

Brio®



Brio® where ideas unfold

Brio® Weatherfold 4s
Exterior folding hardware for panels up to 150kg

Brio® where ideas unfold

Watch your adventurous architectural ideas unfold into exciting reality with the Brio range of sliding and folding door hardware.

Brio is passionate about shaping the spaces in which people live, work and play. With subsidiaries in the UK and USA – Brio is recognised by architects worldwide as a leading design and manufacturing company.

Brio's R&D department brings a strong design element to the business, developing and testing ground breaking concepts that continue to be at the forefront of the industry.

So it's no surprise our name Brio translates to Energy, Spirit and Vitality – the core values that drive us to always discover new solutions for our customers.

We are committed to the continuous improvement of quality. That is why Brio, located in Sydney, is certified to Quality Management System AS/NZS ISO 9001:2008.

Brio, part of the Allegion family of brands





Doors designed and made by Steel Window Design, architecture by Ben Callery Architects, photography by Tatjan





Plitt Photography

Brio® Weatherfold 4s

Brio brings a stylish edge to any home or commercial venue when it comes to using space more efficiently.

Exterior folding doors are without doubt the key to indoor/outdoor living. Whether you need to connect or partition an outdoor area; exterior folding doors open and close effortlessly, and stack unobtrusively to create wide open vistas.

Brio's Weatherfold series has long been recognised as the architectural standard in exterior folding door hardware. Designed in Australia, Brio Weatherfold is trusted by major window and door manufacturers worldwide.

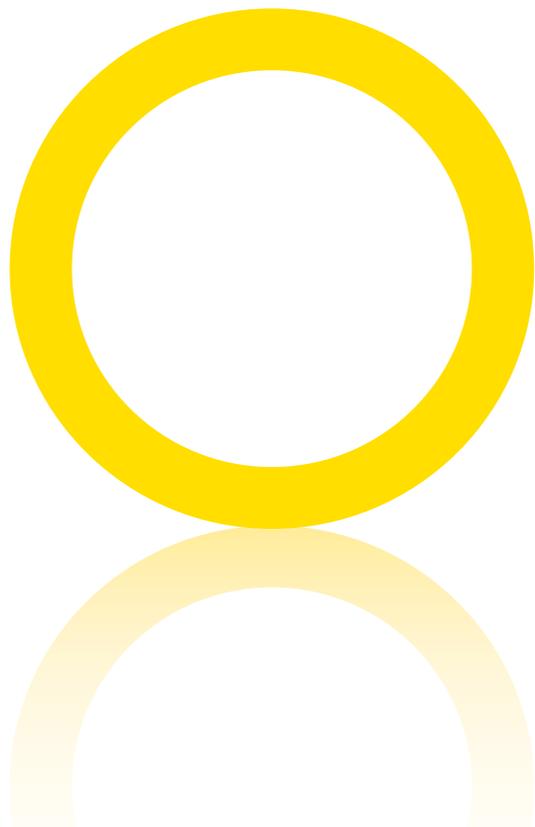
Weatherfold 4s has been developed to handle panels up to 150kg with precision and ease. The impressive hardware can create openings up to 4m high and 19.6m wide.

Up to eight equal size panels can fold seamlessly in each direction with either inward and outward opening functionality.

Suitable for metal and timber doors, there are three panel weight capacities available:

- 50kg
- 100kg
- 150kg

A complete system includes pivot sets, hanger sets, hinge sets, top track, bottom channel, seals, locking options and screening.



Features

The latest in a long line of Brio innovation, Weatherfold 4s brings numerous features, making it the smartest choice for exterior folding door hardware.

Integrated Locking Mechanism

The patented push button locking mechanism is a stand-out element and is consistent across all hangers and pivots. It has no loose parts which can be misplaced during installation.

Easy Adjustment

For faster installation, the locking mechanism provides easy vertical adjustment. Just simply depress the push button and lower or raise the panel using the hex key provided.

Failsafe Design

The "set and forget" locking technology means the system self locks as soon as the push button is released, ensuring that the panel always remains set.

Concealed Design

The locking mechanism is concealed within the track to offer greater visual appeal.

Security

The intermediate hanger hinge, bottom guides and pivot now feature non-removal pin technology for enhanced security. No exterior hardware can be tampered with or removed.

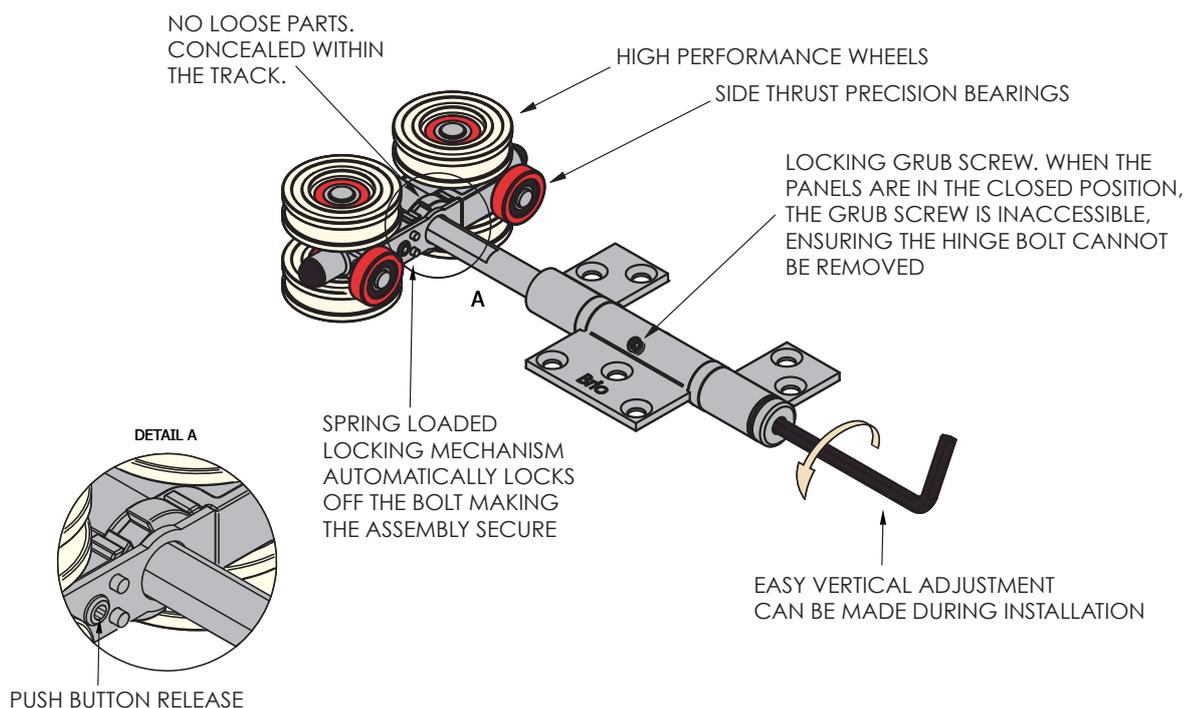
Weight Capacity

Sustainability trends and legislation are changing the way buildings are designed. There has been increased use of double glazing as a means of maximising thermal and acoustic insulation. Impact resistant glass is also being specified as a safety feature. All of this results in heavier panels. Weatherfold 4s has taken this into account with high performance wheels and bearings and side thrust capabilities. As a result of this design, Weatherfold 4s is available in three panel weight capacities including 150kg.

Panel Sizes

Weatherfold 4s 50 and 100 can operate 1m wide panels while Weatherfold 4s 150 can be used with panels 1.2m wide. Maximum panel height is 3m on Weatherfold 4s 50, 3.3m on Weatherfold 4s 100; and 4m on Weatherfold 4s 150.

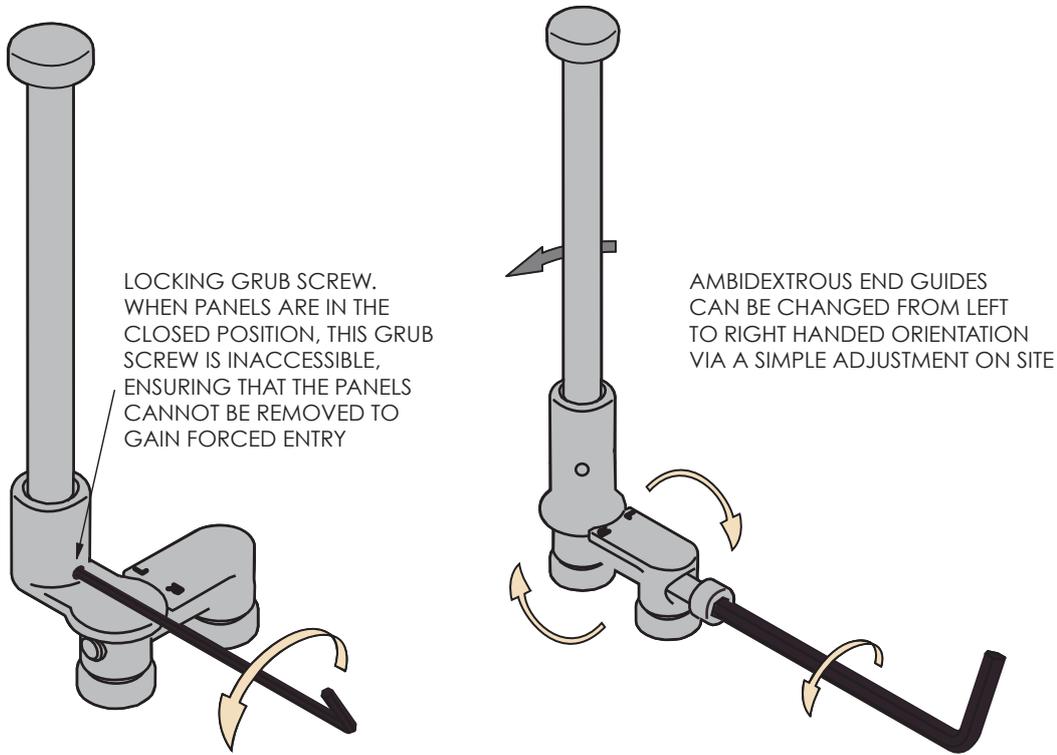
Brio Weatherfold 4s 100 Intermediate Hanger



Ambidextrous End Guides

Brio's ambidextrous end guides put an end to specifying left or right handed components. The end guides can be changed from left to right handed orientation via a simple adjustment on site. A handy feature that prevents installers being stranded with the wrong hardware.

Brio Weatherfold 4s End Guide



Aesthetics

All visible hardware is supplied in a choice of three premium finishes; Polished Stainless Steel, Satin Stainless Steel and PVD Brass. PVD (Physical Vapor Deposition) provides an attractive finish and hard wearing surface that is highly corrosion resistant.

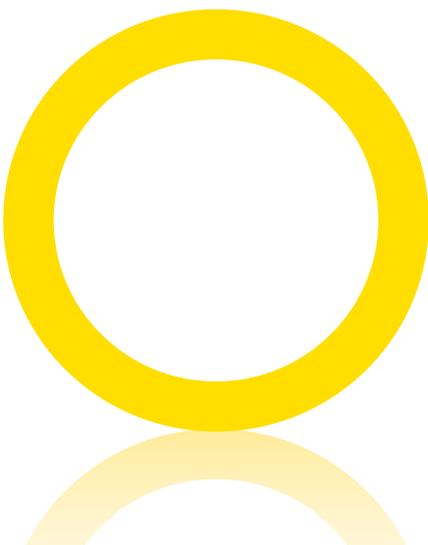
Brio 456 Flush Bolts



Polished Stainless

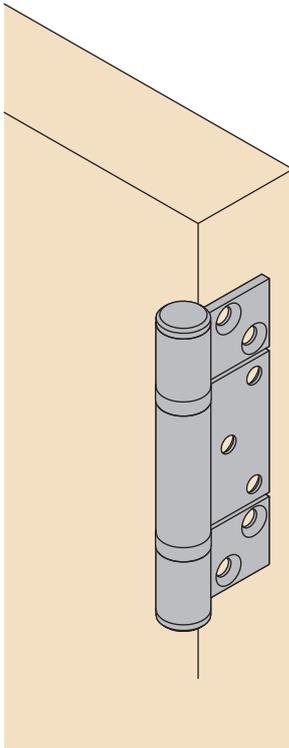
Satin Stainless

PVD Brass



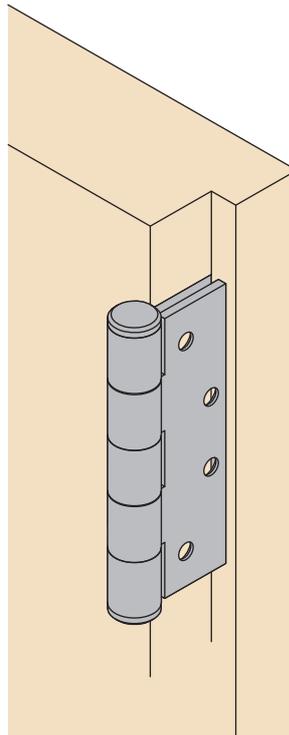
Hinge Options

Brio's hinge options offer versatility to suit a wide spectrum of applications.



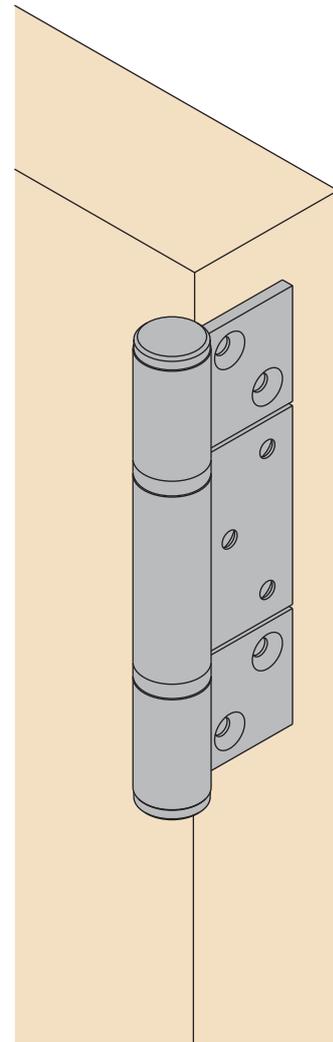
Non Mortice Hinge for Weatherfold 4s 50 & 100

- Surface mounted.
- Highly versatile. Suitable for timber panels and aluminium panels.
- Accommodates panels 35-68mm thick. Shown above on a 40mm thick panel.
- Ideal for Weatherfold 4s 50 timber and aluminium systems.
- Hinge size: 100mm high x 66mm wide x 3mm thick.



Mortice Square Corner Hinge for Weatherfold 4s 50 & 100

- The Classic Look.
- Provides the traditional straight-edge look of timber joinery
- Accommodates panels 35-68mm thick. Shown above on a 40mm thick panel.
- Suitable for rebated panels down to 35mm thickness.
- Ideal for Weatherfold 4s 50 systems for timber.
- Hinge size: 100mm high x 66mm wide x 3mm thick.



Non Mortice Hinge for Weatherfold 4s 150

- Surface mounted.
- Highly versatile. Suitable for timber panels and aluminium panels.
- Accommodates panels 44-68mm thick. Shown above on a 57mm thick panel.
- Used only on Weatherfold 4s 150.
- Hinge size: 152mm high x 92mm wide x 4mm thick.



Accessories

Screening

Brio Weatherfold 4s and the optional integrated Brio 612 Retractable Pleated Insect Screen have been designed to work perfectly in your home and workplace.

The Brio 612 Retractable Pleated Insect Screen is the largest of its kind on the market, offering innovative and functional ways to screen large openings while protecting your home from annoying insects.

A single screen can span 3.2m high x 4.5m wide, accommodating a 5 panel folding unit with each panel up to 900mm in width. While a double screen can span 3.2 m high x 9 m wide.

The Brio 612 screen uses the latest European PVC coated polyester mesh with UV protection technology. Screens come in three powder coat colours - Black, Silver and White, with custom colours also available.

Brio's 612 screen can screen corner openings without the need for a corner post, providing stunning uninterrupted views, as shown above.

To ensure the highest level of quality is maintained, Brio 612 screens are assembled in Brio's Sydney, Australia location. This manufacturing facility has made a significant investment into purpose built equipment that provides exceptional quality control.





Locking

Large, folding doors which connect the outdoors to your living space are a luxury but security is a necessity. Weatherfold 4s has two locking solutions available, Brio's 456 flush bolts for timber panels are available in many variations for all applications (see pages 29 and 30 for details). Brio's 512 flush bolts are specifically designed for aluminium panels and offer an easy solution to locking.

Brio's 286 dual point lock has been designed for timber and aluminium panels to offer a single action handle as a stylish alternative to two flush bolts. Brio's patented design can be used on Weatherfold 4s and single hinged panels (i.e. French doors). The 180° operation throws a shoot 22mm into the head and sill simultaneously for panels up to 3.5m high. Matching lever furniture 288, is also available with or without a built in magnetic catch. For more on Brio's 286 dual point lock visit Brio's website.

