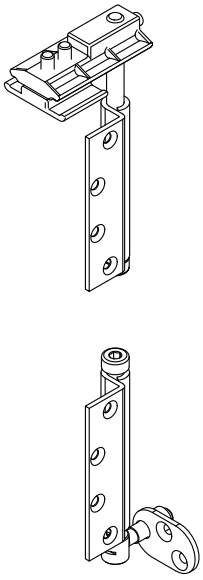
Brio®

Interfold 35F With or Without Guide Installation Instructions

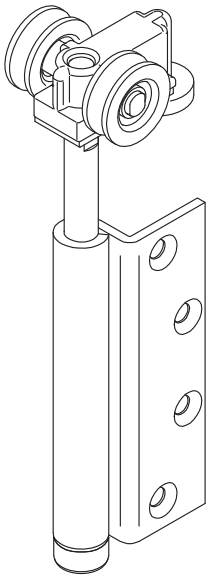
Maximum Weight (kg)	Maximum Width (mm)	Maximum Height (mm)	Panel Thickness (mm)
35	**820**	**2600**	**35-44**

Sets. No finishes shown

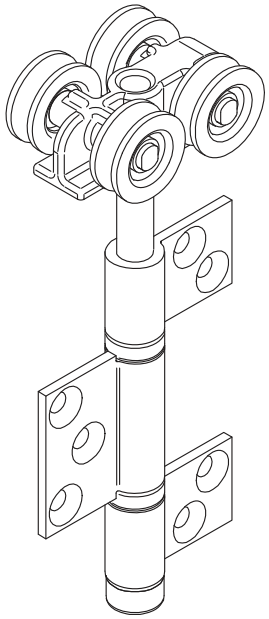
BWS1F-35H



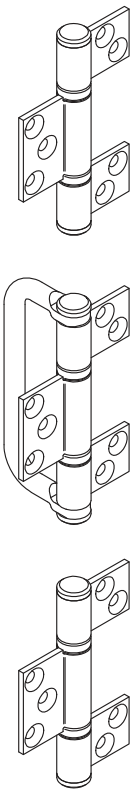
BWS2F-35SH



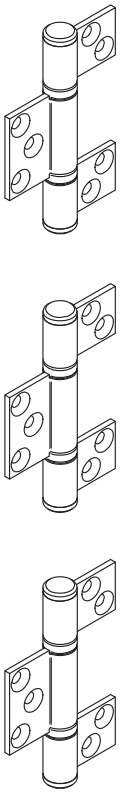
