



Interfold 50 With or Without Guide

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Codes

B WS 1 - 50 C H SS

Finish: SS (Satin Stainless)

Hinge Type: H Type Non-Mortice hinge, M Type Mortice hinge.

Bearing Type: C (Chrome Steel Bearing)

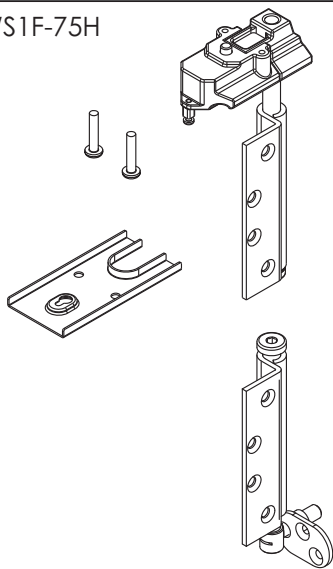
Load Capacity: 50kg (110lbs) panels

Set No: 1F (Pivot Set), 2 (End Hanger Set), 2F (End Hanger Set No Guide), 4 (Intermediate Hanger Set), 4 (Intermediate Hanger Set No Guide), 3 (Hinge Handle Set), 5 (Hinge Set), 6 (Offset Hinge Set), 7 (Offset Hinge Handle Set)