Adjustable Hinges

Brio's patented XY hinges are designed for 100kg aluminium and timber panels which are hinged to a jamb as a system or as an individual door. The discreet, surface fix design allows quick and easy installation and simple 2D adjustment of the panel which ensures the panel stays true to its perimeter seal and maintains weather performance.

Brio 286 Dual Point Lock and 288 Lever Furniture



Brio XY Adjustable Hinge



Self Draining Sills

Brio provides two optional self draining sills which suit 38-40mm panels. The 95HS sill operates with Brio's 456 flush bolts and the 94HS operates with Brio's 286 dual point lock. Both have the option to integrate Brio's 612 screen.

Magnetic Catches

The 882 magnetic catch enables the access swing door to be attached to the adjacent panel. The catch is designed to match the size, radii and finishes of Brio flush bolts and pulls.

An alternative to the 882 catches are Brio's 828 catches which are available in satin nickel or powder coat black. These catches use a rubber membrane to cushion their closing action.

Jamb Pivot

The BW189 jamb pivot is an adjustable centre hinge for Weatherfold 4s applications that require additional central support or where panels are taller than 2400mm. Hinging to the jamb provides a robust installation by fixing the panel in three locations.

Security Aligner

An alternative to the BW189 is the 199SS security aligner. This discreet product pulls the pivot door onto the frame to seal as the panel rotates shut. The 199SS is concealed and inaccessible when the doors are closed for additional tamper-proof security.



Durability

Nothing carries the Brio brand without undergoing a rigorous test program. A proven performer, Weatherfold 4s is no exception. All components of Weatherfold 4s have passed endurance tests, so you can rest assured that Weatherfold 4s is built to last.

Corrosion resistance

Weatherfold 4s has completed extensive corrosion resistance tests conducted in an industry standard salt spray chamber.

Weatherfold 4s uses the highest quality corrosion resistant materials. All components are constructed using 300 series stainless steel, with the cast items in 316 grade.

Brio is one of only a few global companies to passivate all visual stainless steel surfaces and electro-polish all cast stainless components. These processes greatly reduce and eliminate surface discolouration often referred to as 'tea-staining'.

The Weatherfold 4s premium finishes of Satin Stainless, Polished Stainless or PVD Brass provide another level of protection from the elements and further enhance the system's durability.

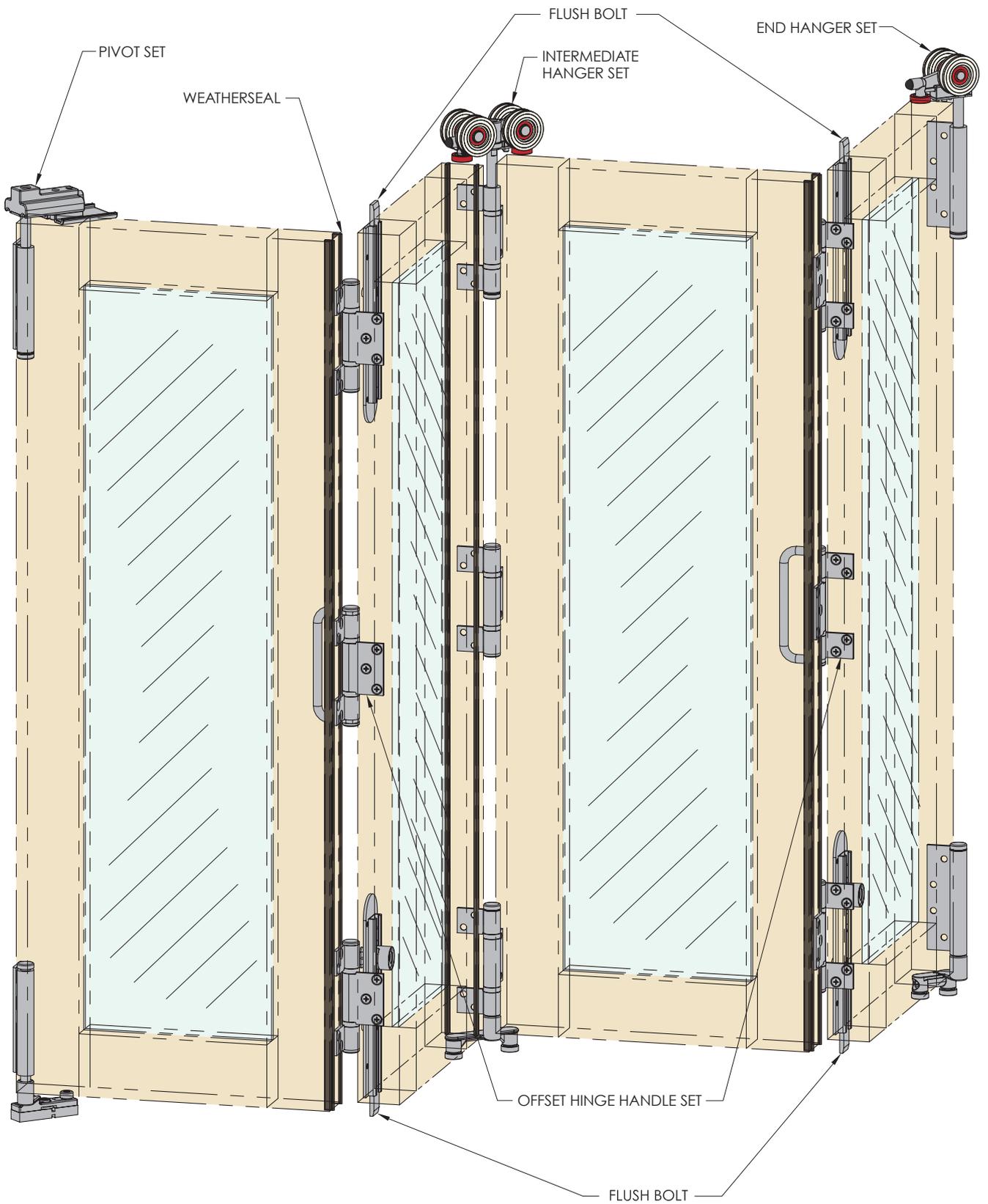
Backed by Brio's 10 Year Warranty

Brio Weatherfold 4s uses only the highest quality materials and is the culmination of countless hours of research and development and rigorous product testing. Therefore Brio is pleased to offer a 10 year warranty on all Weatherfold 4s hardware. Refer to Brio's web site for details.



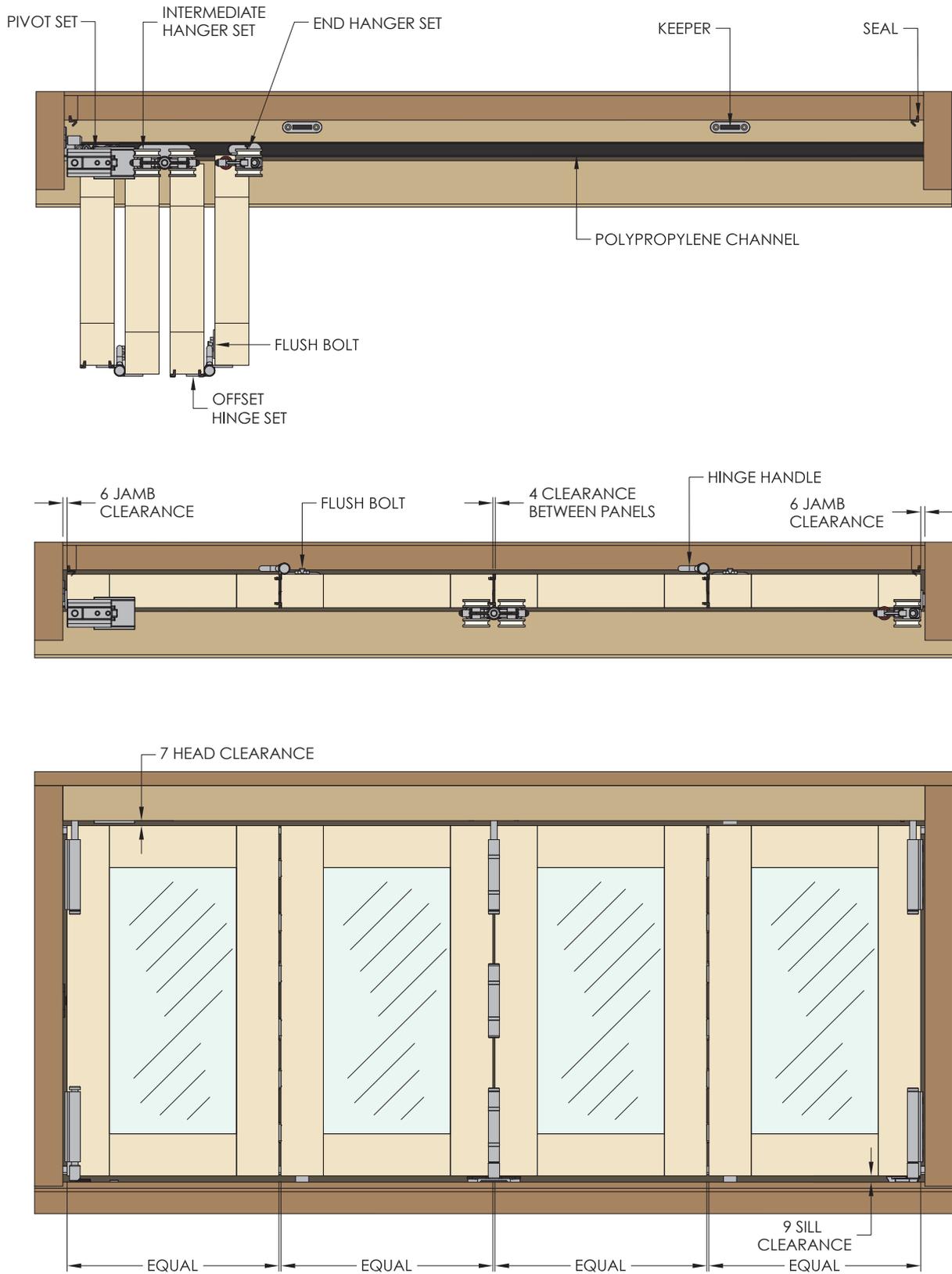
Weatherfold 4s 100

Hardware Layout – Non Mortise Hinges



Weatherfold 4s 100

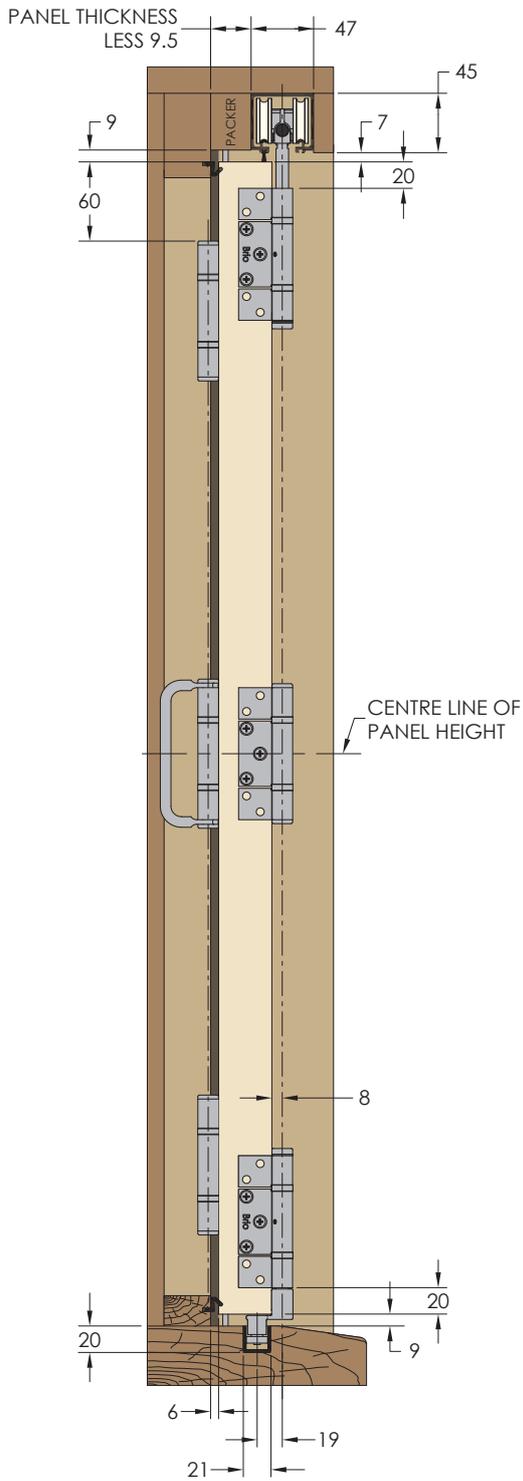
Top and Front Views – Non Mortice Hinges