BWS4F-35SH



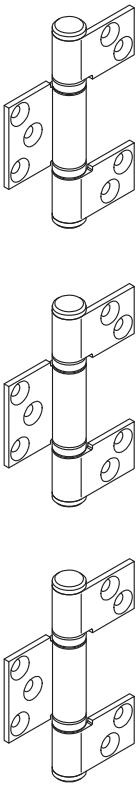
BW3-35H



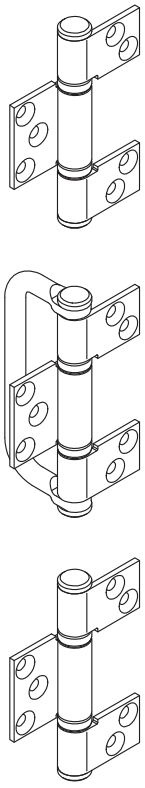
BW5-35H

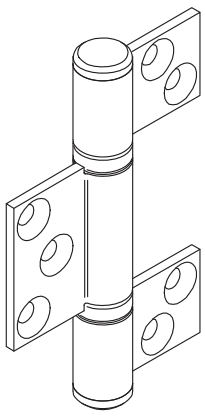


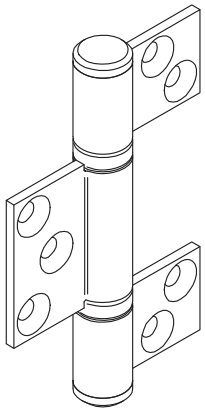
BW6-35H



BW7-35H

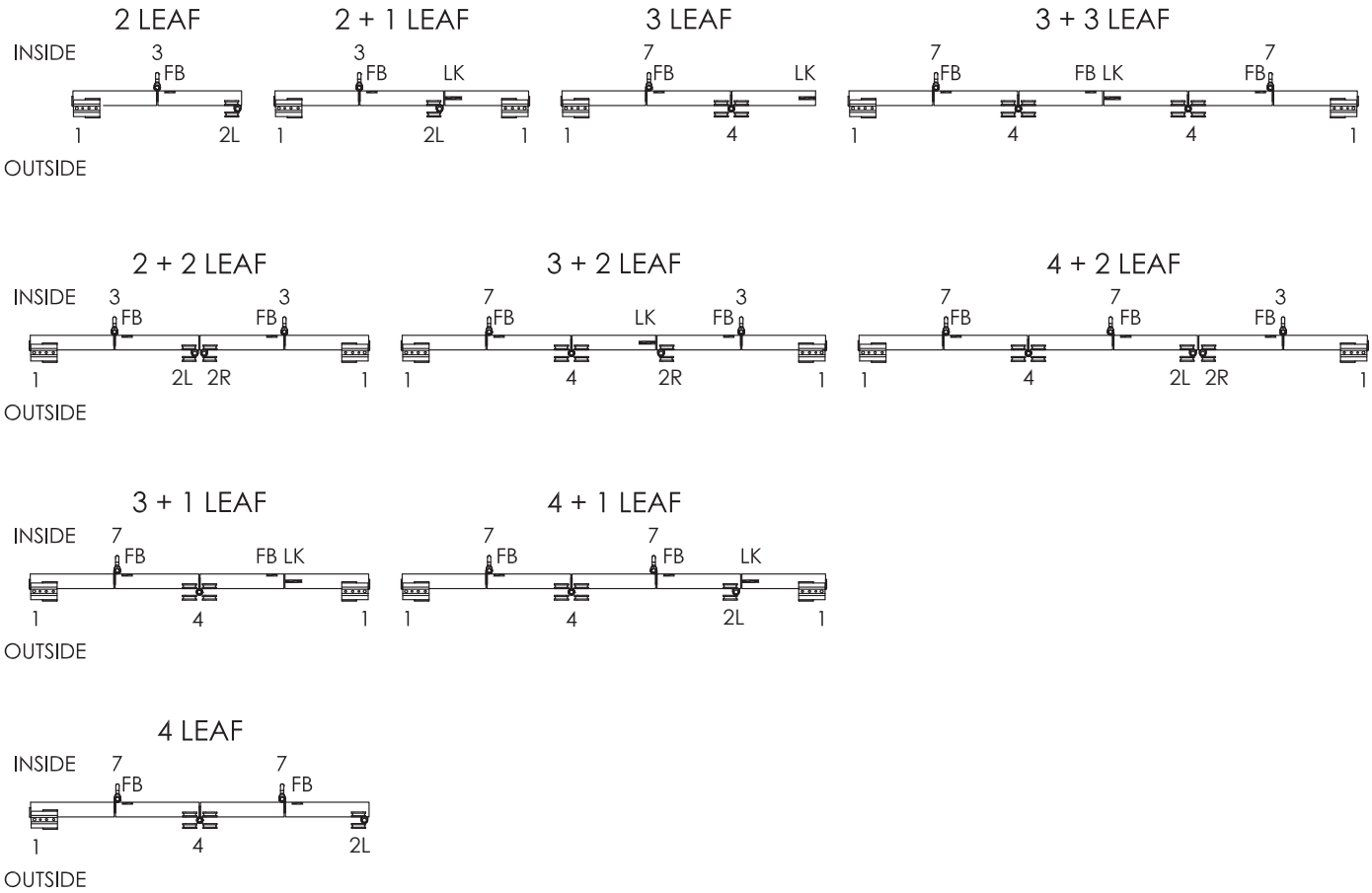




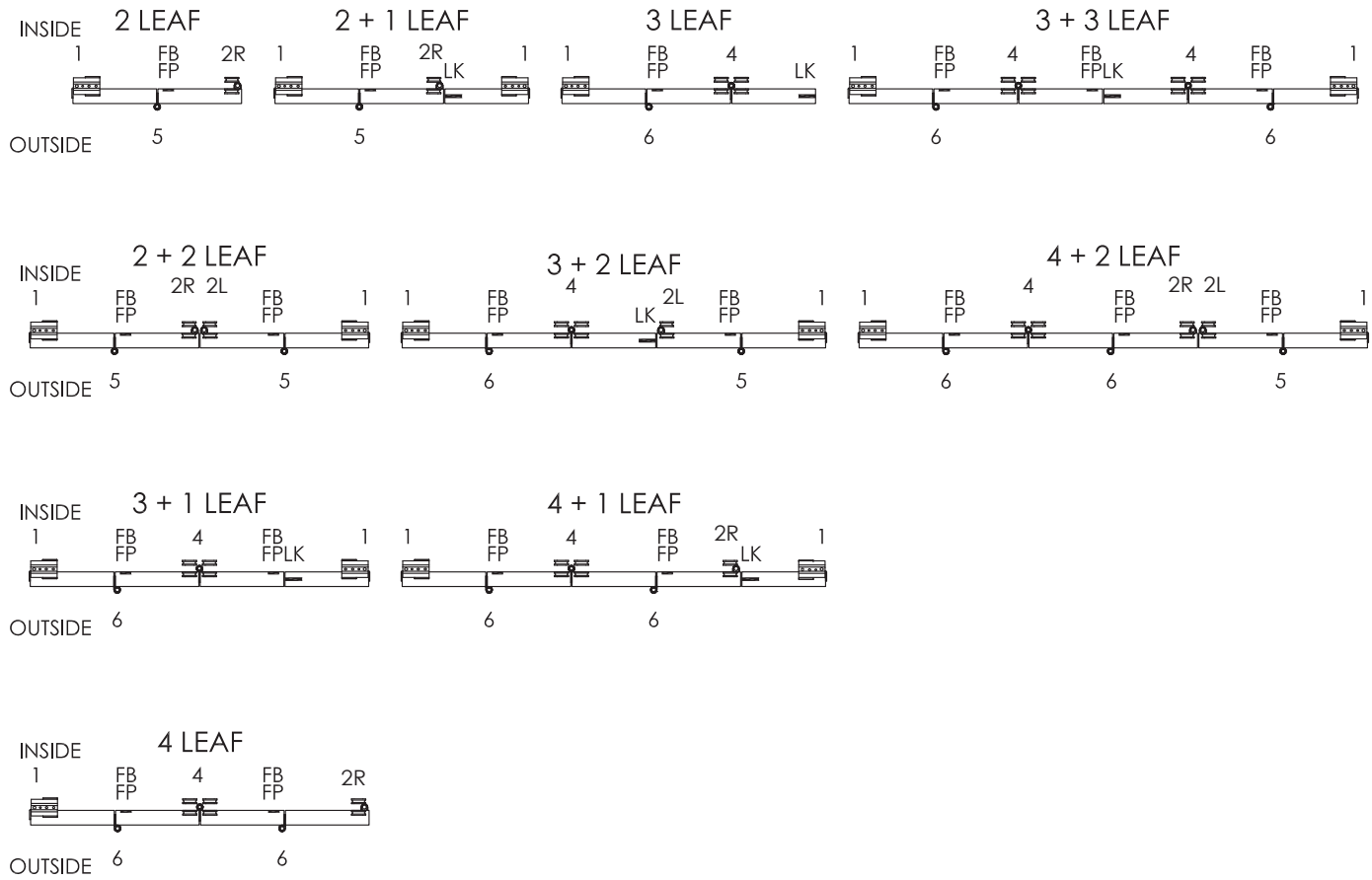


Door Hardware Set Orientation FB = Flush Bolt, FP = Flush Pull, LK = Lock

OUTWARD OPENING (Up to 4 panels each way.)