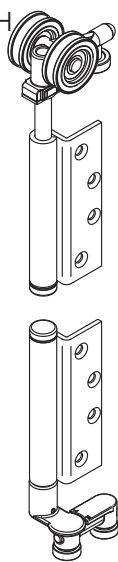
Brio Weatherfold 4s

Sets. No finishes shown

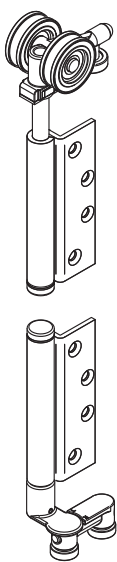
BWS1F-75H



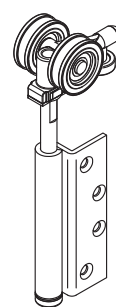
BWS2-50CH



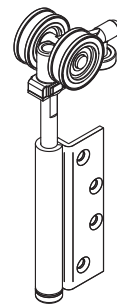
BWS2-50CM



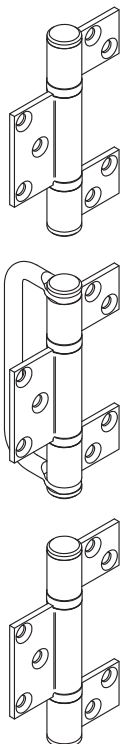
BWS2F-50CH



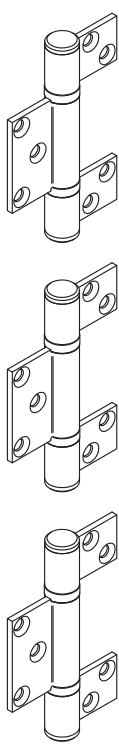
BWS2F-50CM



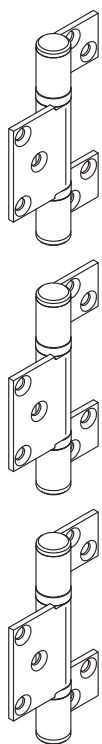
BW3-100H



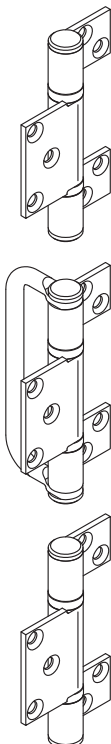
BW5-100H



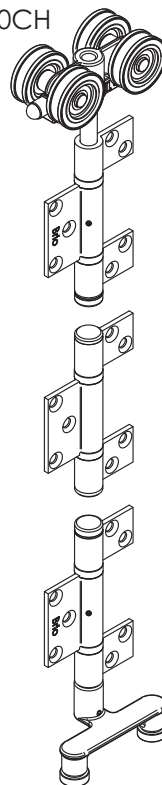
BW6-100H



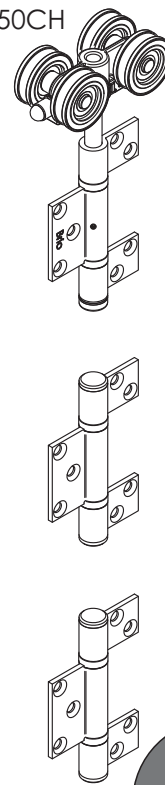
BW7-100H



BWS4-50CH

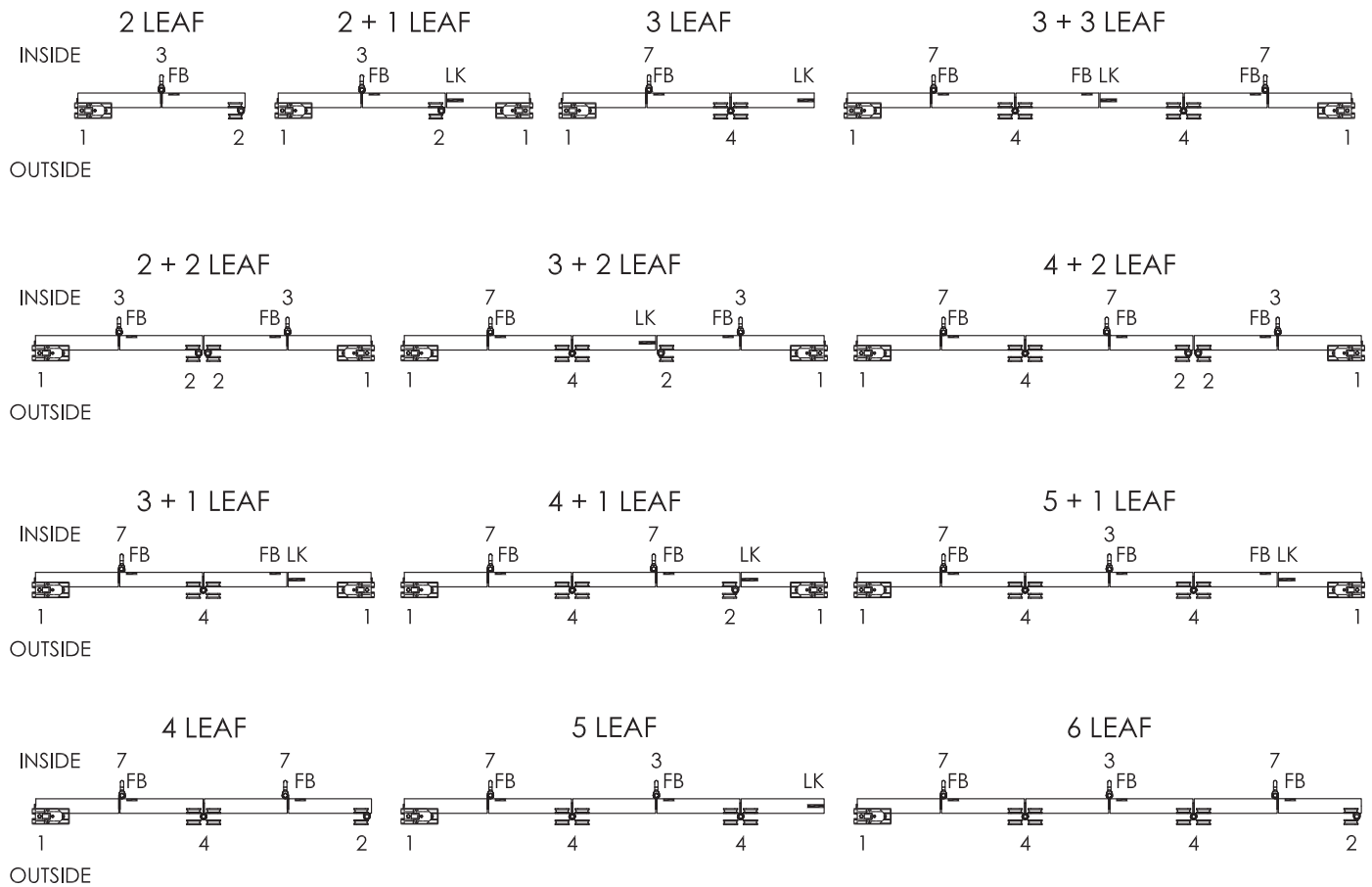


BWS4F-50CH

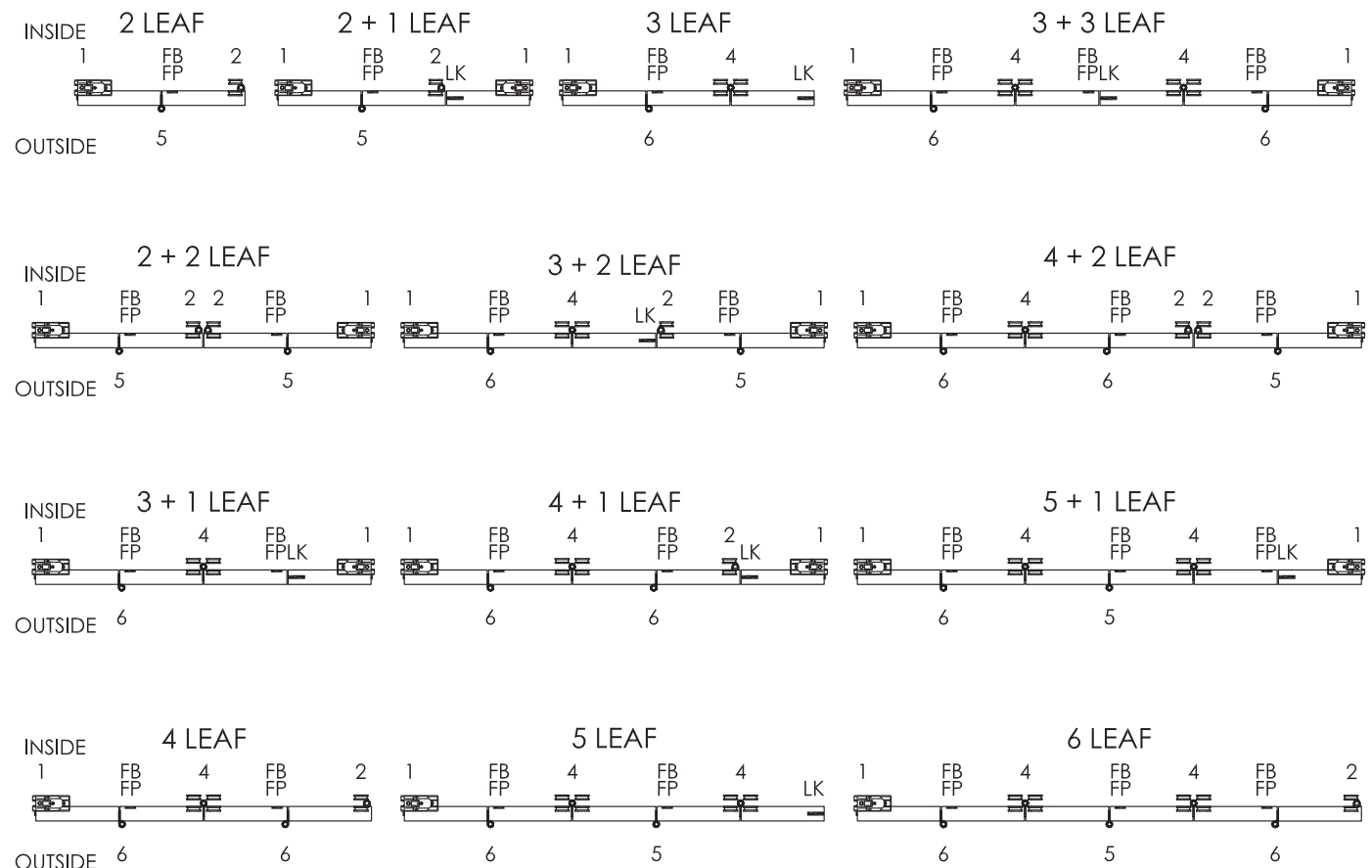


Door Hardware Set Orientation FB = Flush Bolt, FP = Flush Pull, LK = Lock, left systems shown