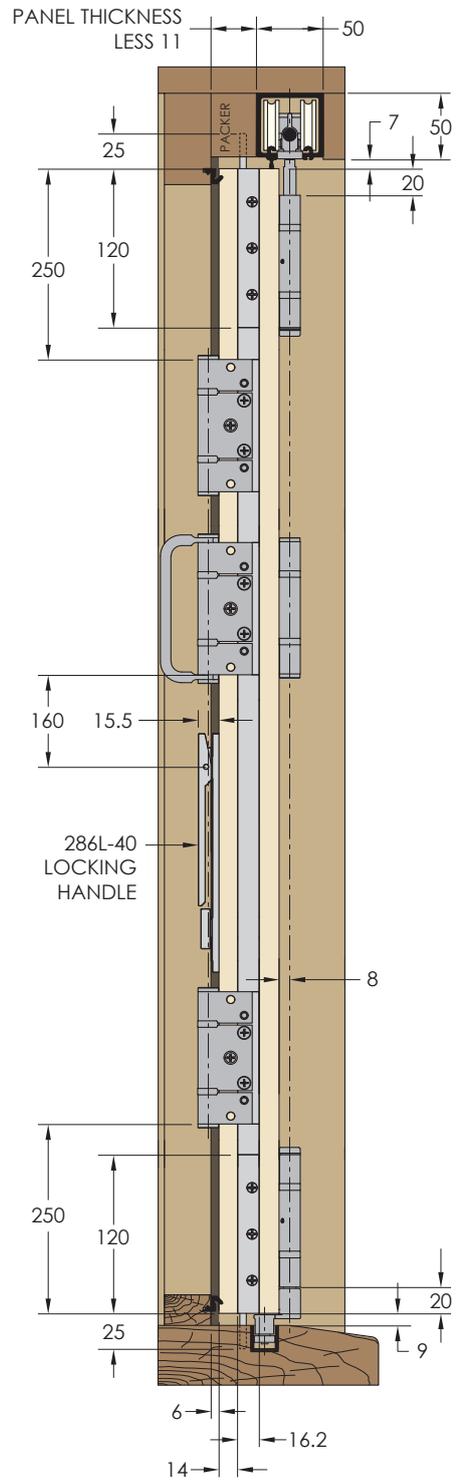
Weatherfold 4s 50 and 100

End View – Non Mortise Hinges

BRIO WEATHERFOLD 4s 50
SHOWN WITH 456 FLUSH BOLTS



BRIO WEATHERFOLD 4s 100
SHOWN WITH 286 DUAL POINT LOCK



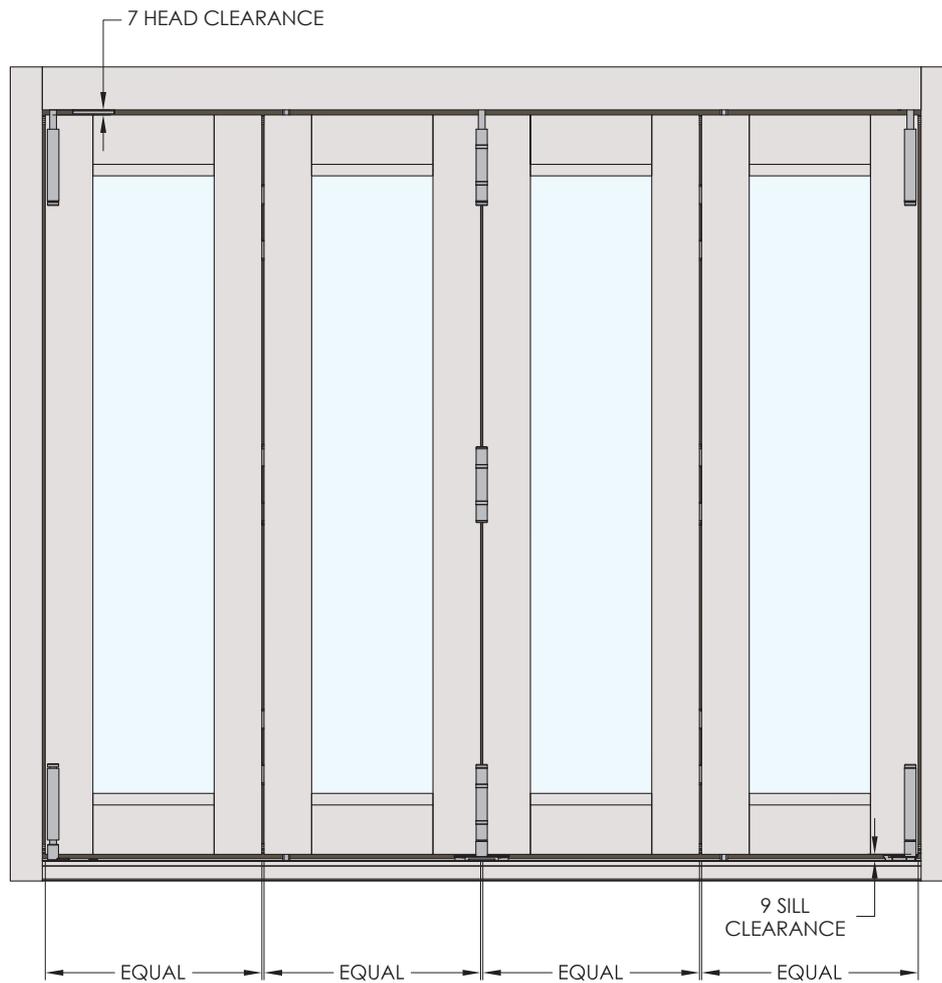
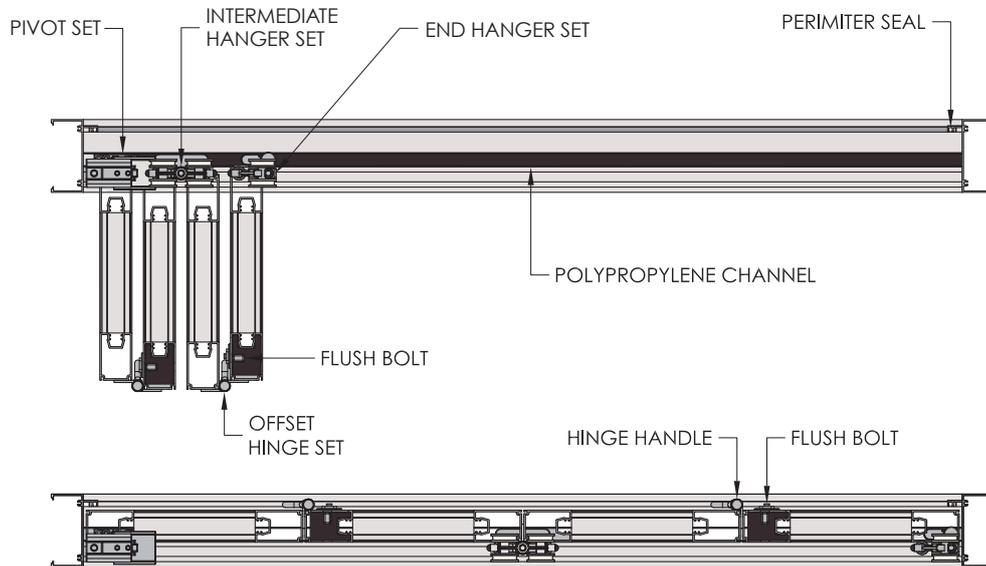
Weatherfold 4s 100

Hardware Layout – Non Mortise Hinges Aluminium Panels



Weatherfold 4s 100

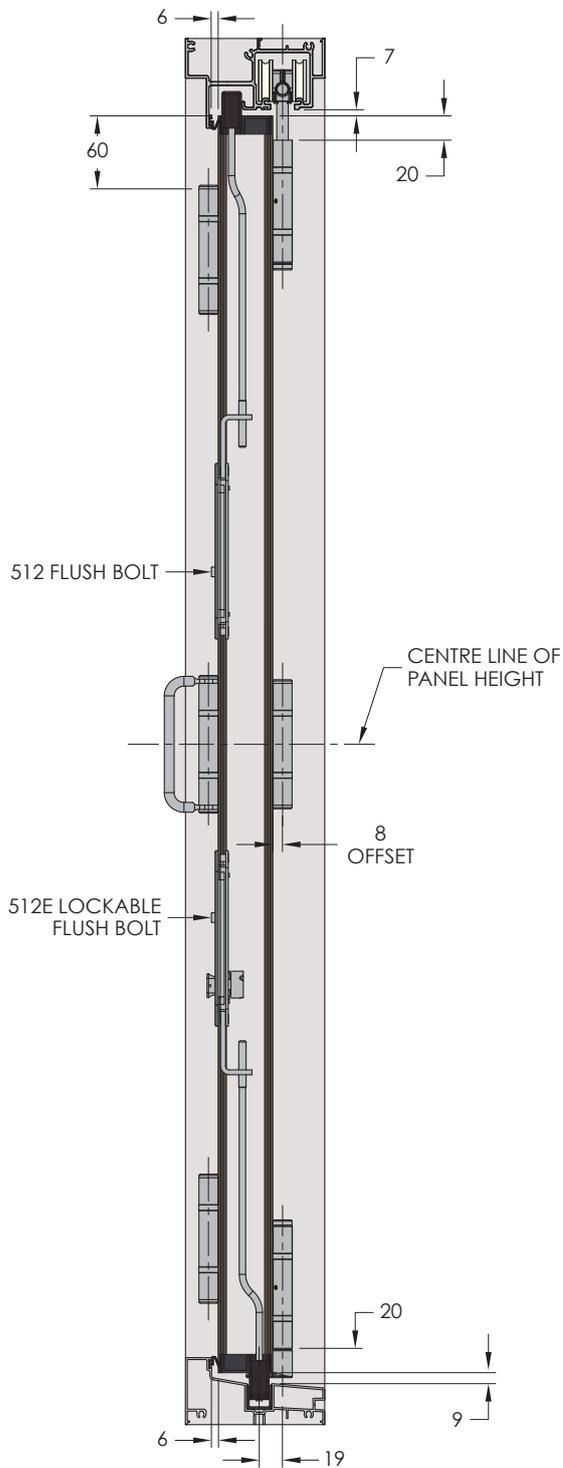
Top and Front View – Non Mortice Hinges Aluminium Panels



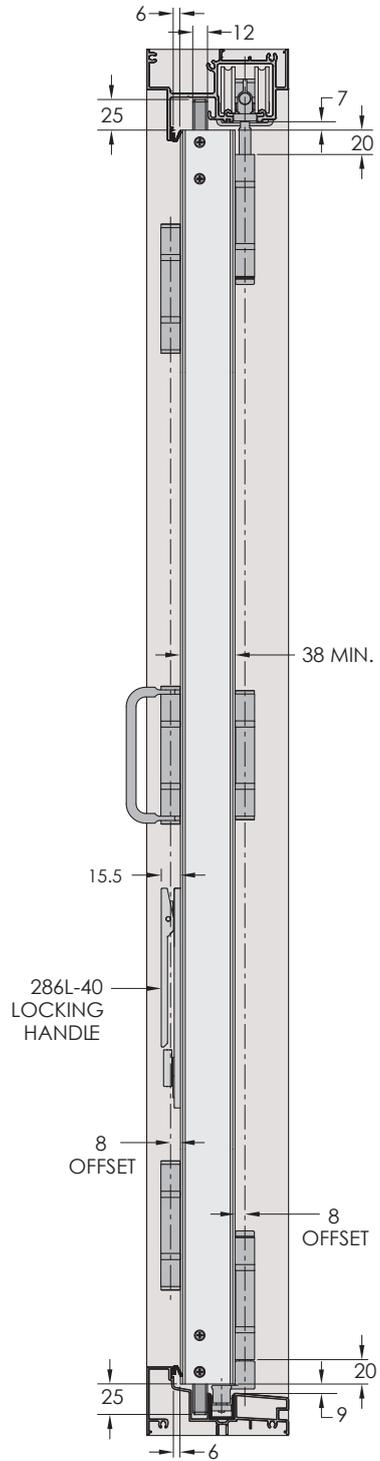
Weatherfold 4s 50 and 100

End View – Non Mortise Hinges Aluminium Panels

BRIO WEATHERFOLD 4s 50
SHOWN WITH 456 FLUSH BOLTS

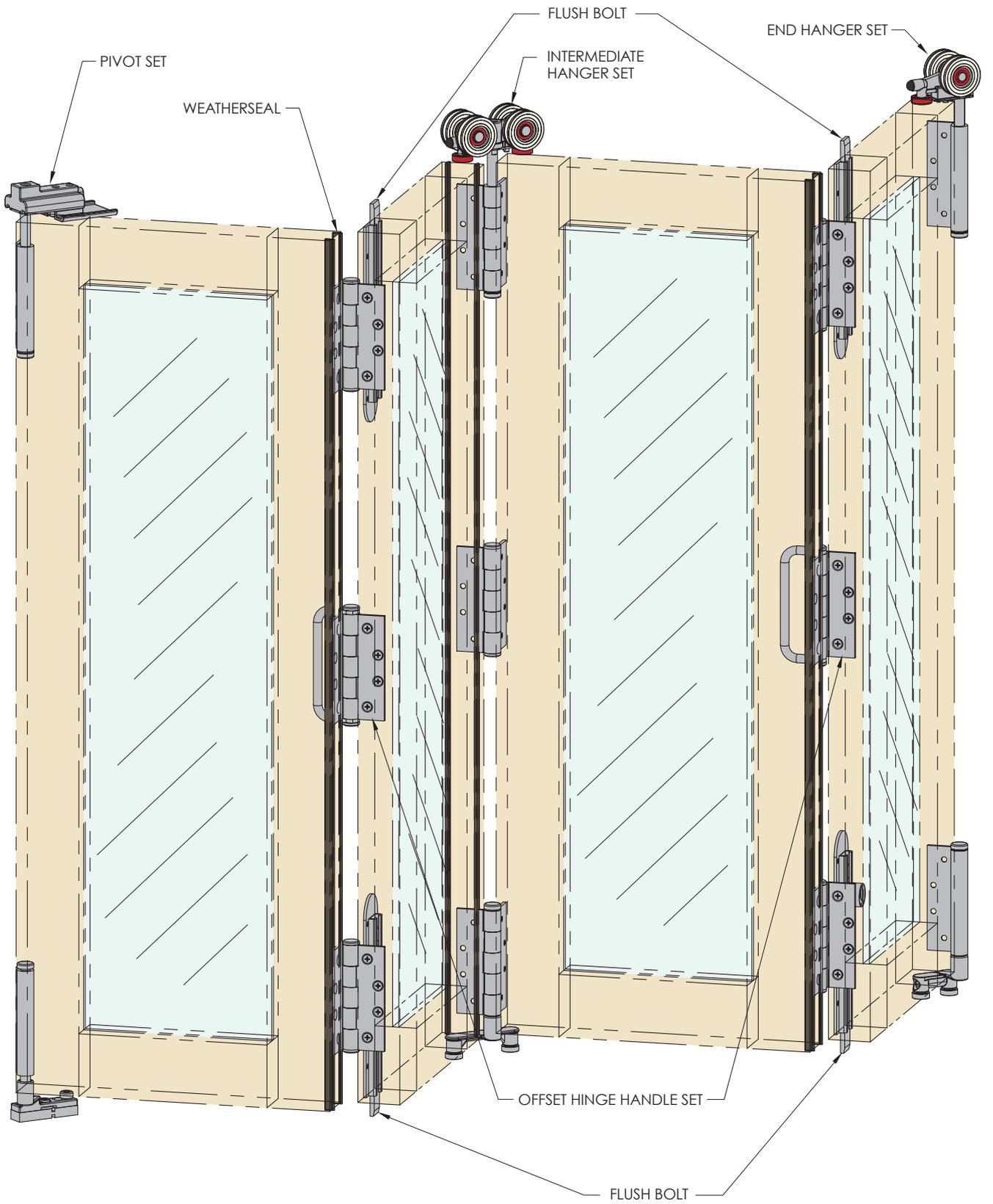


BRIO WEATHERFOLD 4s 100
SHOWN WITH 286 DUAL POINT LOCK



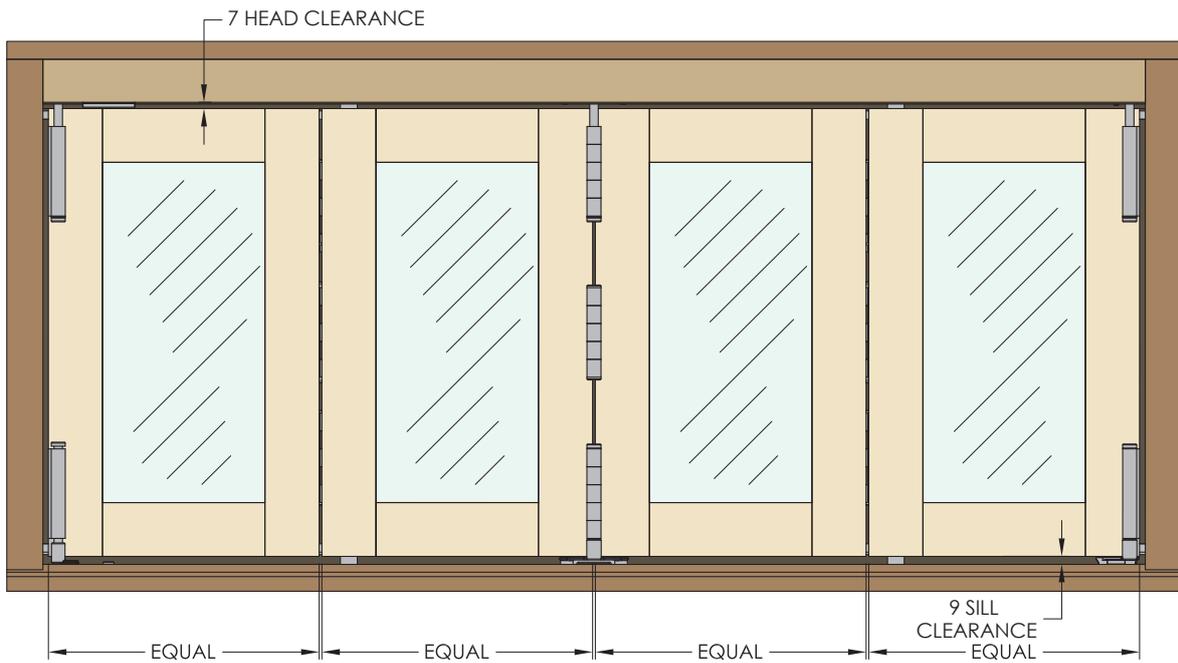
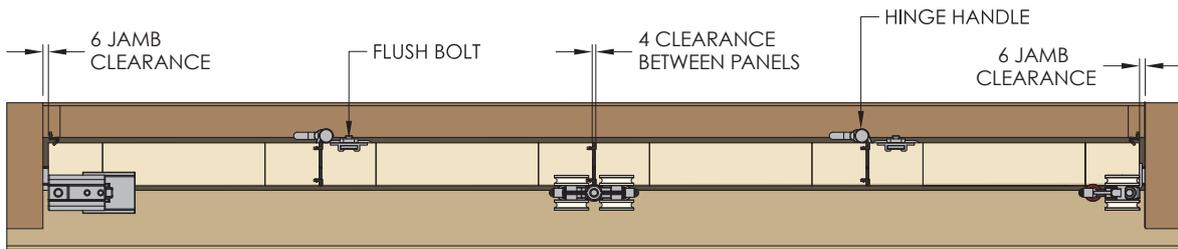
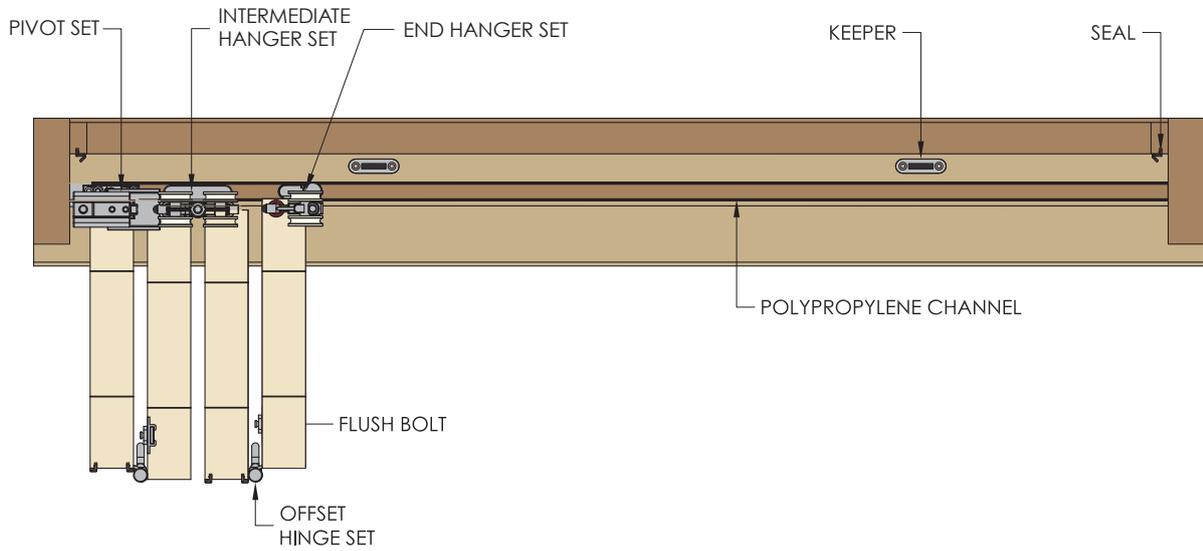
Weatherfold 4s 100