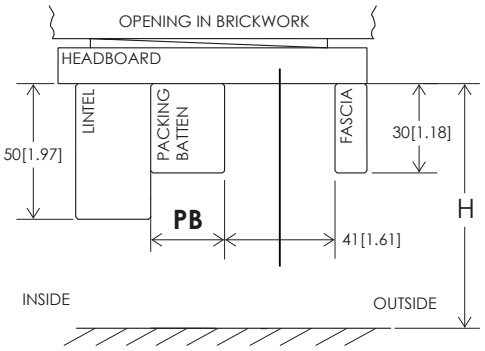


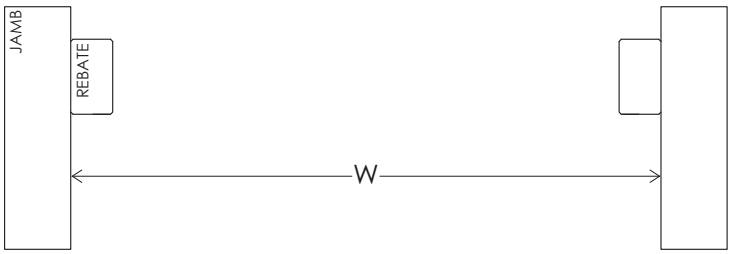
INWARD OPENING (Guide Systems 6 panels each way. Non-Guide Systems 4 panels each way.)

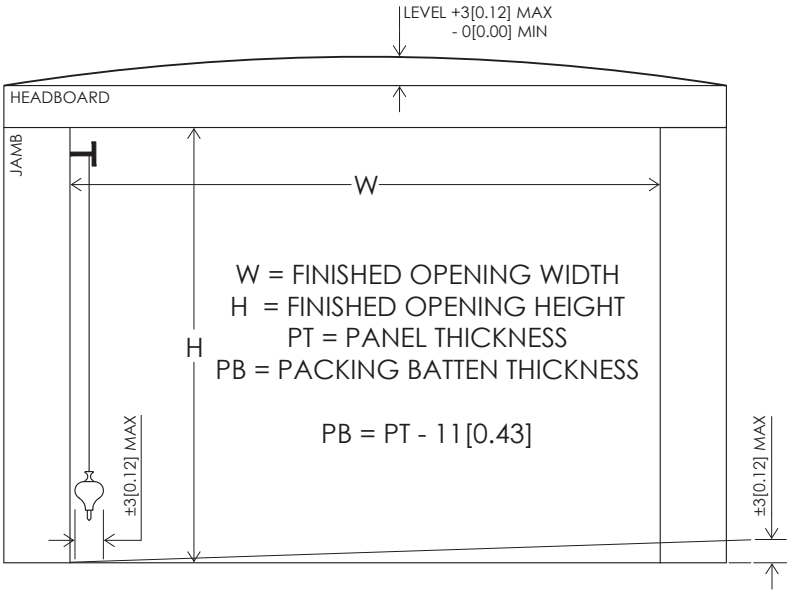


Opening Preparation outward opening system shown, dimensions shown in mm[inches]

NO RECESSED CHANNEL

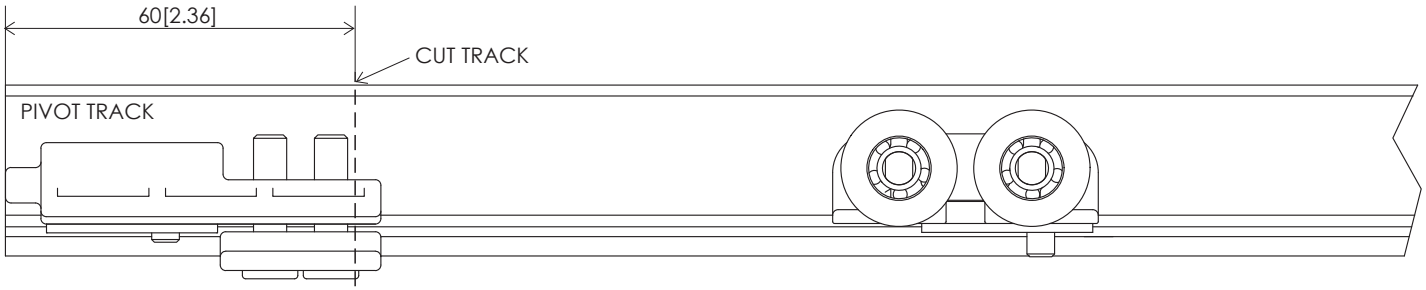




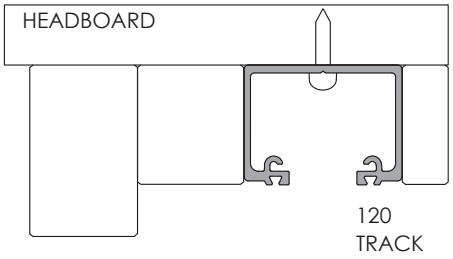


Track Preparation track and channel cut to length 'W'