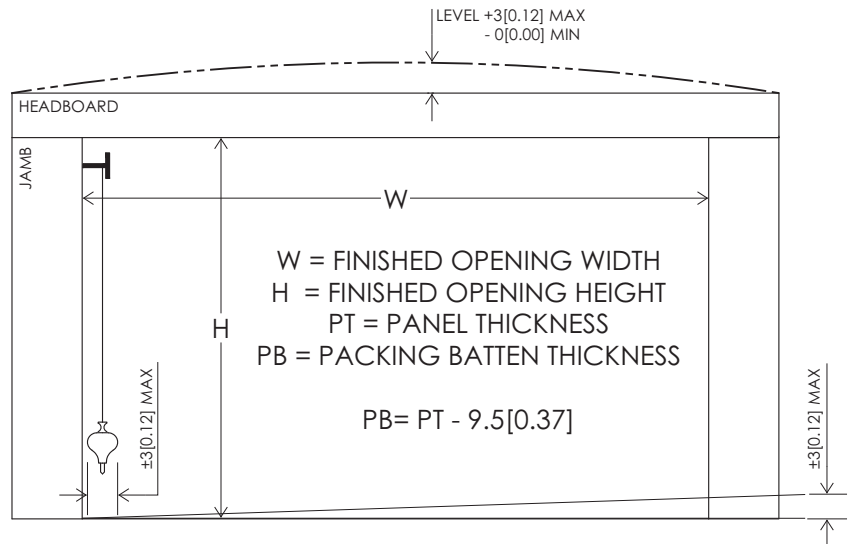
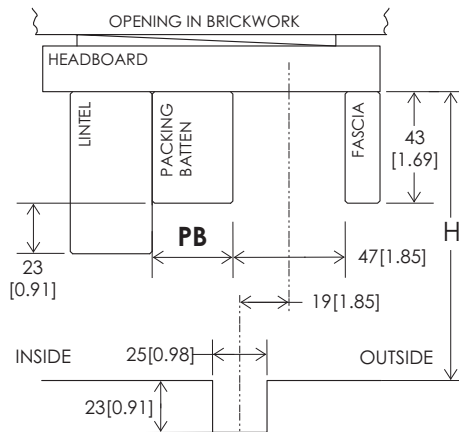
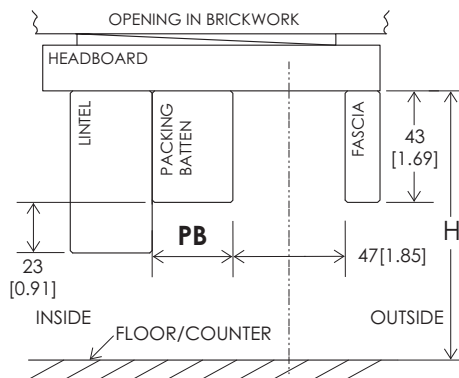
OUTWARD OPENING (Guide Systems 6 panels each way. Non-Guide Systems 4 Panels each way.)



INWARD OPENING (Guide Systems 6 panels each way. Non-Guide Systems 4 Panels each way.)



Opening Preparation



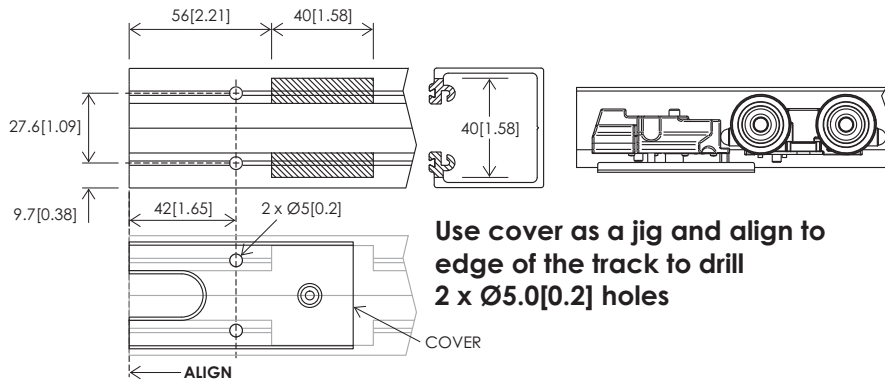
W = FINISHED OPENING WIDTH
H = FINISHED OPENING HEIGHT
PT = PANEL THICKNESS
PB = PACKING BATTEN THICKNESS