Hardware Layout – Mortise Square Corner Hinges



Weatherfold 4s 100

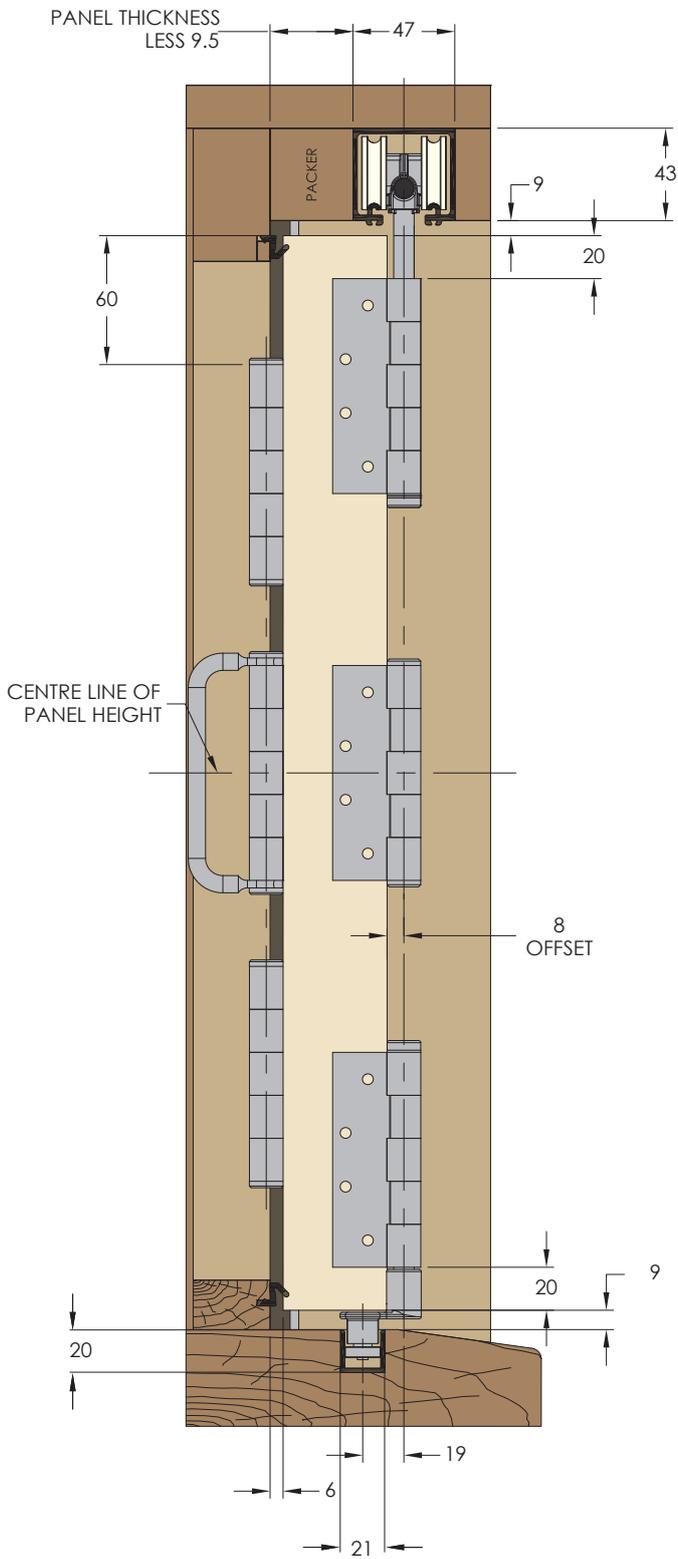
Top and Front View – Mortise Square Corner Hinges