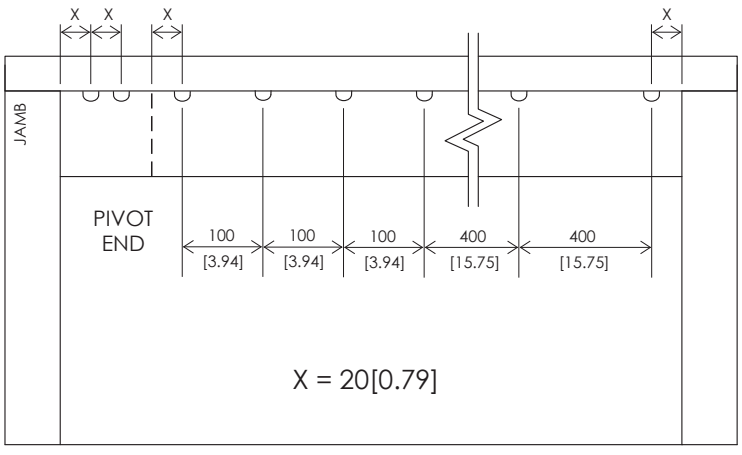
Allows access to hangers by removing track section



Install Track & Channel



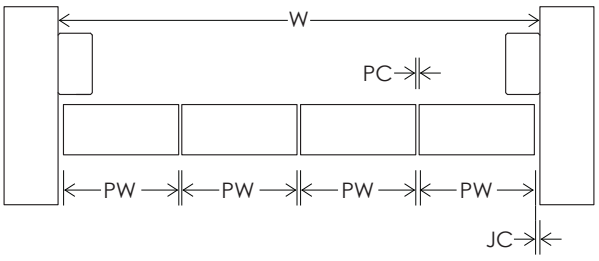
Countersink and screw fix channels at 400[15.75] intervals.



Fix track with 8G screws. After initial 6 fixings, fix screws at 400[15.75] intervals.

Panel Size Calculation

Brio Interfold allows for equal size panels

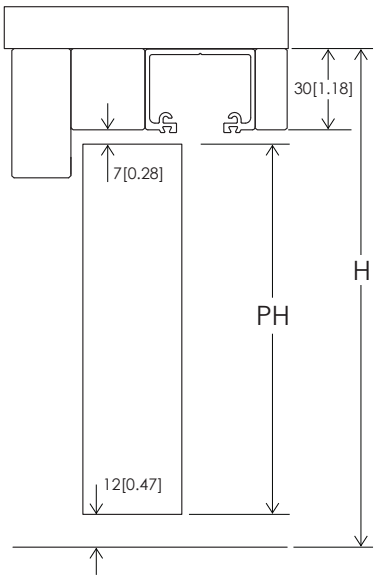


N = No. of Panels
PW = Panel Width
JC = Jamb Clearance = 6[0.24]
PC = Panel Clearance = 3[0.12]