$$PB = PT - 9.5[0.37]$$

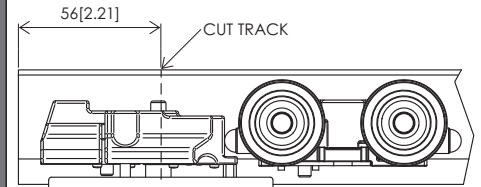
Track Preparation

Track Preparation

OPTION A - Allows access to hangers through notch in track

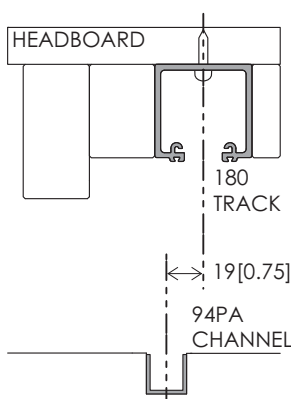


Use cover as a jig and align to edge of the track to drill 2 x Ø5.0[0.2] holes

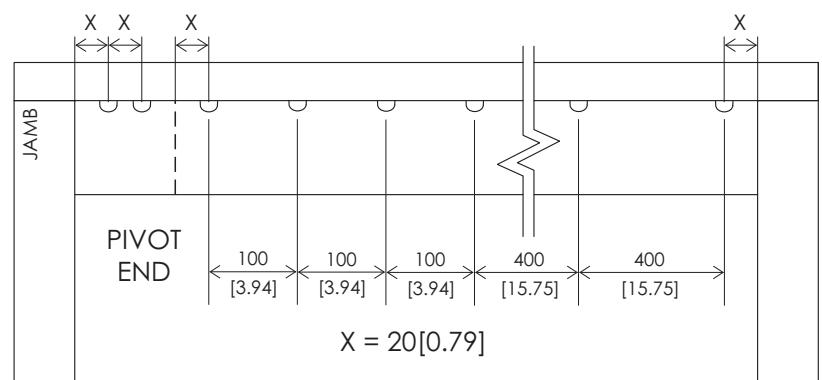


Install Track & Channel

RECESSED CHANNEL



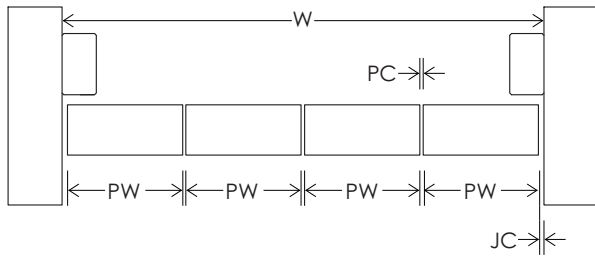
Countersink and screw channel
at 400[15.75] intervals. Install 94P last.



Fix track with 10G screws. After initial 6 fixings, fix screws at 400 [15.75] intervals.

Panel Size Calculation

Brio Interfold allows for equal size panels

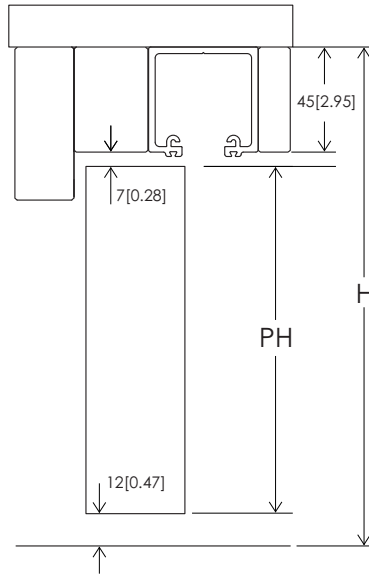


N = No. of Panels
 PW = Panel Width
 JC = Jamb Clearance = 6[0.24]
 PC = Panel Clearance = 4[0.16]

$$PW = \frac{W - [PC(N-1) + 2(JC)]}{N}$$

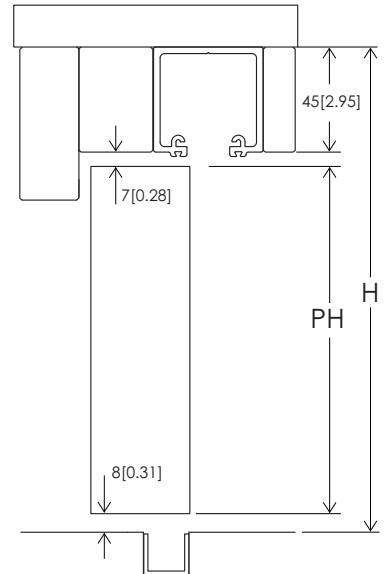
JC based on panels 600[23.62] wide and 40[1.57] thick.