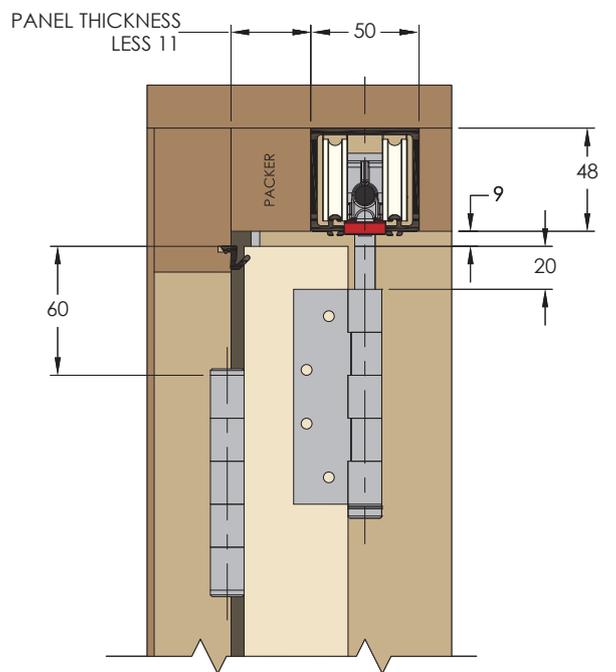
Weatherfold 4s 50 and 100

End View – Mortise Square Corner Hinges

BRIO WEATHERFOLD 4s 50
SHOWN WITH 456 FLUSH BOLTS

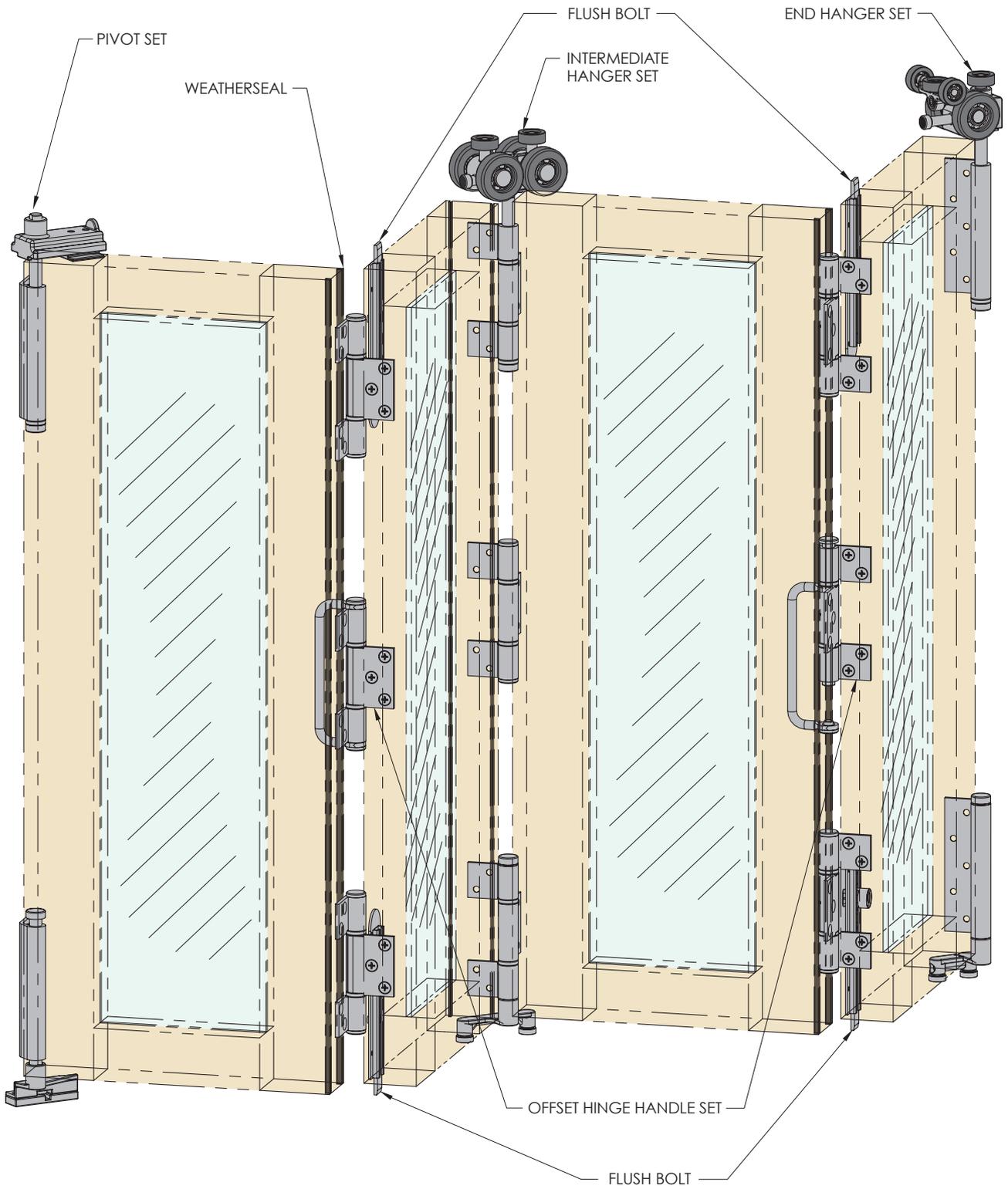


BRIO WEATHERFOLD 4s 100
SHOWN WITH 456 FLUSH BOLTS



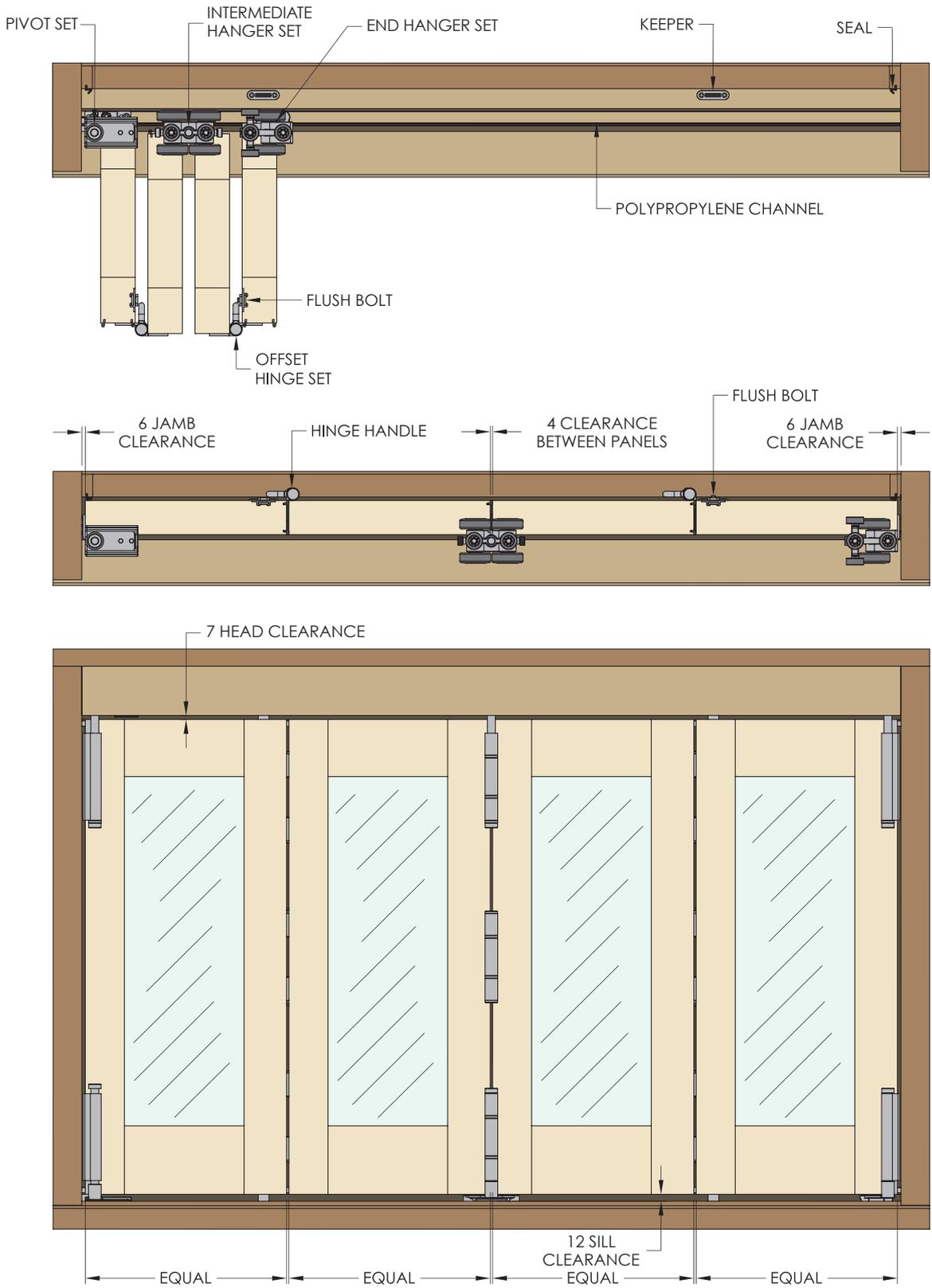
Weatherfold 4s 150

Hardware Layout – Non Mortice Hinges



Weatherfold 4s 150

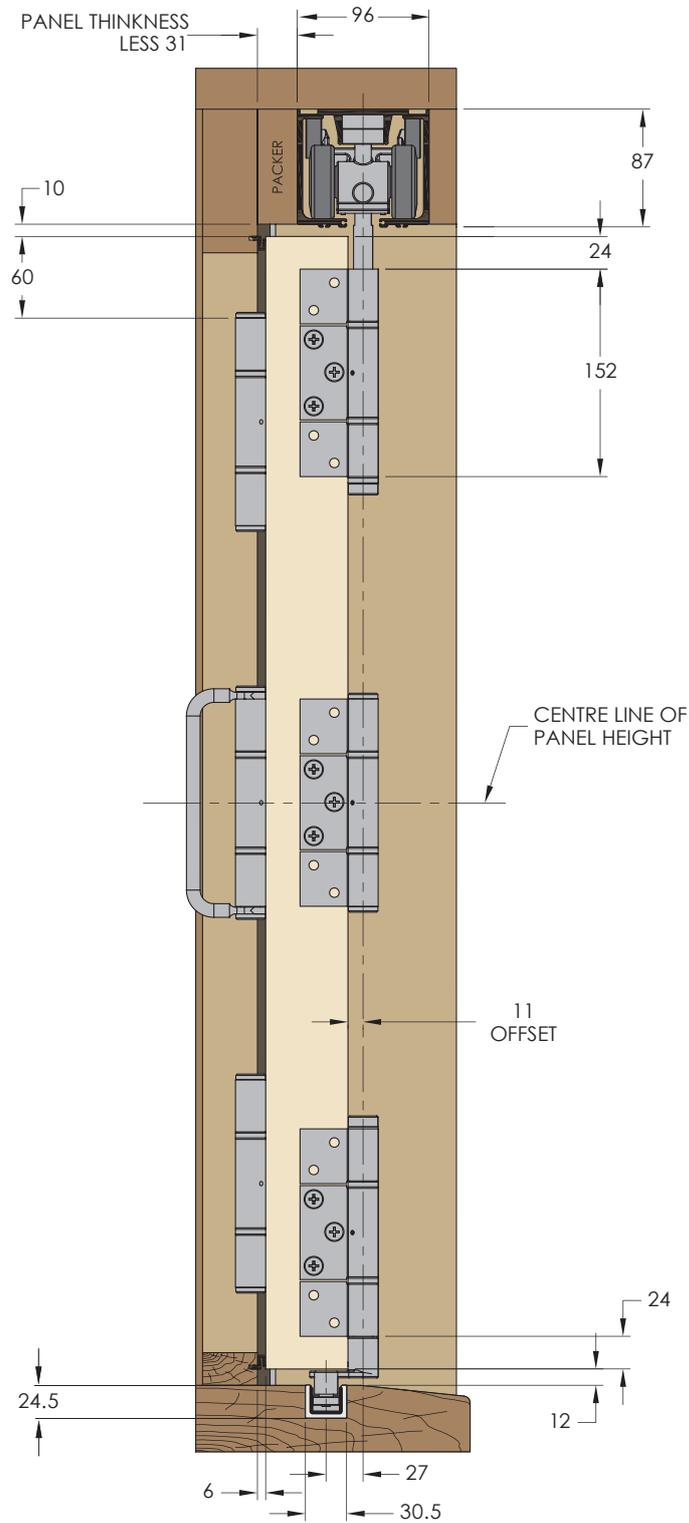
Top and Front View – Non Mortise Hinges



Weatherfold 4s 150

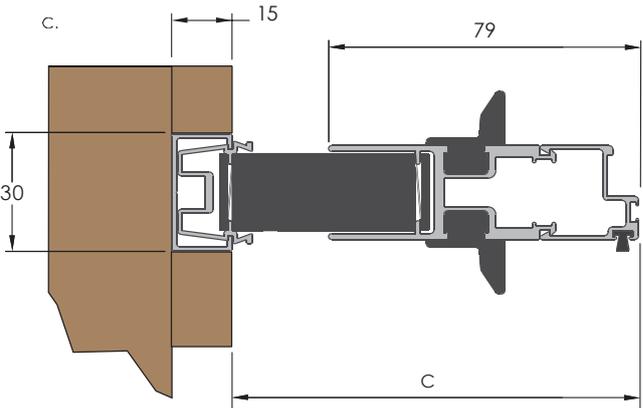
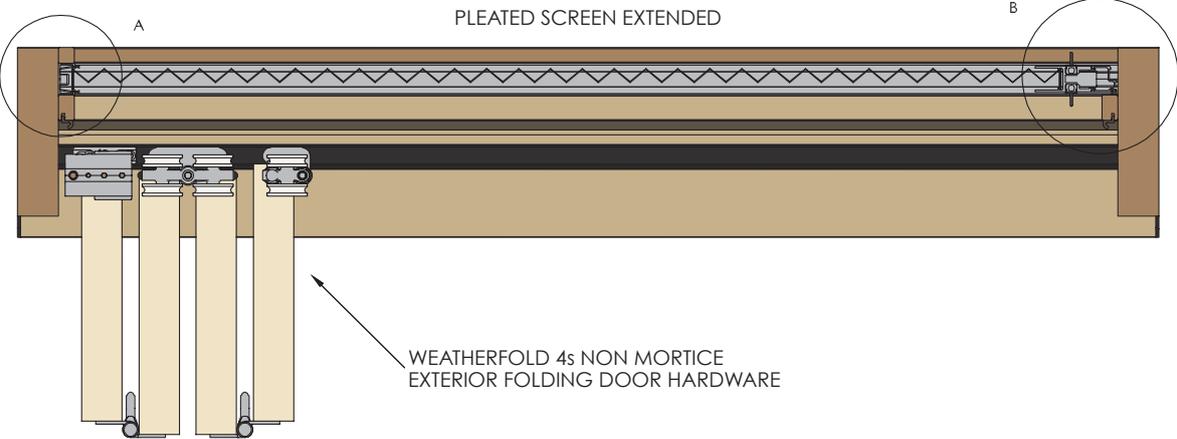
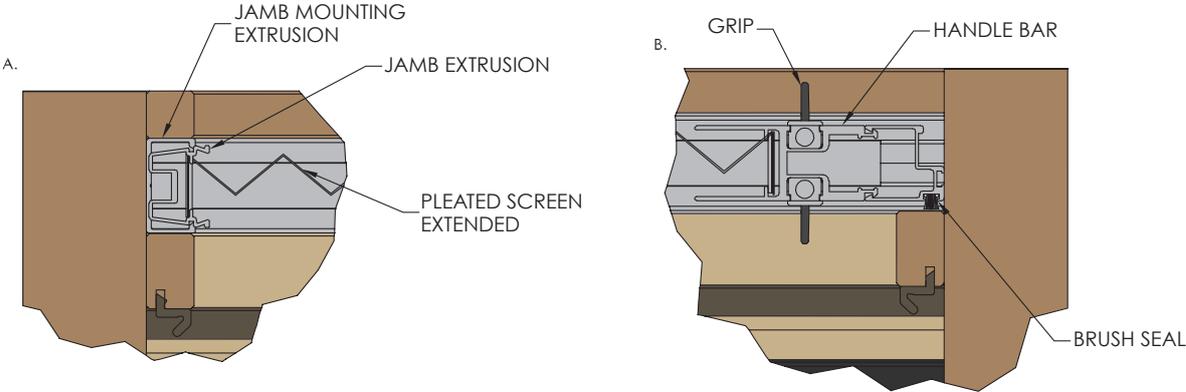
End View – Non Mortise Hinges

BRIO WEATHERFOLD 4s 150

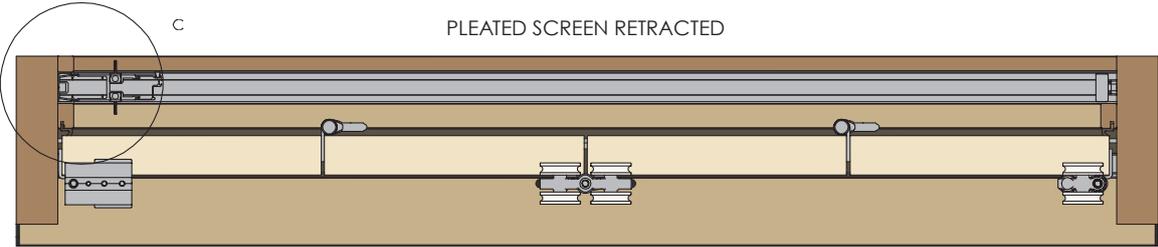


612 Integrated Retractable Pleated Insect Screen

Top View – Brio Weatherfold 4s 50 & 100

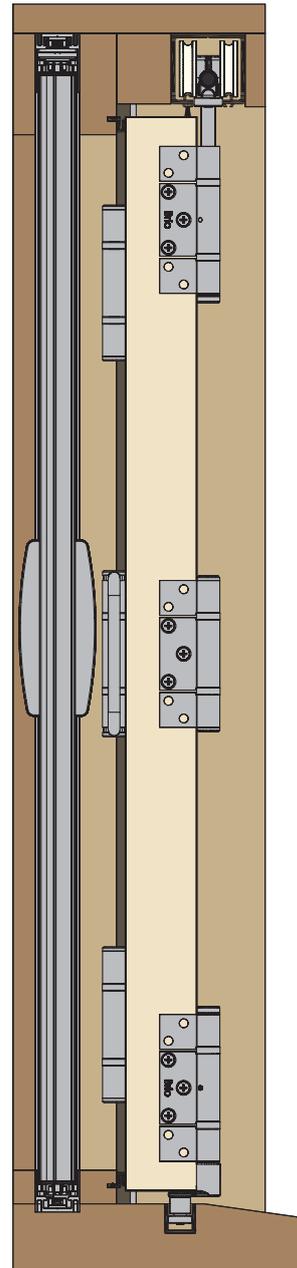
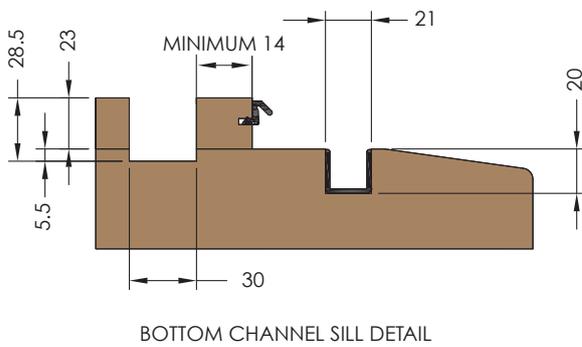
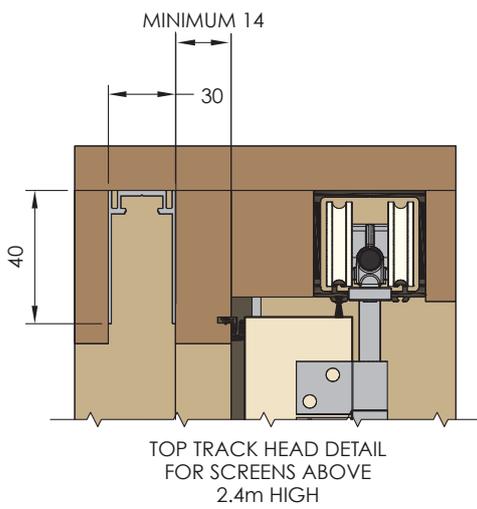
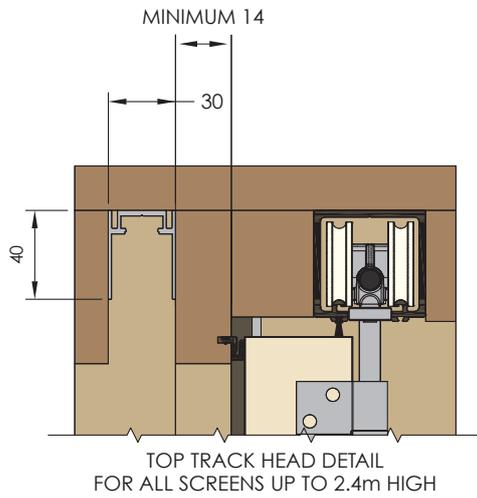


SCREEN WIDTH (mm)	DIMENSION C (OVERALL)
1100	85
1500	95
2000	110
2700	130
3600	155
4500	180

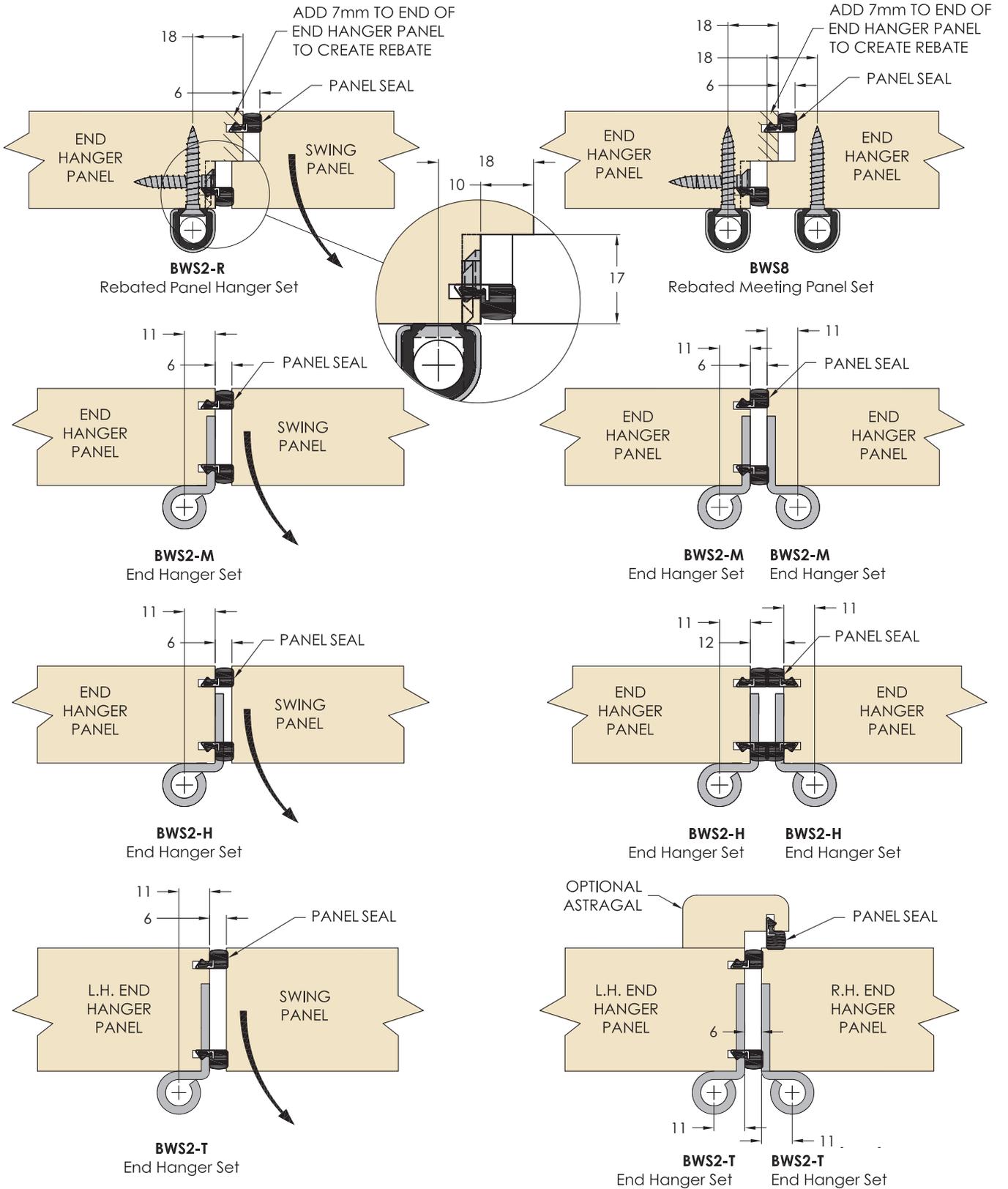


612 Integrated Retractable Pleated Insect Screen

End View – Brio Weatherfold 4s 50 & 100

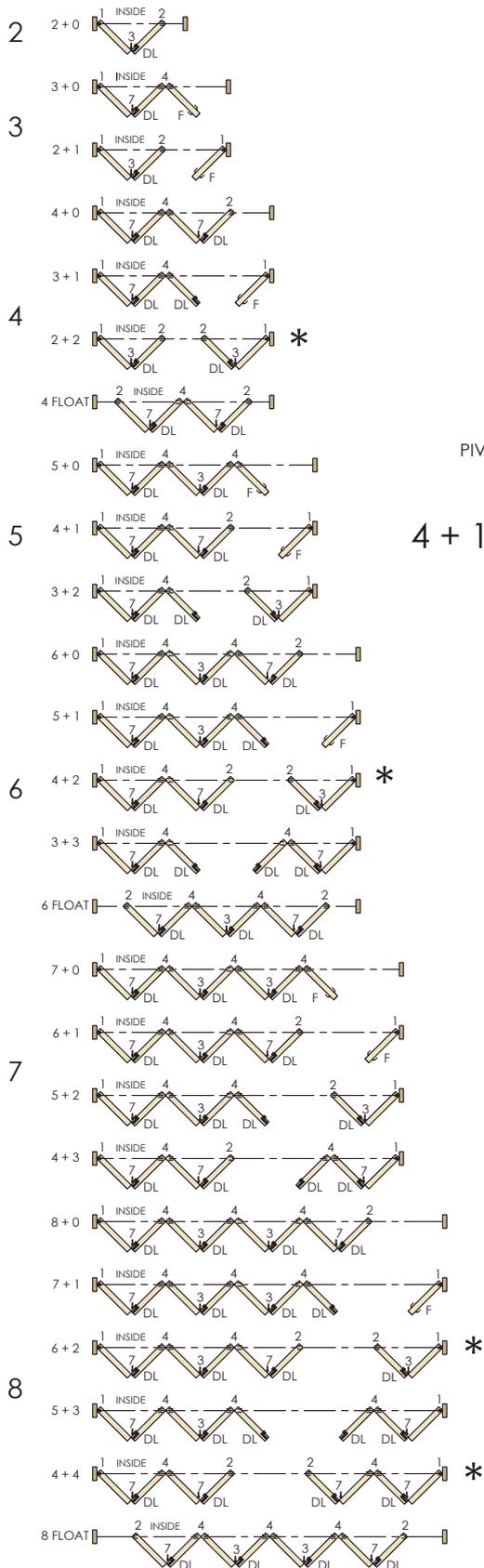


Meeting Panel Configurations



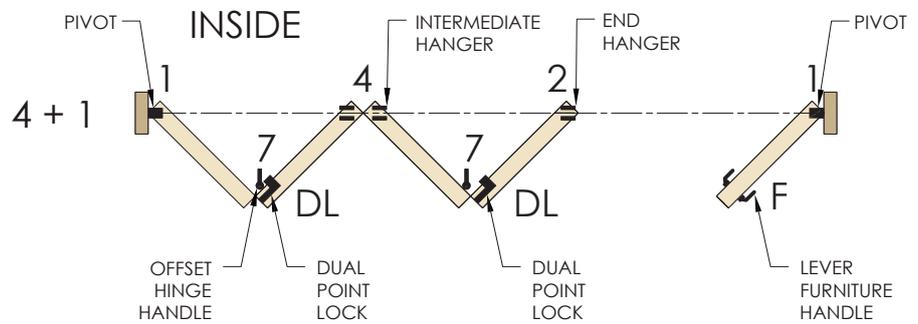
Panel Configuration and Hardware Location

Outward opening panels



HARDWARE LEGEND		
SYMBOL	REF.	DESCRIPTION
■	1	Adjustable pivot set
▬	2	End hanger set with guide
●	3	Hinge set with hinge handle
▬▬	4	Intermediate hanger set with guide
●	5	Hinge set
●	6	Offset hinge set
●	7	Offset hinge set with hinge handle
DL	DL	286 Dual Point lock
F	F	288 Lever Furniture handle set

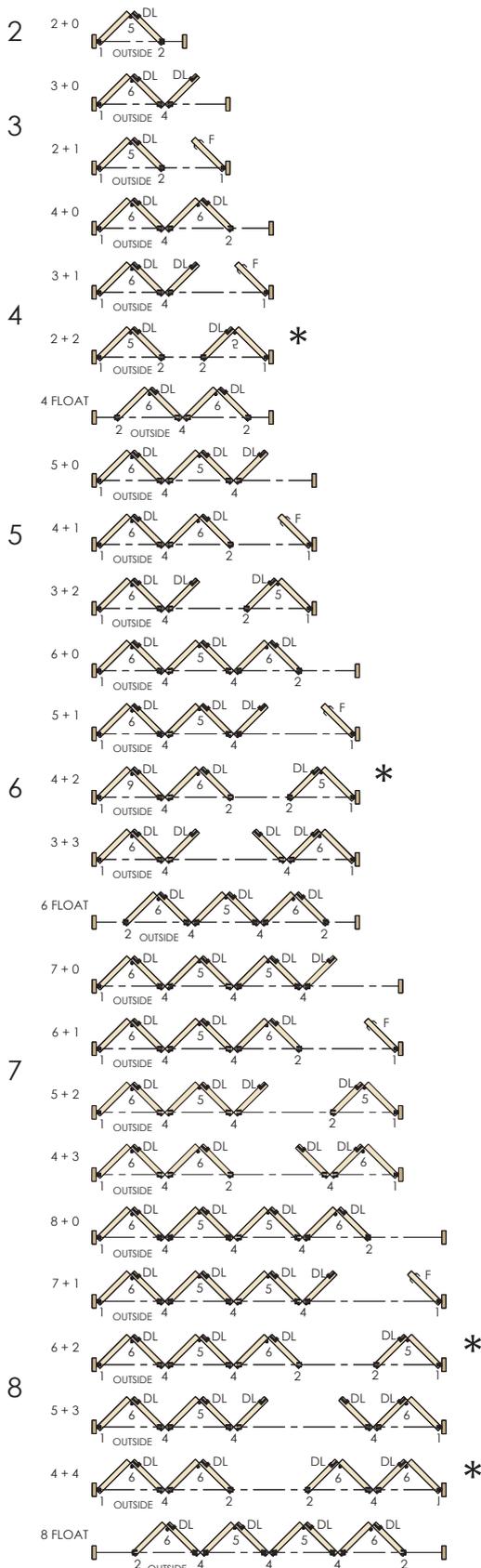
The reference number is an abbreviation of the full set number



* Two Set 2s mounted left and right are replaced with a single Set 8 if panels are rebated.