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

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

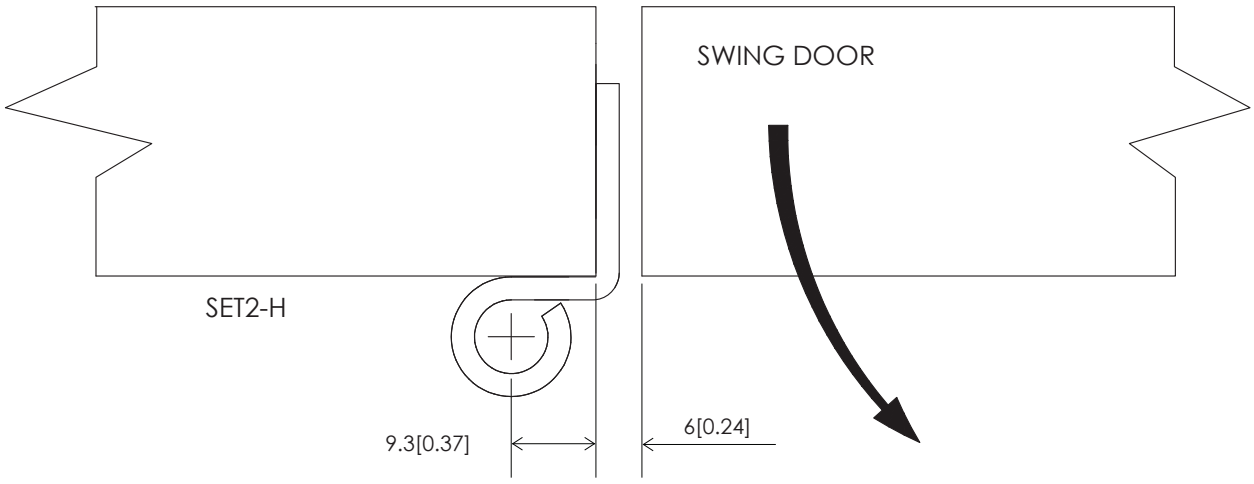
Non-Guide System
PH = Panel Height



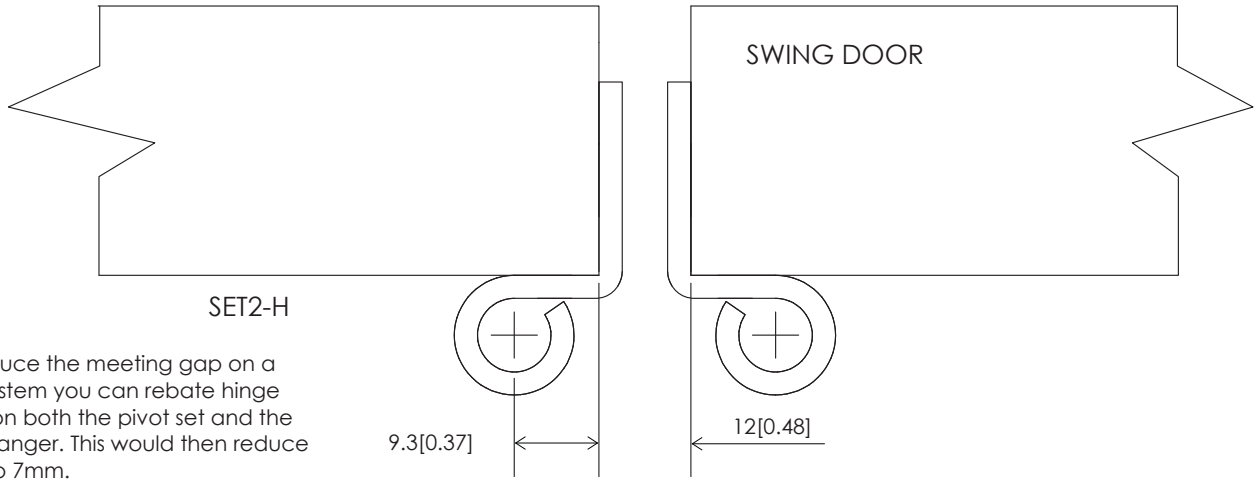
PH = H - 49[1.93]

Meeting Door Selection

2 Meeting square doors with swing door



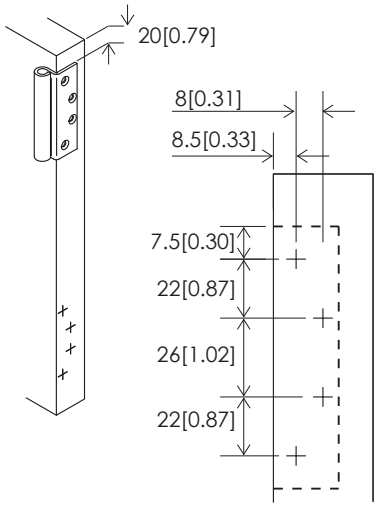
2 Meeting square doors with 2 end hangers meeting



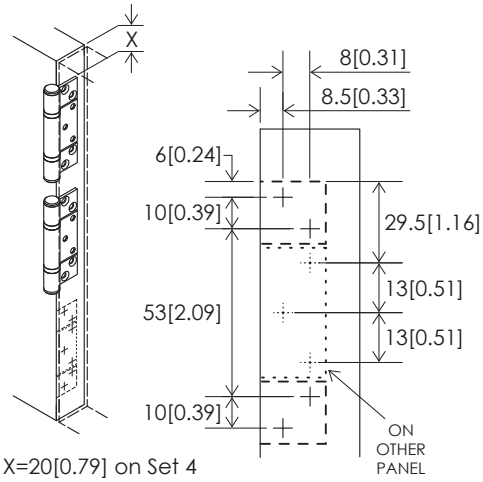
To reduce the meeting gap on a 2+2 system you can rebate hinge flaps on both the pivot set and the end hanger. This would then reduce gap to 7mm.

Hinge Installation pilot hole of Ø2.5mm[0.12"] recommended. Panel thickness 30[1.18] minimum.