Non-Guide System
 PH = Panel Height



$$PH = H - 64[2.52]$$

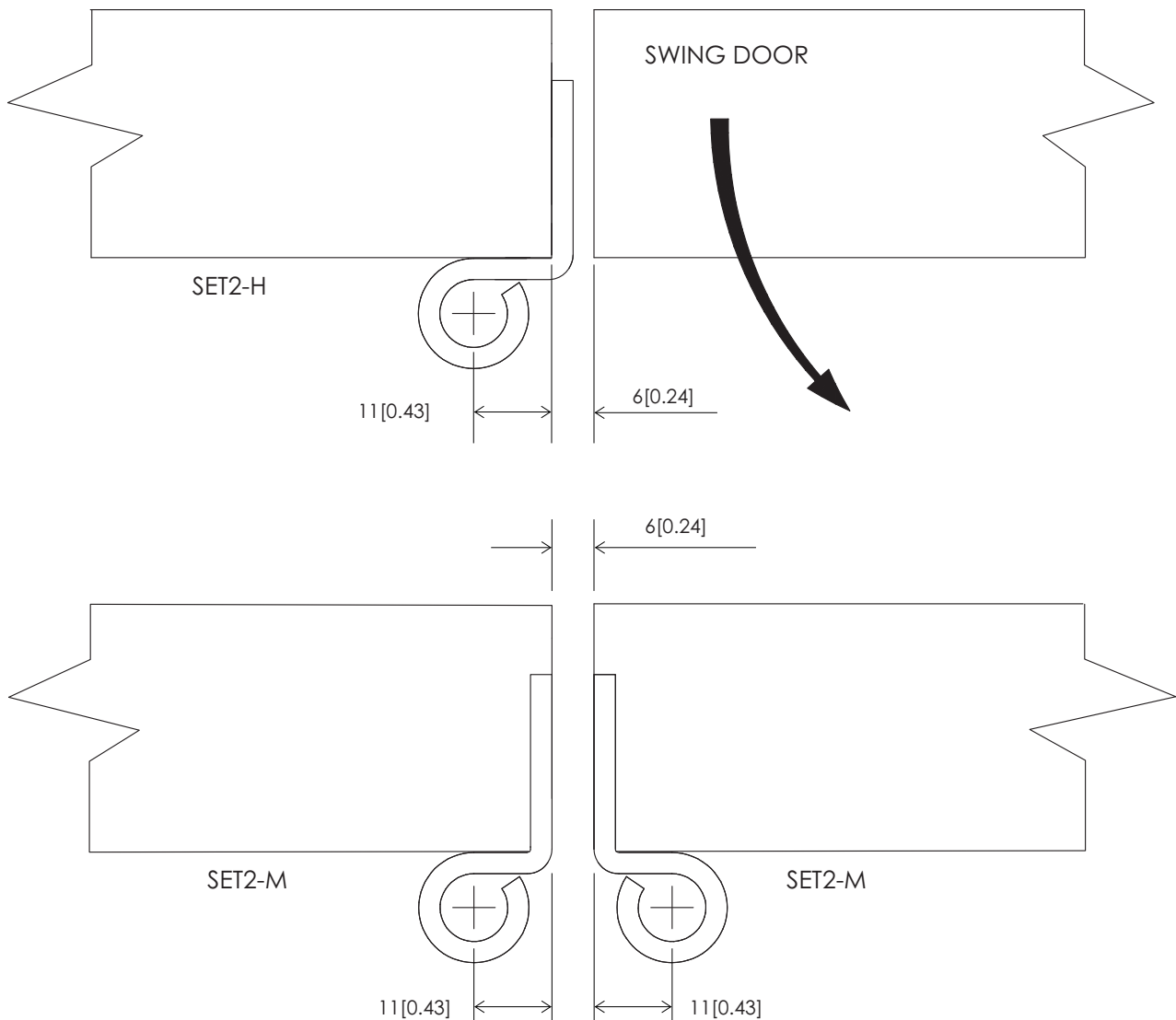
Guide System
 PH = Panel Height



$$PH = H - 61[2.40]$$

Meeting Door Selection Panel thickness 30[1.18] minimum

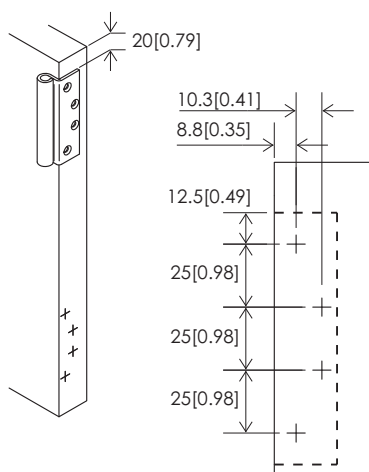
2 Meeting square doors



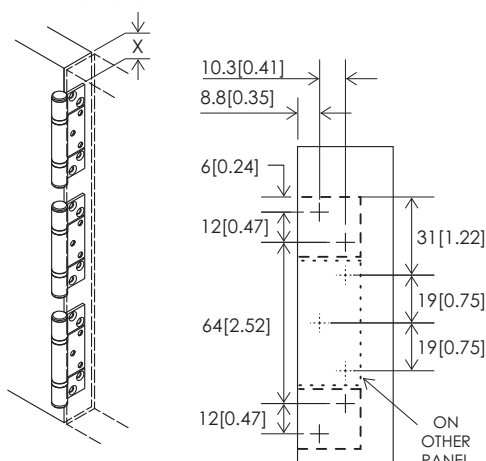
Hinge Installation

pilot hole of Ø2.5mm[0.12"] recommended. Panel thickness 35[1.38] minimum.

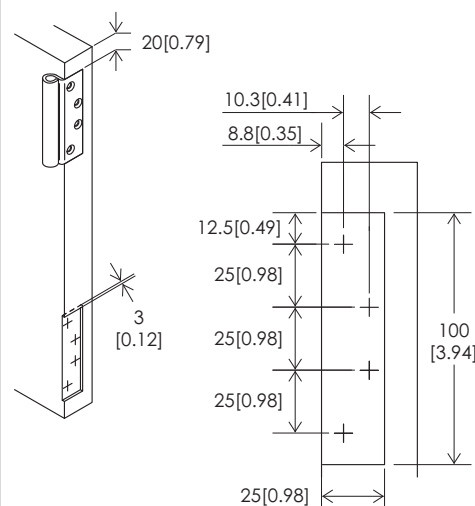
SETS 1 & 2H



SETS 3, 4, 5, 6 & 7



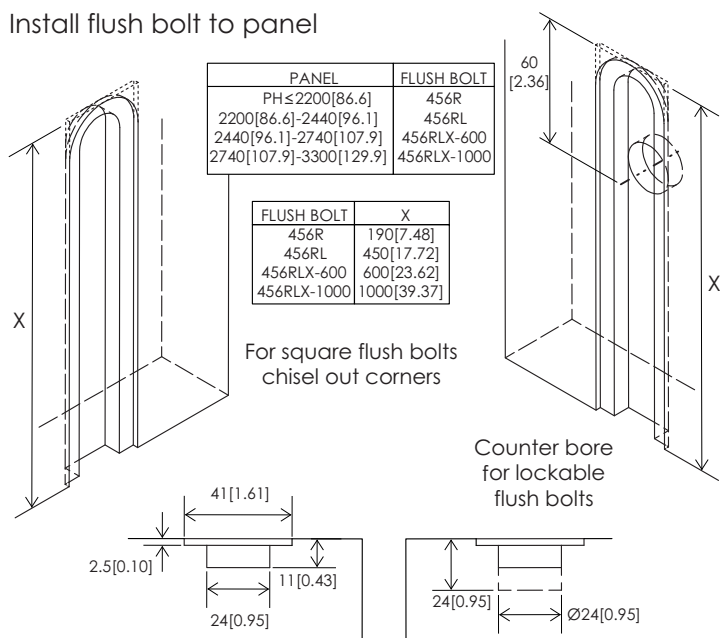
X=20[0.79] on Set 4
X=60[2.36] min on Sets 3, 5, 6 & 7