Panel Configuration and Hardware Location

Inward opening panels



Brio flush bolts and flush pulls can be used where 286 dual point locks, DL are indicated.

Flush Bolts are fitted in pairs, one lower and one upper. Upper flush bolts are supplied in different lengths depending on panel height, see table below:

Panel Height	Upper Flush Bolt Length
Panels up to 2100	190
2100 to 2400	450
2400 to 2600	600
Above 2600	1000

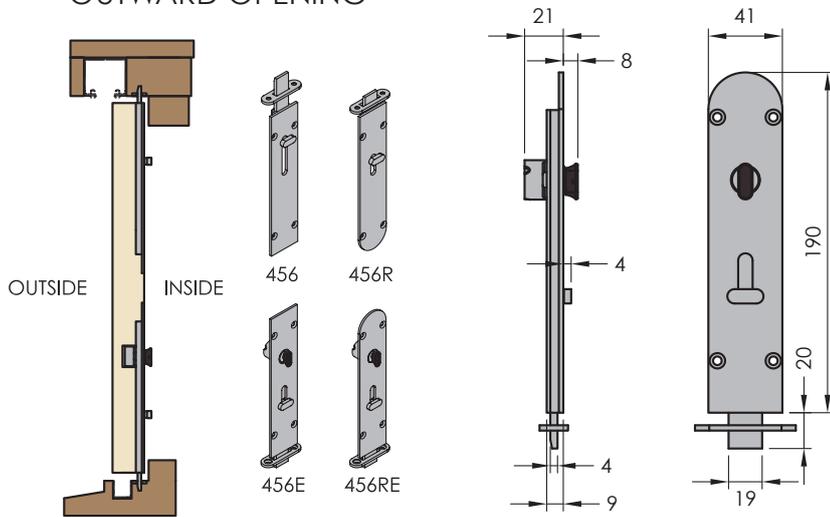
'N' type (cranked) flush bolts are used for inward opening panels and are also available in longer lengths for taller panels.

* Two Set 2s mounted left and right are replaced with a single Set 8 if panels are rebated.

Flush Bolts

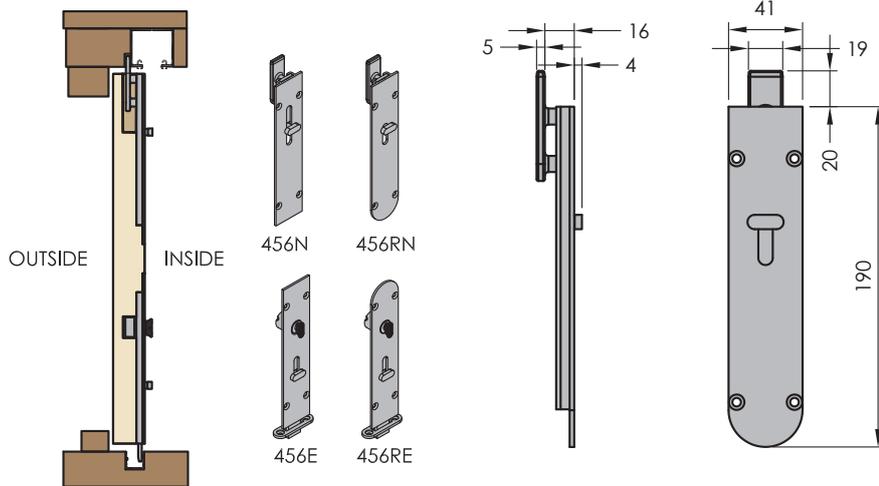
Timber Panels

OUTWARD OPENING

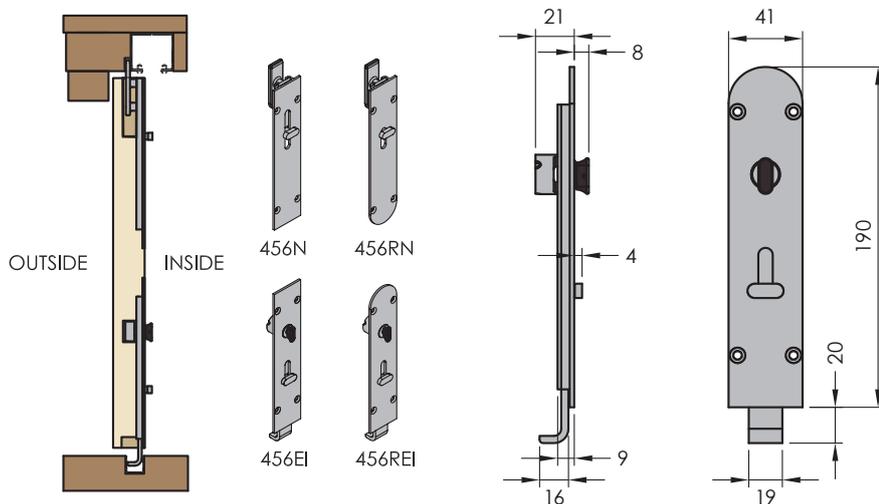


INWARD OPENING

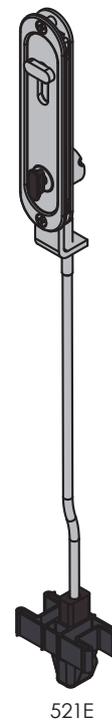
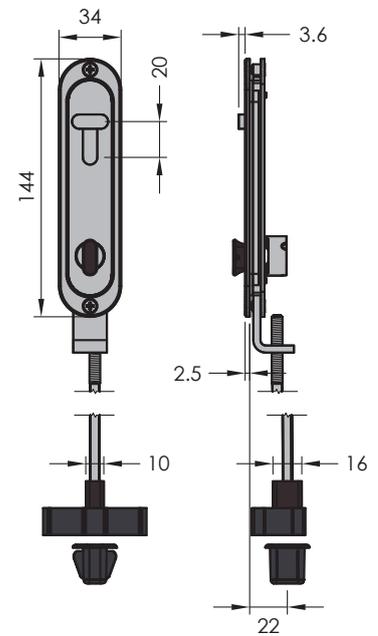
456N Flush Bolts for timber panels closing against a rebate.



456REI Flush Bolts for flush floor timber panels.



Aluminium Panels



Specifications

	Weatherfold 4s 50	Weatherfold 4s 100	Weatherfold 4s 150
Maximum panel weight	50kg	100kg	150kg
Maximum panel height	3m	3.3m	4m
Maximum panel width	1m	1m	1.2m
Maximum number of panels	16 (8 left and 8 right)	16 (8 left and 8 right)	16 (8 left and 8 right)
Maximum opening width	16m	16m	19.2m
Panel thickness Non mortice Mortice (square corner)	35 to 68mm 35 to 68mm	35 to 68mm 35 to 68mm	44 to 68mm
Hardware finishes	SS – Satin Stainless, PB – PVD Brass, PS – Polished Stainless,	SS – Satin Stainless, PB – PVD Brass, PS – Polished Stainless,	SS – Satin Stainless,
Hanger bearing options	Stainless Steel or Chrome precision bearings	Stainless Steel or Chrome precision bearings	Stainless Steel precision bearings
Track profile	180 Series	250 Series	700 Series
Locking options Dual point lock Flush bolts (timber) Flush bolts (aluminium)	286 Series 456 Series 512 Series	286 Series 456 Series 512 Series	456 Series
Self draining sills for 286 dual point lock for 456 ush bolt	94HS Series 95HS Series	94HS Series 95HS Series	
Screening	612 Retractable Insect Screen	612 Retractable Insect Screen	612 Retractable Insect Screen

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in the field of safety and security. We keep people and their property safe, wherever they are, bringing together simple solutions and advanced technology. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.brio.com.au



Brio®



Brio® where ideas unfold

Brio® Weatherfold 4^S Window & Seryery
Exterior folding window hardware systems for sashes up to 35kg

Brio® where ideas unfold

Watch your adventurous architectural ideas unfold into exciting reality with the Brio range of sliding and folding door hardware.

Brio is passionate about shaping the spaces in which people live, work and play. With subsidiaries in the UK and USA – Brio is recognised by architects worldwide as a leading design and manufacturing company.

Brio's R&D department brings a strong design element to the business, developing and testing ground breaking concepts that continue to be at the forefront of the industry.

So it's no surprise our name Brio translates to Energy, Spirit and Vitality – the core values that drive us to always discover new solutions for our customers.

We are committed to the continuous improvement of quality. That is why Brio, located in Sydney, is certified to Quality Management System AS/NZS ISO 9001:2008.

Brio, part of the Allegion family of brands





Weatherfold 4s Window & Servery **Systems**



Weatherfold 4s Servery 35

The Brio® Weatherfold 4s Servery 35 has been developed specifically to meet the requirements of servery type installations. As no sill or channel is required, the work surface is left completely unobstructed from one side to the other making this an ideal solution for kitchen serveries that open out to exterior dining areas.

Max Sash weight: 35kg
Max Sash height: 1800mm
Max Sash width: 650mm
Min Sash thickness: 35mm
Max number: 2 each way
Max opening: 2600mm
Hinge type: Non mortice

Materials

Hanger: Nickel Plated Zinc Alloy
Guides: 304SS
Bolts: 304SS
Hinges: 304SS
Finishes: Stainless Steel (SS), Polished Stainless (PS)

Weatherfold 4s Window 35

Brio® Weatherfold 4s Window 35 is designed for exterior folding windows in residential or light commercial applications with up to six panels folding in one direction. Each window sash can be up to 1000mm wide and weigh 35kg, comfortably accommodating a span of 12 metres. This is made possible by the new recessed bottom guide system. The guide system not only provides stability for folding up to 12 window sashes, its concealed low profile design and excellent weatherproofing capabilities make it an ideal option for window sills.

Max Sash weight: 35kg
Max Sash height: 1800mm
Max Sash width: 1000mm
Min Sash thickness: 35mm
Max number: 6 each way
Max opening: 12000mm
Hinge type: Non mortice

Max Panel height: 2600mm
Max Panel width: 820mm

Materials

Hanger: Nickel Plated Zinc Alloy
Guides: 304SS
Bolts: 304SS
Hinges: 304SS
Finishes: Stainless Steel (SS), Polished Stainless (PS)



Weatherfold 4s Window & Seryery

Brio® Weatherfold 4s Window 35 and Brio® Weatherfold 4s Seryery 35 utilise the same technology as the Weatherfold 4s door systems, but on a smaller scale. High-speed precision bearings, grooved-wheel hangers and set and forget height adjustment locking.

The compact structural aluminium 120 track profile serves to reduce the risk of contamination as debris is less likely to accumulate on the raised rails. The 120 track is available in either Mill or 25 micron clear anodised aluminium for improved corrosion resistance.

Tested for durability, Brio® Weatherfold 4s Window & Seryery systems comfortably exceeded 100,000 cycles.



Application

The Weatherfold 4s Window 35's and Seryery 35's clean lines, smooth operation and flexible functionality, makes the systems suitable for many applications with a wide range of configurations. The Weatherfold 4s 35 family is most suited for applications that include kitchen servery, living areas, bedrooms, cafes, hotels, bars and restaurants or where an architectural feature is desired.

Sash sizing

The innovative hinge and pivot system from Brio® enables the use of equal sized sashes regardless of the window configuration ensuring a uniform look and greater manufacturing efficiency is achieved.

Weathersealing

Combined with proprietary seals around the frame and sashes both Weatherfold 4s Window 35 and Weatherfold 4s Seryery 35 can deliver outstanding weatherproofing characteristics.

Sash security

To complete the Window system, a complete range of window flush bolts is available, including the 360 flush bolt for timber and the 512 for aluminium, both available in lockable and non-lockable models.

Installation & adjustment

The system is conveniently supplied in kits which cover a wide range of configurations. Detailed, easy to follow instructions are provided as well as all fixing screws. Both Weatherfold Window 35 and Seryery 35 systems allow easy adjustment onsite for imperfect frame installations.



New guide system

It took many years to perfect a guide system that could meet so many requirements. The guide system had to carry the load of an exceptionally larger sash of 1000mm, a width beyond most servery systems. The guide system had to accommodate variations in height that commonly occur across the opening. Weatherfold 4s Window 35 guide with its double roller design can accommodate such imperfections.

In addition to making the window sill look great, the new bottom guide channel with its low profile concealed design makes the system easy to install and maintain.

New adjustment locking

The 4s 50-100 height adjustment locking without loose parts has been brought to the Weatherfold 4s Servery and Window Systems. The push button locking mechanism is simple to use and fail safe as it automatically locks after adjustment is completed.

Specification

Both systems are suitable for folding timber and aluminium windows with a maximum panel weight of 35kg. CAD detail is available for download from the Brio website or contact Brio® for our free specification service.

Software

Brio® Weatherfold 4s Window 35 and Severy 35 software facilitates simple calculation of the sash sizes for any opening or configuration, and is available as a free download from the Brio website.

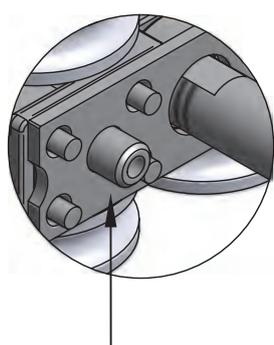
Weather Resistant

Brio® passivates all visual stainless steel surfaces and electro-polishes all cast stainless components. This removes contaminants and greatly reduces or eliminates surface rust often referred to as 'tea-staining'.

Tea-staining is the visually brown discolouration of the surface of stainless steels that is a relatively common occurrence in coastal and marine environments or when in contact with water containing significant chlorides. Higher temperatures, humidity, wind and salt deposits from intermittent sea spray are all contributing factors to this staining that generally becomes progressively worse closer to the coast. Aesthetically unpleasant, tea-staining does not affect the structural integrity, or longevity of the material. Rough grained surface finishes tend to promote tea-staining, the smoother the finish the better. Smooth polished finishes do not have grains or crevices where chlorides and other contaminants can collect. For this reason Brio® strongly recommends on coastal or marine applications within 5 kilometres of the coastline or high chloride environments, Polished stainless steel or PVD Brass hardware be installed.

Care & maintenance

To help prevent tea-staining, Brio® recommends to wash regularly, even smooth stainless steel finishes in coastal environments may show signs of tea-staining if not washed regularly. Sheltered area's that are not rain washed are particularly susceptible. As a guide, if a window or door requires washing then wash the hardware. Wash with soap or mild detergent and warm water followed by rinsing with clean cold water and wipe dry.



PUSH BUTTON RELEASE

NO LOOSE PARTS.
CONCEALED WITHIN
THE TRACK.