SETS 1 & 2H



SETS 3, 4, 5, 6 & 7

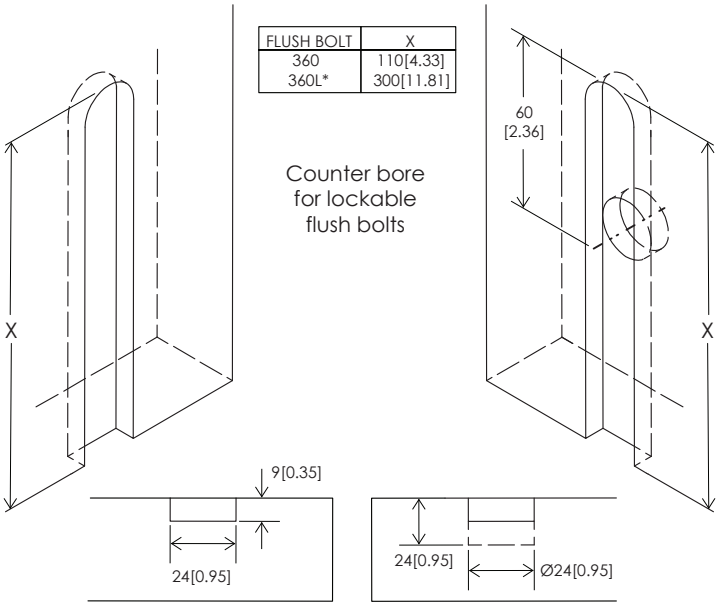


X=20[0.79] on Set 4
X=60[2.36] min on Sets 3, 5, 6 & 7

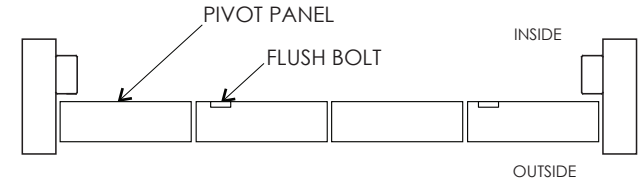
Flush bolt Position see page 2 for flush bolt location for all configurations, router available

Install flush bolt to panel

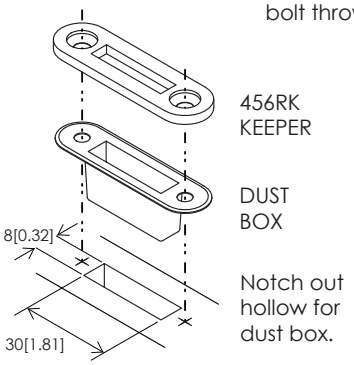
FLUSH BOLT	X
360	110[4.33]
360L*	300[11.81]



Install flush bolt keeper to sill

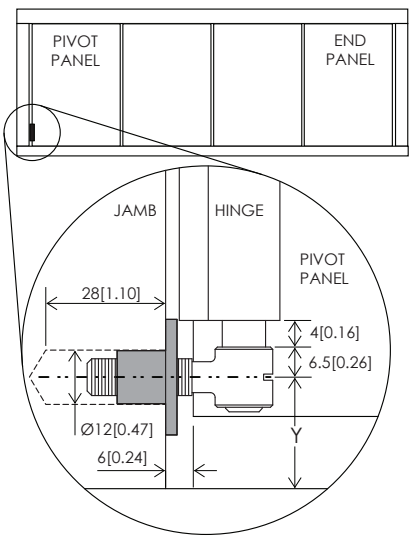


Mark where flush bolt throw strikes.

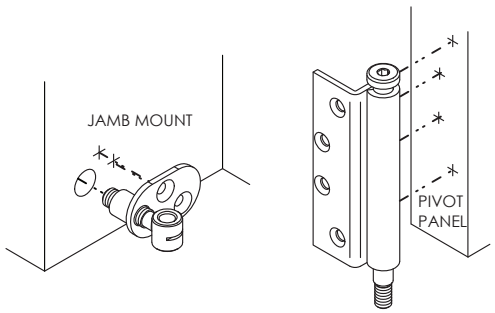


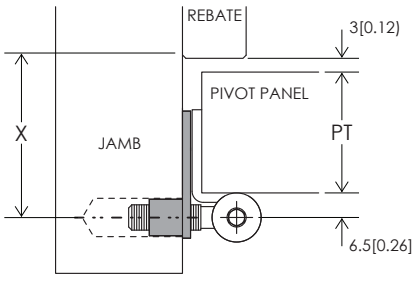
Installation of Bottom Pivot

Installation



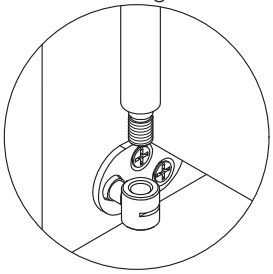
Y= 17.5[0.69] for Guide systems (from top of channel)
Y= 21.5[0.85] for Non-Guide systems (from floor).



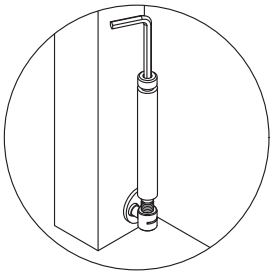


X = PT + 9.5[0.37]

For adjustment see page 7
Bolt aligns

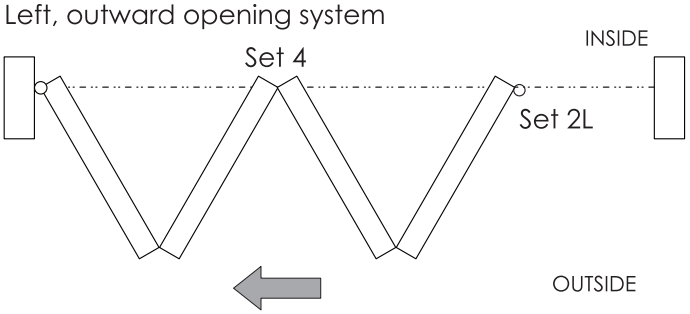


Wind bolt in:

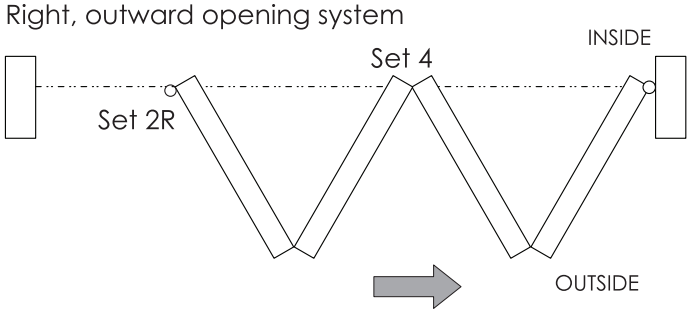


Determining System Orientation

Left, outward opening system

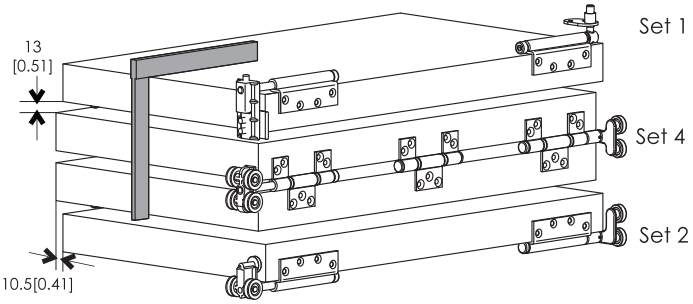


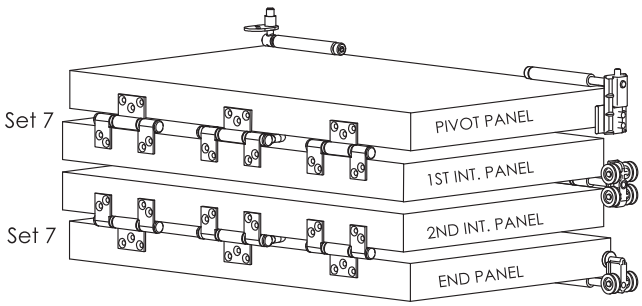
Right, outward opening system



Attaching Hardware to Panels recommended before installation

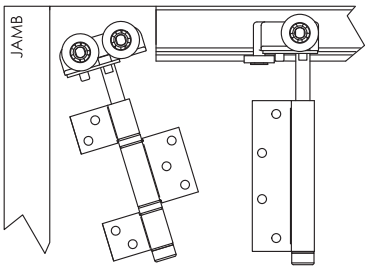
Ensure doors are level and square from top



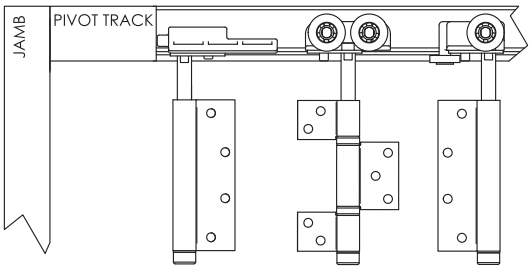


Installing Hardware and Hanging Panels clean down inside of track and channel

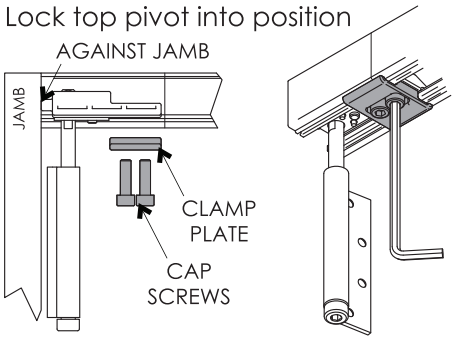
Insert rollers through opening in correct order.



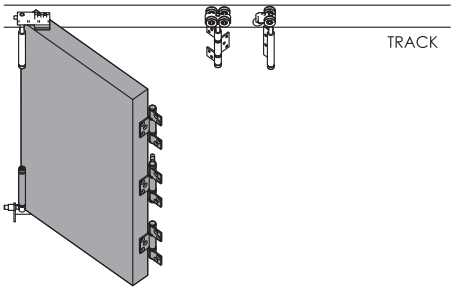
Fix Pivot Track section.



Lock top pivot into position

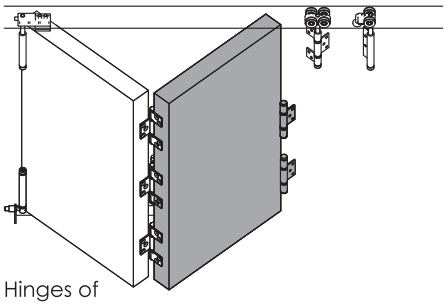


Bring pivot panel to top pivot



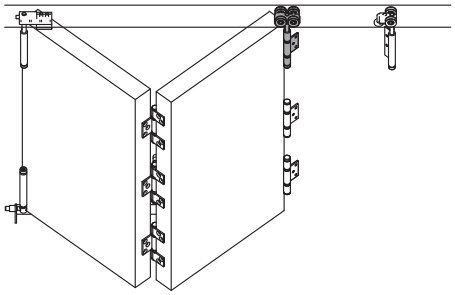
Bottom pivot hinge & hinge set 7 attached to panel

Bring 1st int. panel to pivot panel

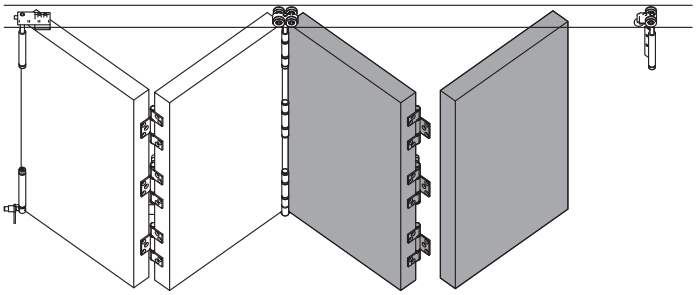


Hinges of int. set attached.