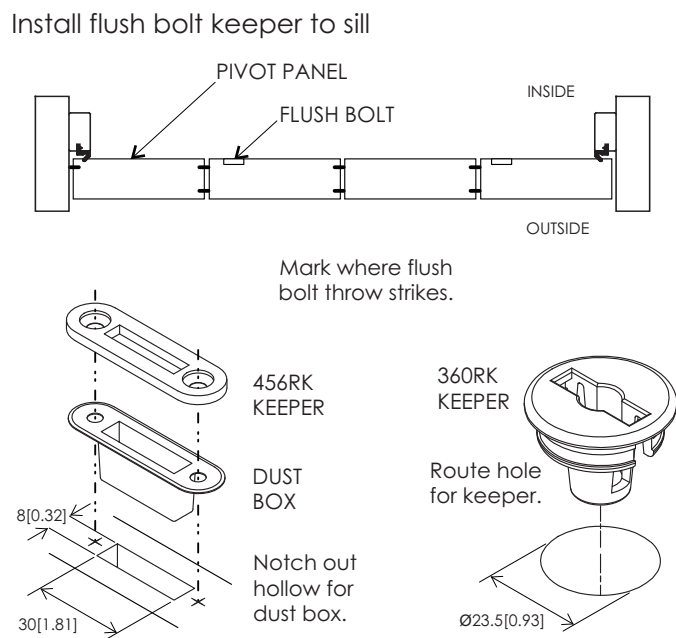
Flush bolt Position

see page 2 for flush bolt location for all configurations, router available

Install flush bolt to panel

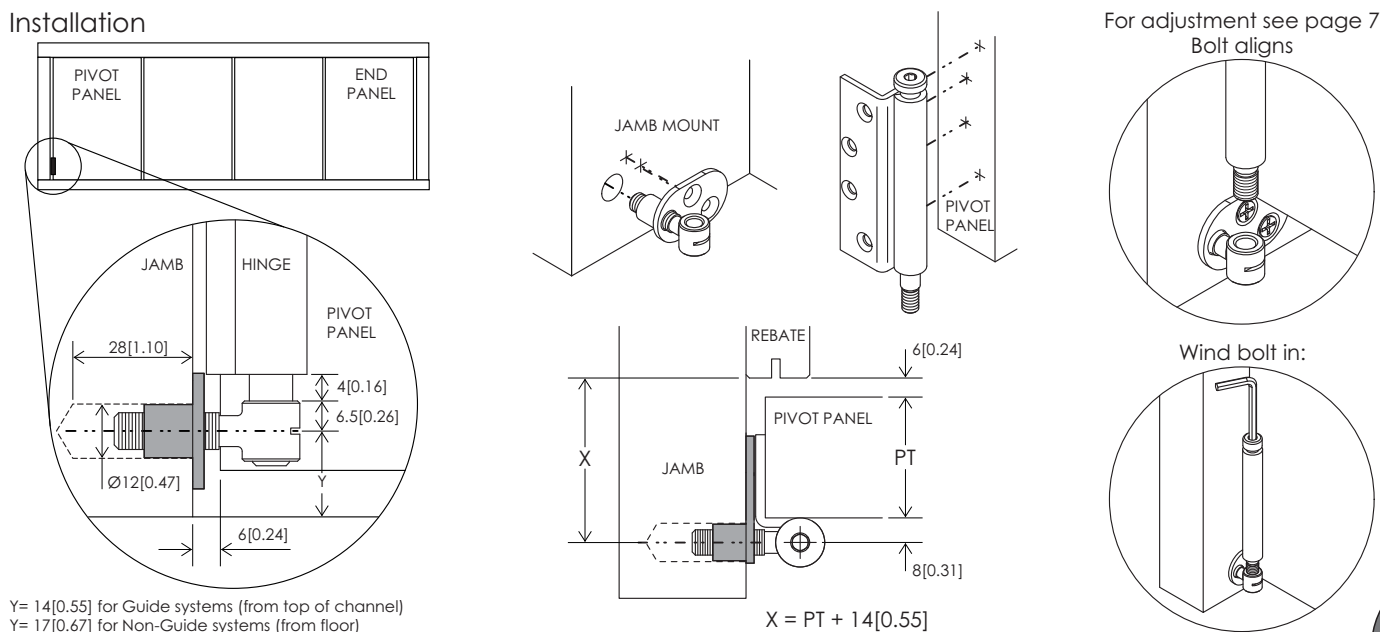


Install flush bolt keeper to sill



Installation of Bottom Pivot

Installation



Y= 14[0.55] for Guide systems (from top of channel)
Y= 17[0.67] for Non-Guide systems (from floor)

End Guide

when viewed from outside doors folding left need a left end guide and vice versa for right

Handing End Guide

LEFT

RIGHT

Back off cap screw and rotate guide arm into left or right position

Determining System Orientation

INSIDE

OUTSIDE

Left, outward opening system

Right, outward opening system

Handing end set hinge

For Right: Flip hinge

ANTI-SHAKE SET/GRUB SCREW

LEFT

RIGHT

Lock off anti-shake set/grub screw

System Security

type H hinge shown but security set/grub screw applicable in hinge types T and M too