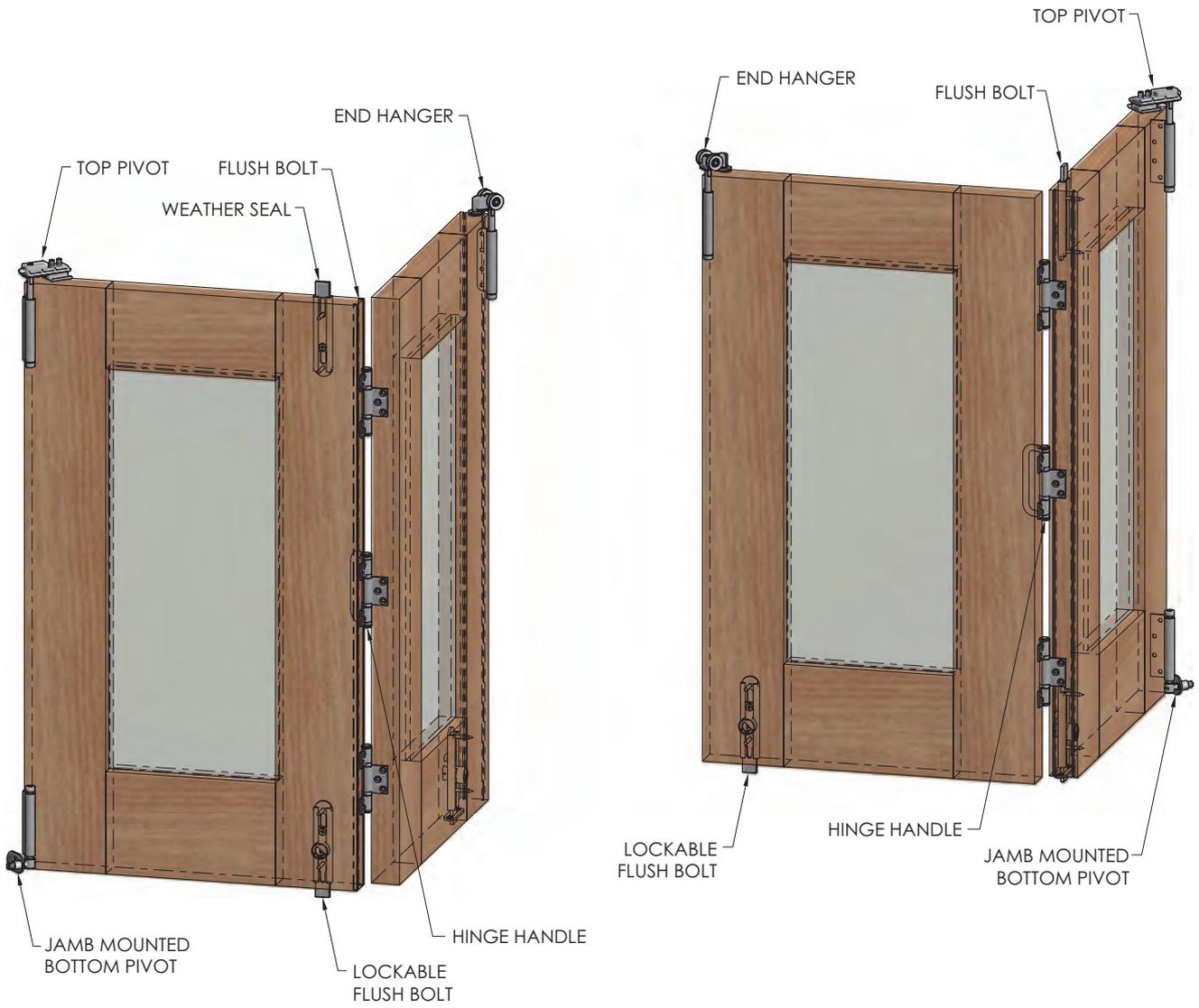
HIGH PERFORMANCE WHEELS

SPRING LOADED
LOCKING MECHANISM
AUTOMATICALLY LOCKS
OFF BOLT MAKING
THE ASSEMBLY SECURE

EASY VERTICAL ADJUSTMENT
CAN BE MADE DURING INSTALLATION

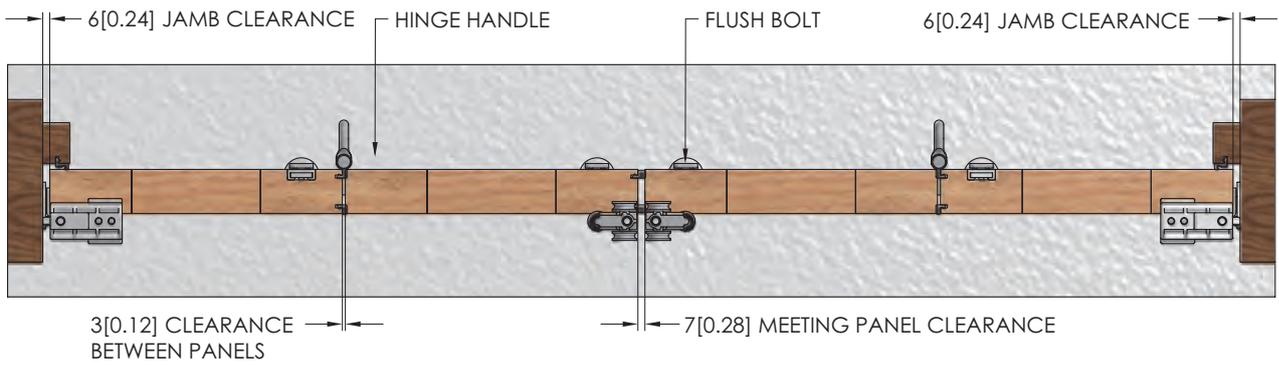
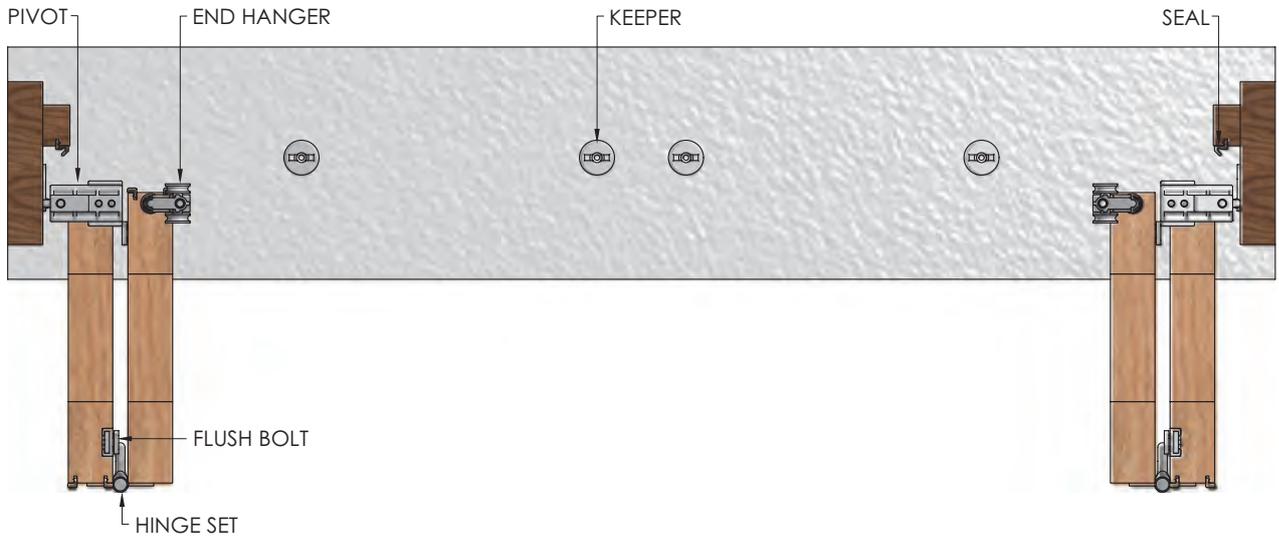
Weatherfold 4s Servery 35

Hardware Layout



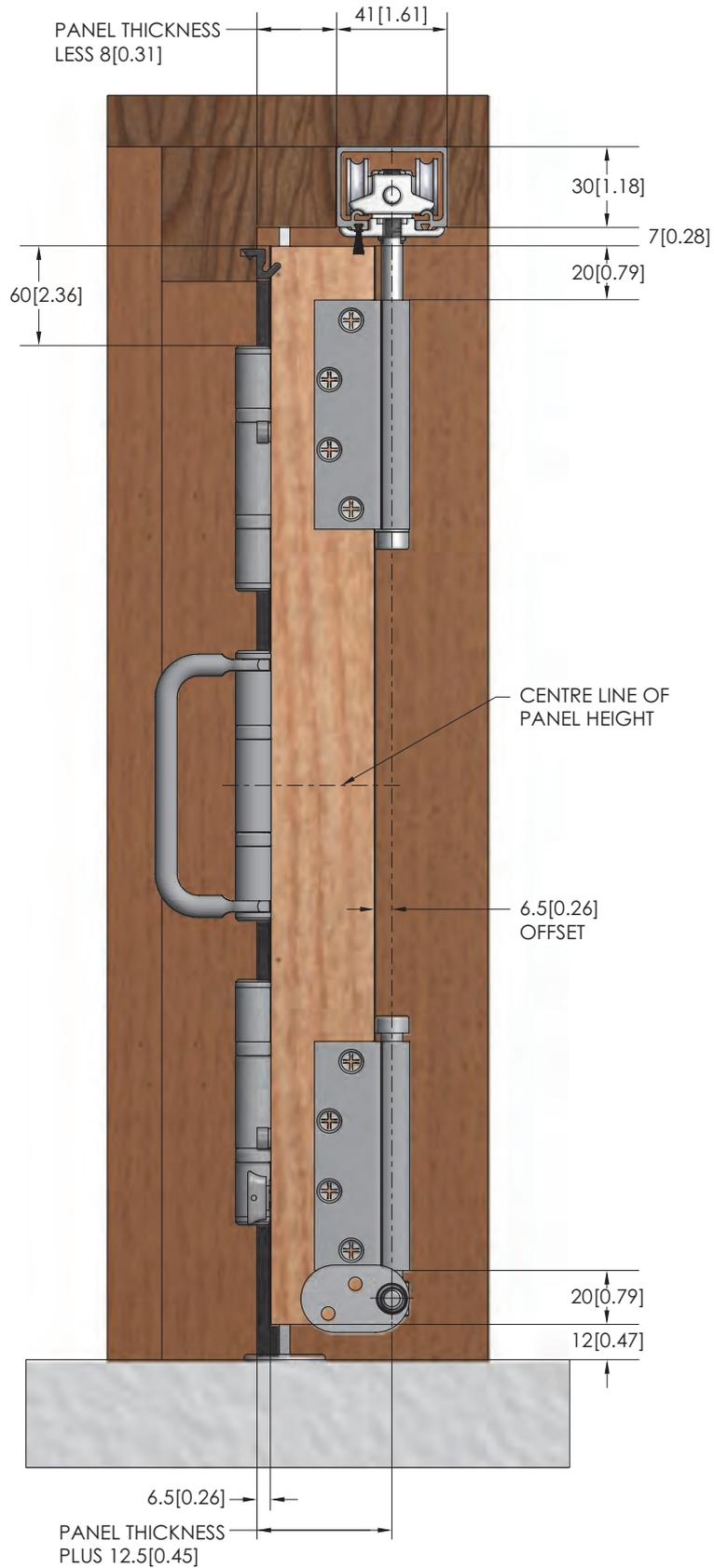
Weatherfold 4s Servery 35

Top and Front Views



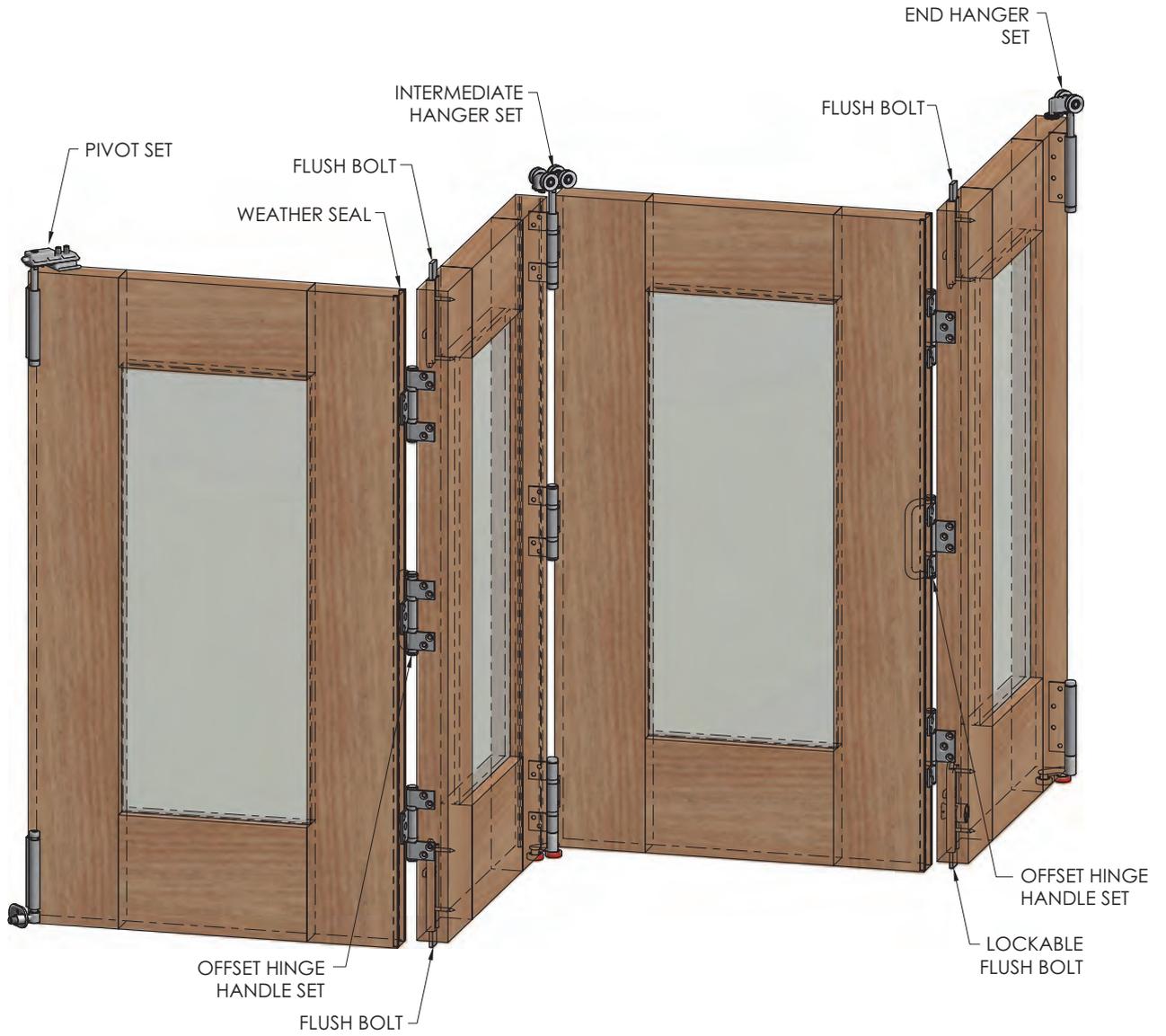
Weatherfold 4s Servery 35

End View



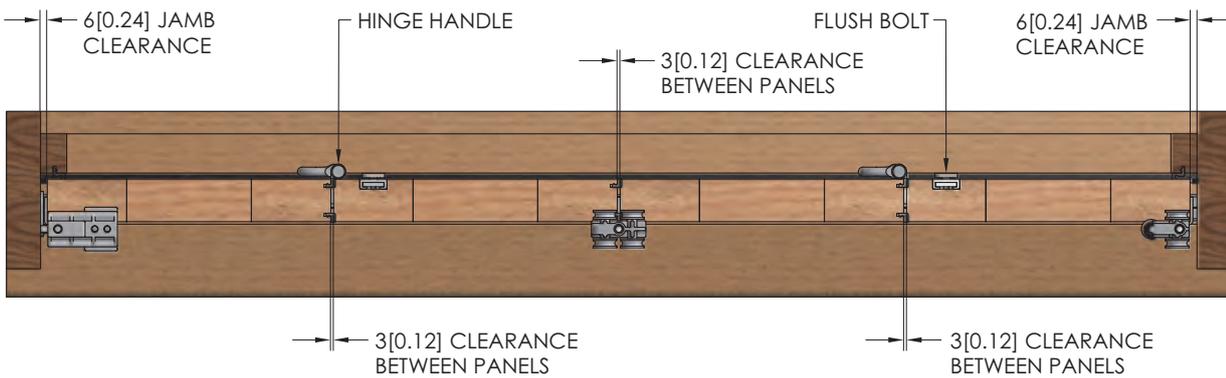
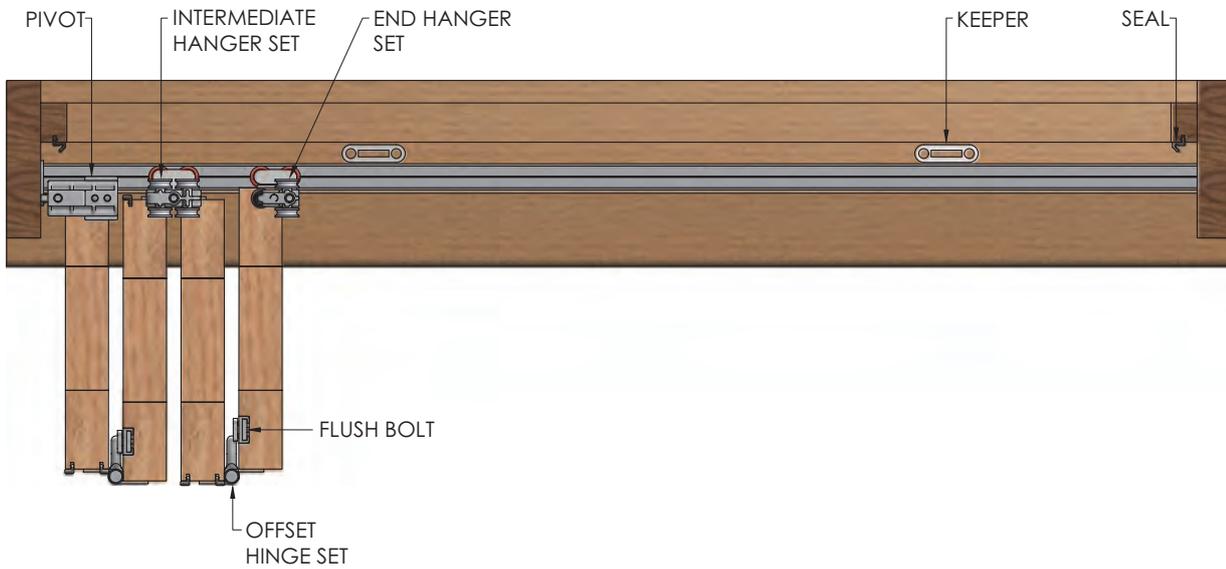
Weatherfold 4s Window 35

