



Flush Bolts and Dust Proof Strike

Door controls



Ives flush bolts have been designed with manual and automatic functions for timber and metal doors. The series includes a comprehensive range of models to cover most installation requirements.

Selected for rigidity and strength, flush bolts are suited to meet commercial demands.

Features

- Manufactured from heavy duty steel plate and cast brass
- Steel components are dichromate plated for corrosion resistance
- 19mm bolt throw for positive locking
- Fully automatic retraction of auto bolt
- Low actuation forces into auto locking functions
- Top auto flush bolts supplied with strike plate



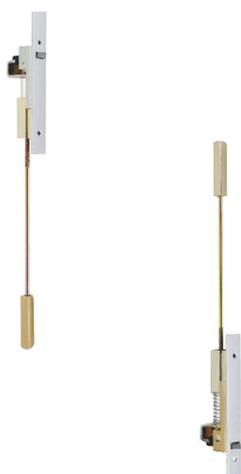
Warranties	
Mechanical	10 years
Finish	allegion.co.nz/finisheswarranty

Specification guide

Model	Finish
Auto flush bolt - top - aluminium door FB31T	Satin stainless steelSSS
Auto flush bolt - bottom - aluminium door FB31B	
Auto flush bolt - top - timber doorFB41T	
Auto flush bolt - bottom - timber doorFB41B	
Constant latching flush bolt - timber doorFB61T	
Dust proof floor socketDP2	
Manual flush bolt - aluminium door FB358	Satin chrome plate SCP
Manual flush bolt - timber doorFB458	

1. Model
Select the desired function e.g., Top auto finish bolt for timber doorFB41T3
2. Finish
Select the desired finish e.g., Satin stainless steelFB41T/SSS

Automatic flush bolts FB31T (top) FB31B (bottom)



Specifications

Door type	Aluminium and hollow metal
Operation	Inactive door is latched when active door closes, bolts retract when active door is opened
Low actuation forces	Top bolt has no spring tension
Bolts	19mm throw with a 22mm vertical adjustment
Standard rod	Length is 300mm, measured from the centre of the flush bolt body to the bolt tip
Extension rod	A 457mm extensions rod is available for high doors
Dimensions	25mm (W) x 172mm (L) x 52mm (D)
Handling	Non-handed
Optional	Dust proof strike DP2 prevents dirt build-up, assuring full engagement of bottom bolt

Automatic flush bolts FB31T (top) FB31B (bottom)



Specifications

Door type	Timber
Operation	Inactive door is latched when active door closes, bolts retract when active door is opened
Low actuation forces	Top bolt has no spring tension
Bolts	19mm throw with a 22mm vertical adjustment
Dimensions	Body size: 25mm W x 172mm L x 52mm D
Handling	Non-handed
Optional	Dust proof strike DP2 prevents dirt build-up, assuring full engagement of bottom bolt

Manual flush bolts FB358 (top or bottom)



Specifications

Door type	Timber
Operation	Designed for use on pairs of doors with flush meeting styles. Flush bolts morticed into the edge of the door on inactive leaf. Door strength and rigidity are maintained by tying faces to reinforcing extensions on guide with machine screws and bearing washers.
Dimensions	25mm (W) x 172mm (L) x 52mm (D)
Handling	Non-handed
Optional	Dust proof strike DP2 prevents dirt build-up, assuring full engagement of bottom bolt.

Manual flush bolts FB458 (top or bottom)



Specifications

Door type	Aluminium and hollow metal
Operation	Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike is optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
Bolts	Up to 12.7mm diameter, bolts have 19mm throw with a bolt backseat of 19mm
Standard rod	Length is 300mm, measured from the centre of the flush bolt body to the bolt tip
Extension rod	A 457mm extensions rod is available for high doors
Dimensions	25mm (W) x 172mm (L) x 52mm (D)
Handling	Non-handed
Optional	Dust proof strike DP2 prevents dirt build-up, assuring full engagement of bottom bolt

Testing and Compliance



Fire Rating:

Successfully tested on fire door assemblies in accordance with AS1905 Part1: Fire resistance doorsets. Check with fire door manufacturer prior to installation.