Hanger security

HINGE PIN

HEX DRIVE

ANTI-SHAKE SET/GRUB SCREW

HINGE

SET/GRUB SCREW POSITION ON END SET & PIVOT HINGES

Anti-shake set/grub screw prevents pin being removed from hinge

Guide security

ANTI-SHAKE SET/GRUB SCREW

ANTI-SHAKE SET/GRUB SCREW

Lock off both set/grub screws

Attaching Hardware to Panels

recommended before installation

Ensure doors are level and square from top

Set 1

Set 4

Set 2

Set 7

Set 7

PIVOT PANEL

1ST INT. PANEL

2ND INT. PANEL

END PANEL

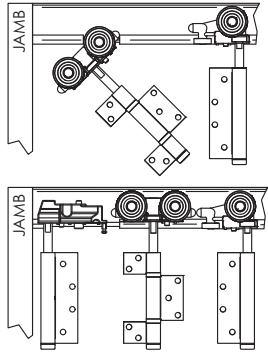
16 [0.63]

12.5 [0.49]

Installing Hardware and Hanging Panels

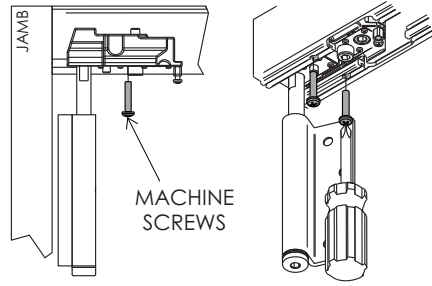
clean down inside of track and channel

Insert rollers through access notch in correct order



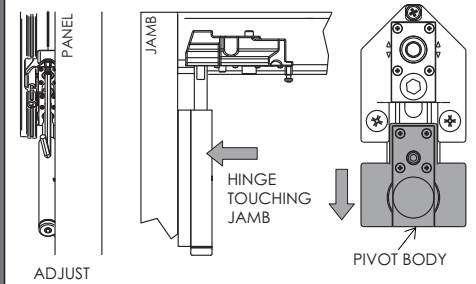
Viewed from the outside

Fix top pivot into position with machine screws supplied



MACHINE SCREWS

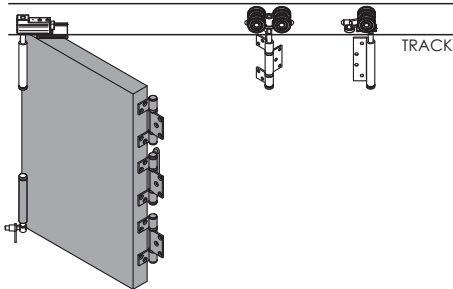
Loosen locking screw and adjust top pivot so that hinge is touching the jamb. Lock off when in position.