Fix int. hanger to int. panel

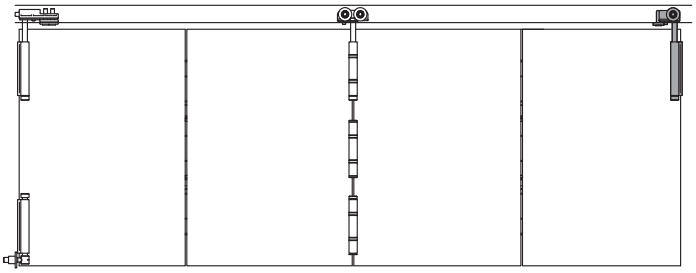


Bring 2nd int. panel to the int. hanger with hinge set 7



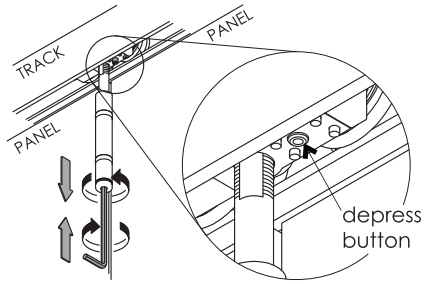
Bring end panel to hinge set 7

Fix end panel to end hanger

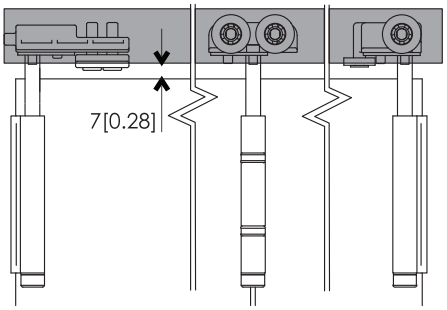


Adjustment Hanger bolt locking block applied to all hangers and top pivot

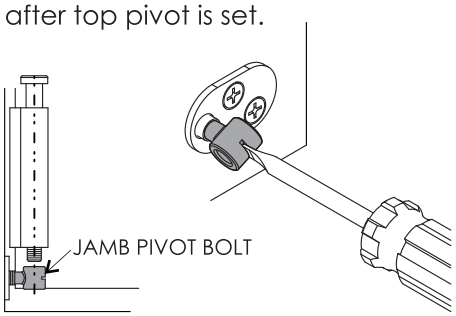
To adjust height, depress button and wind bolt. Bolt locks off automatically on flats.



Adjust all hangers and top pivot until panels are level with track

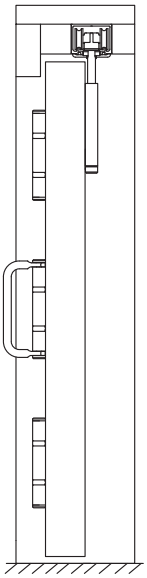


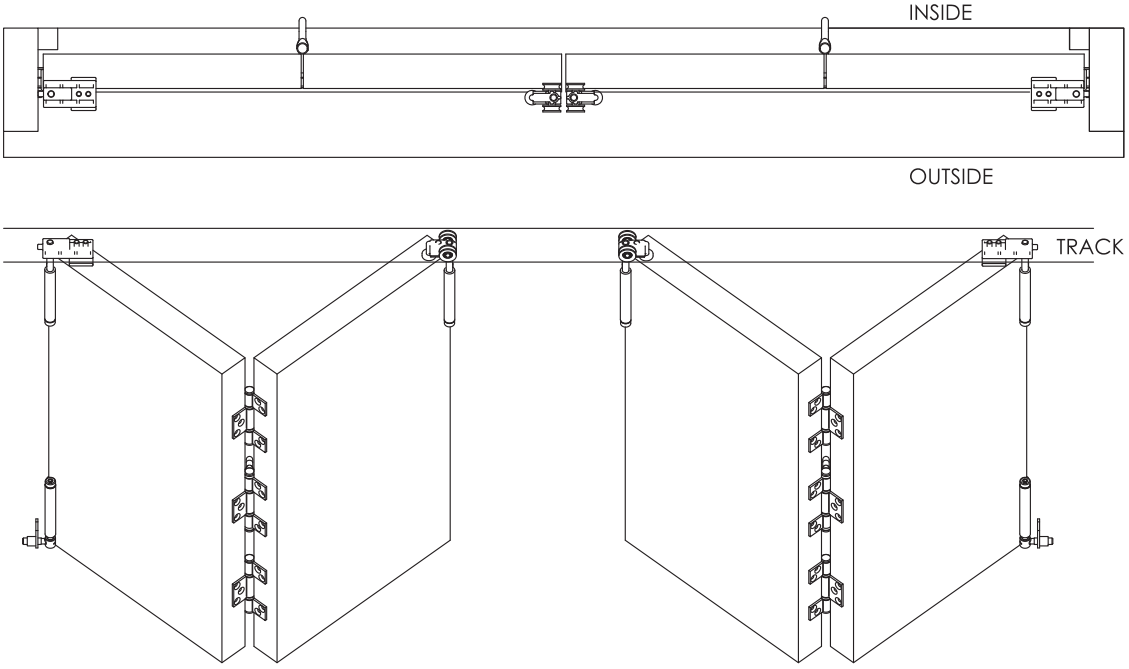
Wind jamb pivot bolt in or out until it aligns with hinge bolt on panel after top pivot is set.



System Overview

NON-GUIDE SYSTEM





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.

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