Constant latching flush bolt FB61T (top only)



Specifications

Door type	Aluminium and hollow metal
Operation	Constant latching - inactive door remains latched until the active door is opened. The latch can then be manually released. The inactive door will automatically re-latch when closed.
Low actuation forces	Top bolt has no spring tension
Bolts	19mm throw with a 22mm vertical adjustment
Dimensions	Body size: 25mm W x 172mm L x 52mm D
Handling	Non-handed - latchbolt is reversible

Dust proof strike DP2



Specifications

Operation	19mm threshold or floor mounted Designed for use with the bottom bolt of all flush bolts. Spring loaded plunger returns to floor or threshold level any time flush bolt is retracted, eliminating need to clean standard floor strikes.
Dimensions	Body size: 30mm x 48mm D Face plate: 41mm W x 89mm L x 3mm D
Handling	Non-handed

NOTE: It is highly recommended that the DP2 dust proof socket be installed with all automatic flush bolts.

Finishes



SSS

Satin
Stainless Steel



SCP

Satin Chrome
Plate

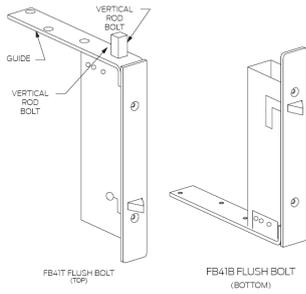
Testing and Compliance



Fire Rating:

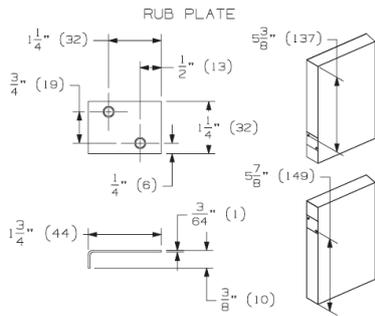
Successfully tested on fire door assemblies in accordance with AS1905 Part1: Fire resistance doorsets. Check with fire door manufacturer prior to installation.

Mounting details

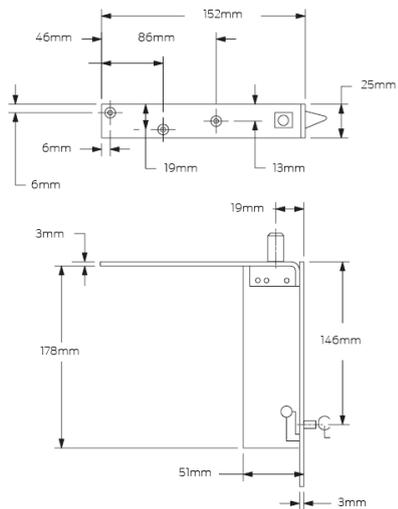
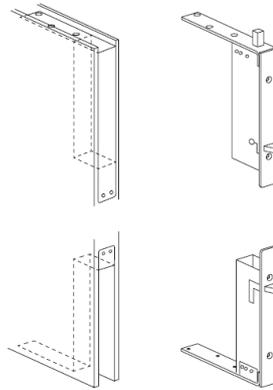


FB41T FLUSH BOLT (TOP)

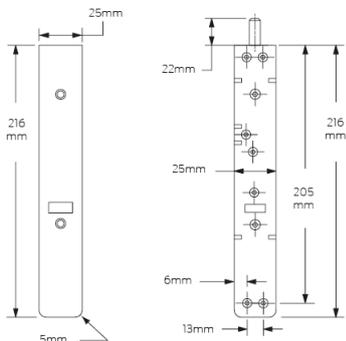
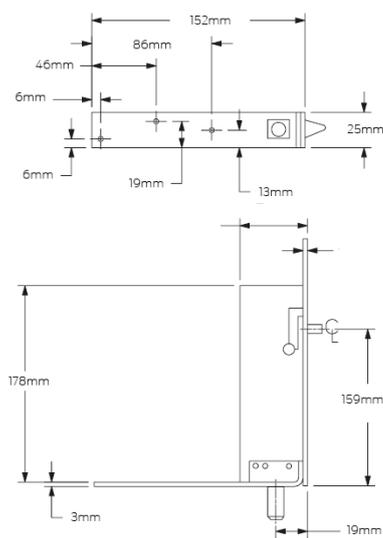
FB41B FLUSH BOLT (BOTTOM)



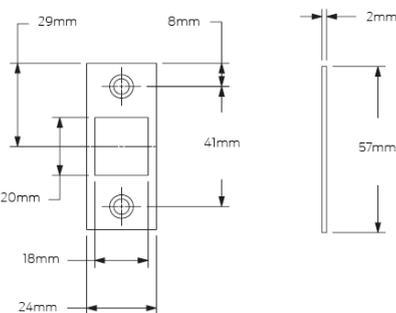
RUB PLATE



FB41T TOP BOLT



FB41T & FB41B
BASIC PART DIMENSIONS



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