ADJUST

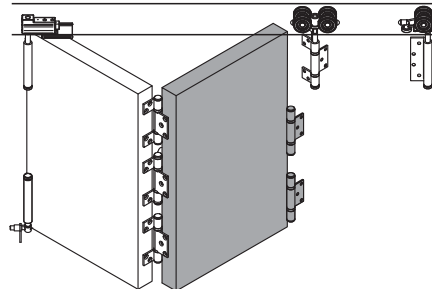
PIVOT BODY

Bring pivot panel to pivot set



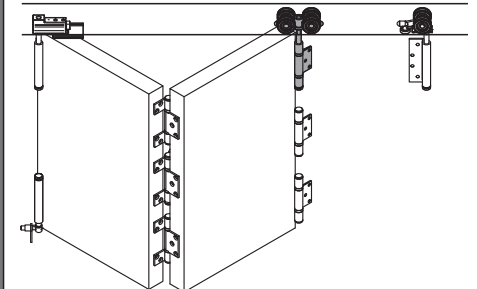
Hinge set 7 attached to panel

Bring 1st int. panel to pivot panel

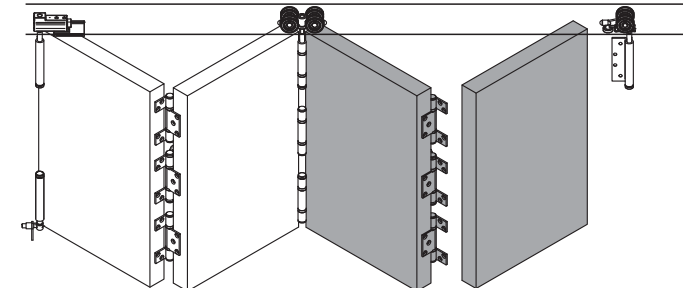


Lower hinges of int. set attached

Fix int. hanger to int. panel

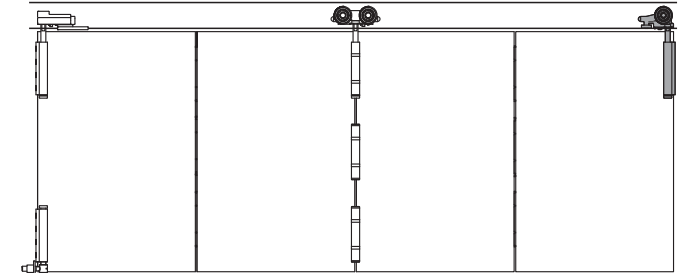


Bring 2nd int. panel to the int. hanger with hinge set 7



Bring end panel to hinge set 7

Fix end panel to end hanger

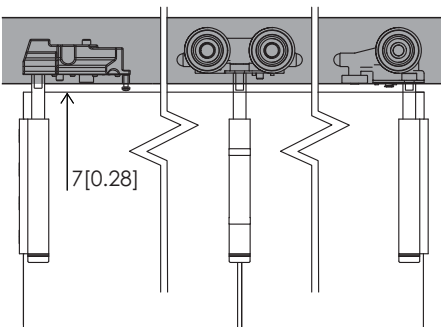


Close all panels

Adjustment

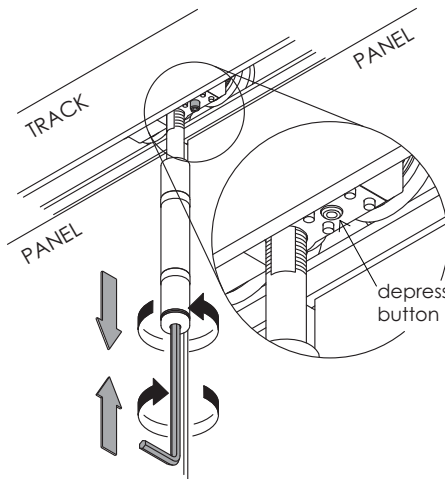
hinge pin locking mechanism applied to all hangers and top pivot

Adjust all hangers and top pivot until panels are parallel with 7mm gap between the track

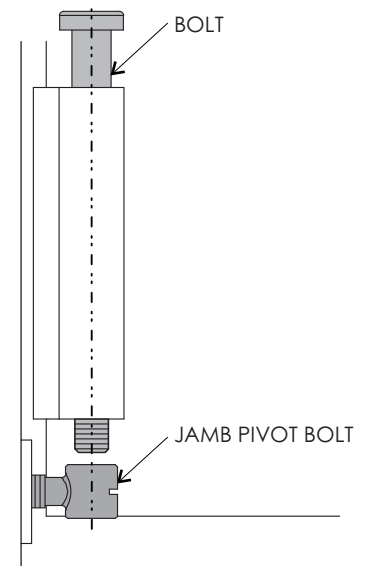


7[0.28]

To adjust height, depress button and wind bolt. Bolt locks off automatically on flats.



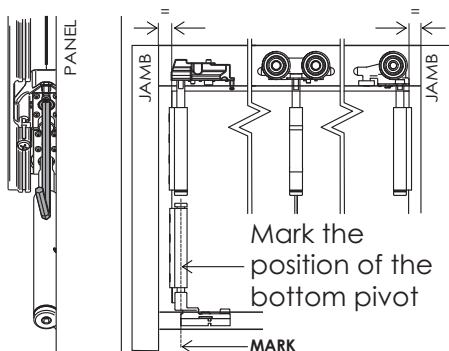
Remove from bolt from jamb pivot bolt to adjust doors.



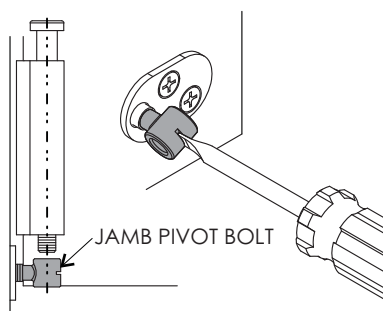
BOLT

JAMB PIVOT BOLT

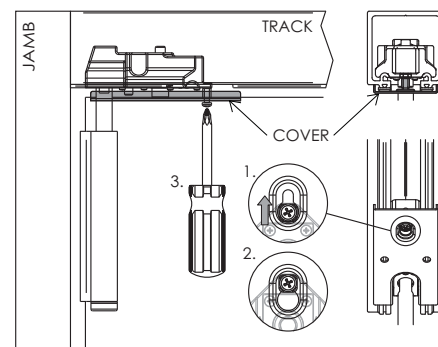
With the panels closed, loosen top pivot locking screw and adjust to centralise door panels. Then lock off top pivot.



Wind jamb pivot bolt in or out until it aligns with hinge bolt on panel after top pivot is set.



Close doors & fix cover into pivot to cover notch.



Care and Maintenance

Hardware is subject to deterioration from everyday use and from the environment that it is in. In particular, it is important that routine maintenance be carried out in harsh coastal or marine environments and industrial applications.

General

Inspect all fixing bolts for tightness every six months, including those securing brackets. Tighten if necessary. Routinely check for wear and if excessively worn, the part should be replaced.

To help prevent surface corrosion, Brio® recommends washing regularly; even stainless steel finishes in coastal environments may show signs of surface corrosion if not washed regularly. Sheltered areas that are not rain washed are particularly susceptible. Wash with soap or mild detergent and warm water followed by rinsing with clean cold water and wipe dry.

As a guide, if a window or door requires washing then wash the hardware, however Brio® recommend for marine and industrial environments washing a minimum of every 3 months and 6 months for general environments. In coastal or marine environments Brio® recommends applying a light application of corrosion preventative such as CRC Marine 66 or Inox® for Marine, to all surfaces and using a dry cloth to remove excess. When using lubricant or corrosion protection compounds, be careful to avoid the adjacent surfaces and always follow the manufacturer's instructions.

Track

Keep track free from obstruction and excessive dirt or water. Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry.

Where fitting to the outside of the building, it is recommended that the appropriate track is specified.

Hangers & Pivots

All hangers are fitted with lubricated ball-bearings or plain bearings, requiring no greasing. If doors 'settle' and door clearance is reduced causing friction, raise the door by the hanger adjustment nuts.

Wash as per the above recommendation and apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

Guides

Guide roller and guide channel must be kept clear and free of obstructions.

Wash as per the above recommendation and apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess.

Rollers

All bottom rails should be free from obstruction and excessive dirt or water. Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. All rollers are fitted with sealed precision bearings requiring no maintenance.

Hinges

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of corrosion preventative to all surfaces, using a dry cloth to remove excess. Repeat at intervals no greater than 3 months.

Flush Bolts

Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of lubricant to internal mechanisms and bolt using a suitable nozzle-spray.