" and 24".
- Optional rod lengths available for FB457N: 6", 9", 18", 24", 30", 36" and 48".



#### Dimensions:

Body Size: 1-1/4" Wide x 6-3/4" Long x 1-1/8" Deep  
Guide Size: 1" Wide x 2" Long x 5/64" Thick  
Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick  
Rod: 1/4-20 Threaded Rod

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# Glynn Johnson/Ives Flushbolts

## ROBERT BROOKE AND ASSOCIATES

### Manual Flush Bolts - Metal Doors

#### FB458, FB458N and FB0458N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- FB458 UL Listed for Fire Doors.
- FB458N and FB0458N not UL Listed for Fire Doors.
- FB0458N features 1/4" radius corners on body.
- Non-handed
- Finishes FB458: US3, US4, US10, US10B, US26, US26D, FB458N and FB0458N: US3, US10B, US26, US26D.
- Bolt tip is 1/2" diameter.
- Bolts have 3/4" throw with a bolt backset of 3/4".
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI/BHMA A156.16, L04251.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Optional Rod Lengths available for FB458: 6", 9", 18" and 24".
- Optional Rod Lengths available for FB458N and FB0458N: 6", 9", 18", 24", 30", 36" and 48".

		
<b>FB458</b> Top or Bottom Bolt	<b>FB458N</b> Top or Bottom Bolt	<b>FB0458N</b> Top or Bottom Bolt
• UL Listed 3 hours on 8'0" x 10'0" Opening		

#### Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 1-1/8" Deep  
Guide Size: 1" Wide x 2" Long x 5/64" Thick  
Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick  
Rod: 1/4-20 Threaded Rod

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