Hardware Layout



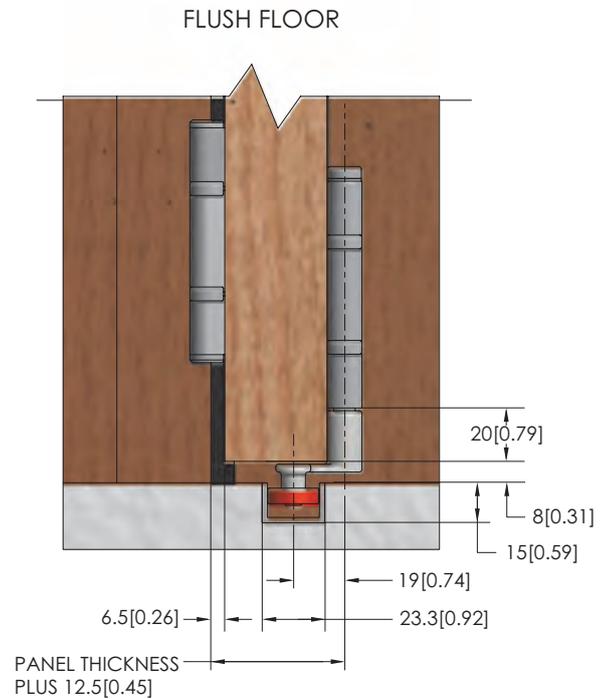
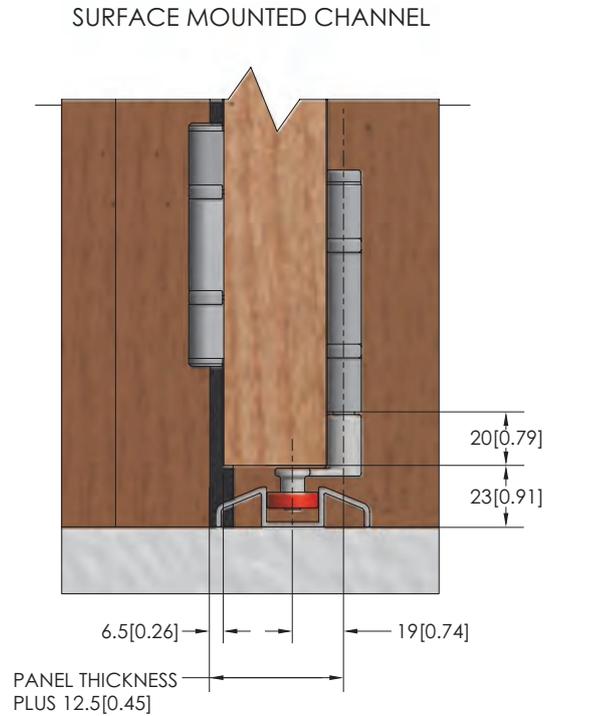
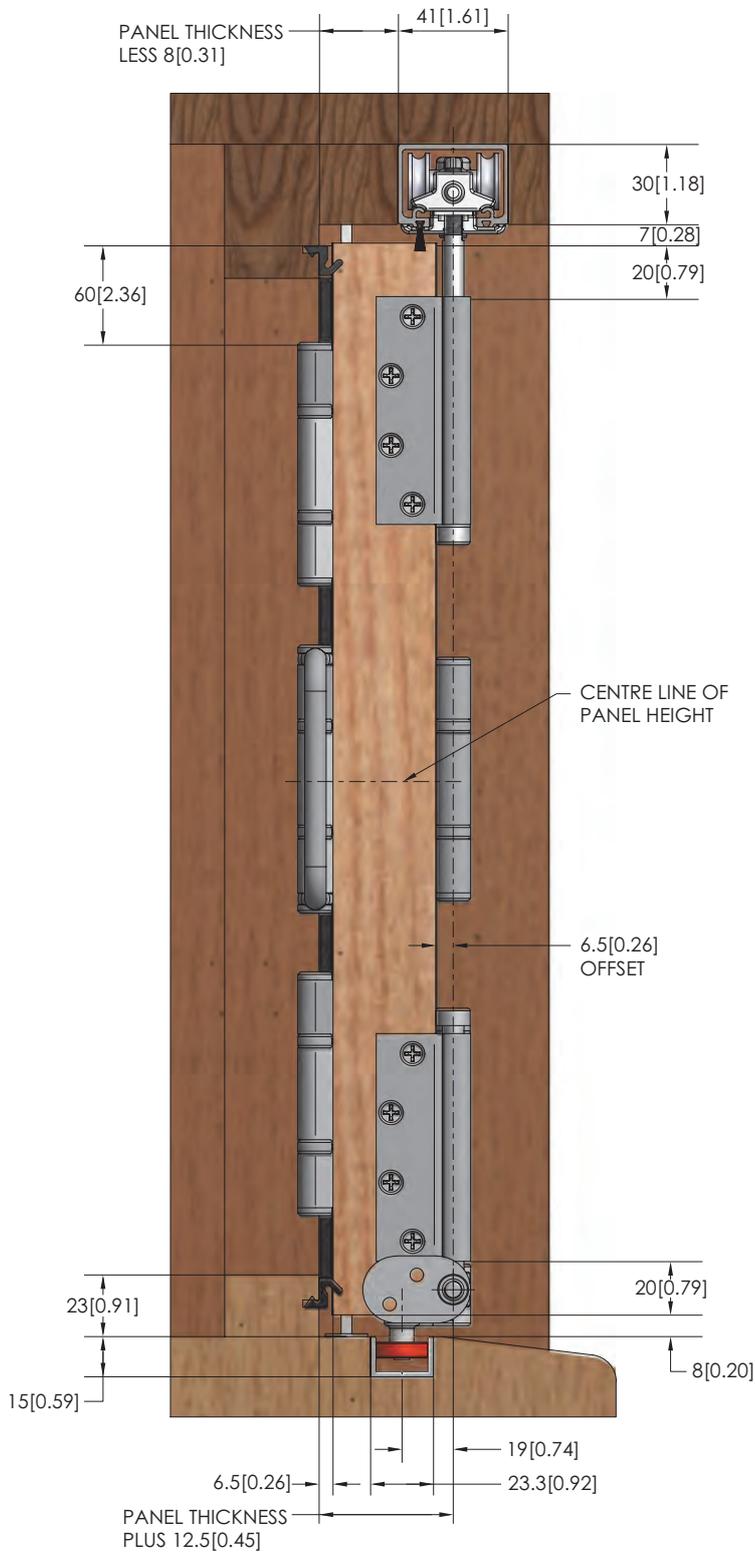
Weatherfold 4s Window 35

Top and Front Views



Weatherfold 4s Window 35

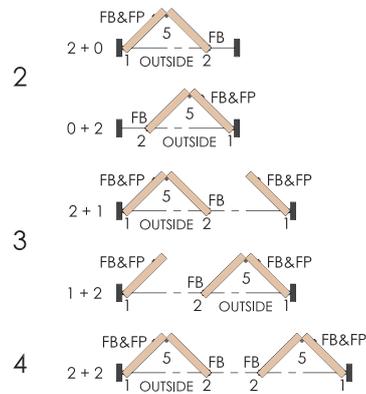
End View



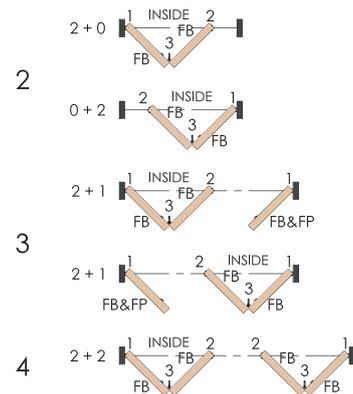
Weatherfold 4s Servery 35

Sash Configuration and Hardware Location

Inward Opening Windows



Outward Opening Windows



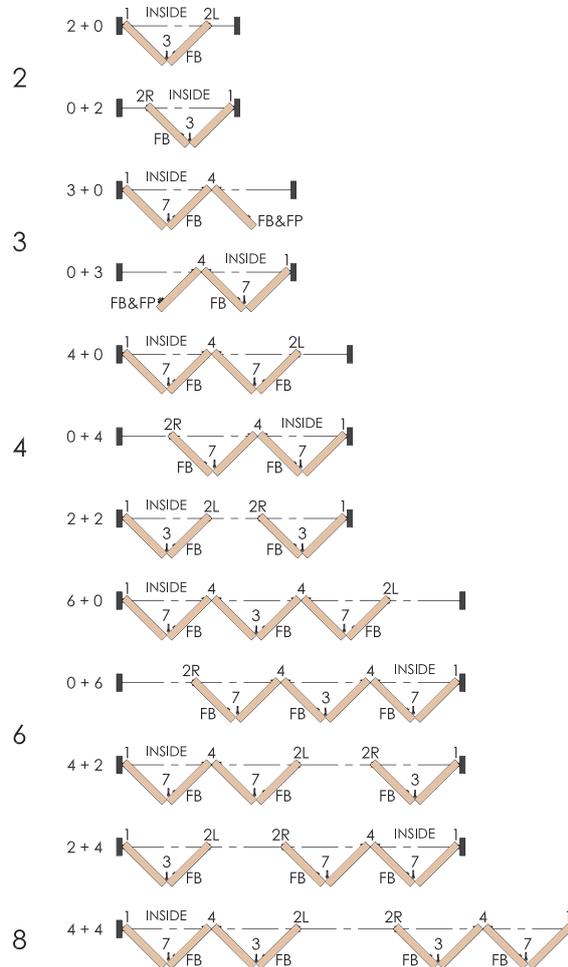
HARDWARE LEGEND		
SYMBOL	REF.	DESCRIPTION
	1	Adjustable pivot kit
	2	End hanger kit without guide
	3	Hinge kit with hinge handle
	4	Intermediate hanger kit without guide
	5	Hinge kit - Inward opening
	6	Offset hinge kit - Inward opening
	7	Offset hinge kit with hinge handle
	FB	Flush bolt - 360
	FP	Flush pull - 401
	FB & FP	Flush bolt and flush pull

The reference number is an abbreviation of the full kit number.

Weatherfold 4s Window 35

Sash Configuration and Hardware Location

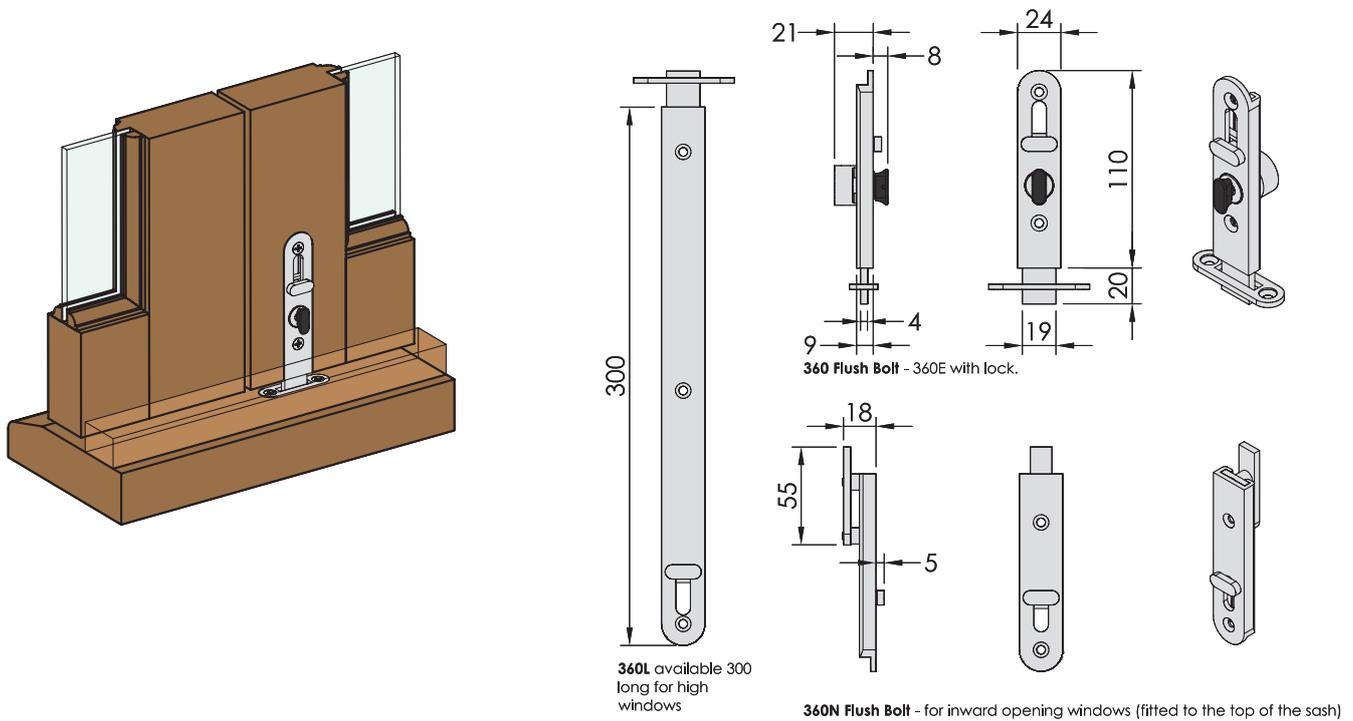
Outward Opening Windows



HARDWARE LEGEND		
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	1	Adjustable pivot kit
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	7	Offset hinge kit with hinge handle
	FB	Flush bolt - 360
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	FB & FP	Flush bolt and flush pull

The reference number is an abbreviation of the full kit number.

360 and 360E Flush Bolts



Flush Bolts

These are an aid in obtaining an even perimeter seal pressure as well as extra security for the window. Available with round end in the same finishes as the hinges.

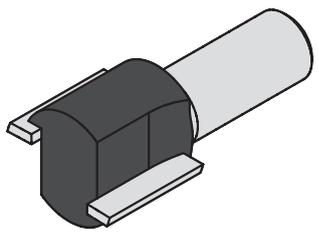
Upper Flush Bolts

Fitted to each pair of sashes. They are also available in a longer length for high set windows.

Sash Height	Upper Flush Bolt Length
$2100 < 'H' < 2400$	300
$'H' \leq 2100$	110

Lower Flush Bolts

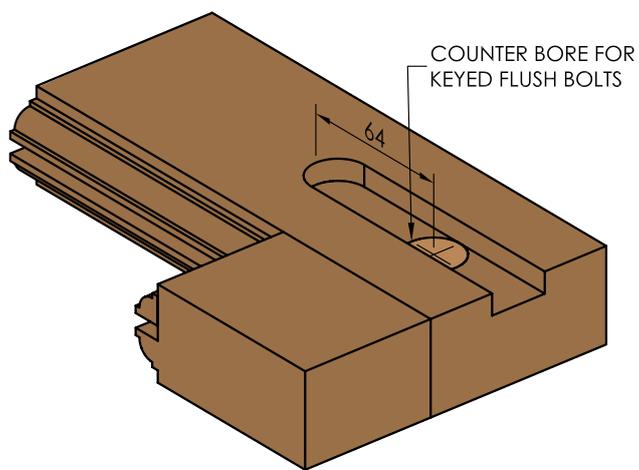
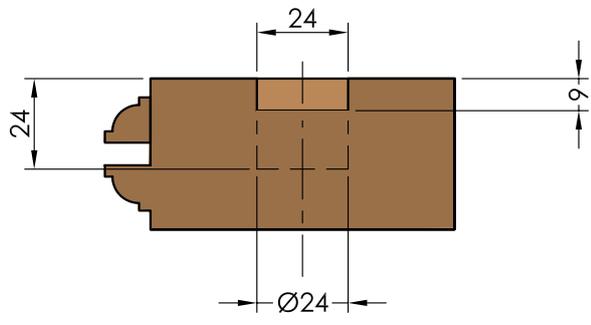
Fitted to each pair of sashes, at least one 'E' type (Lockable) flush bolt is usually fitted to the bottom of each set of sashes closest to the opening.



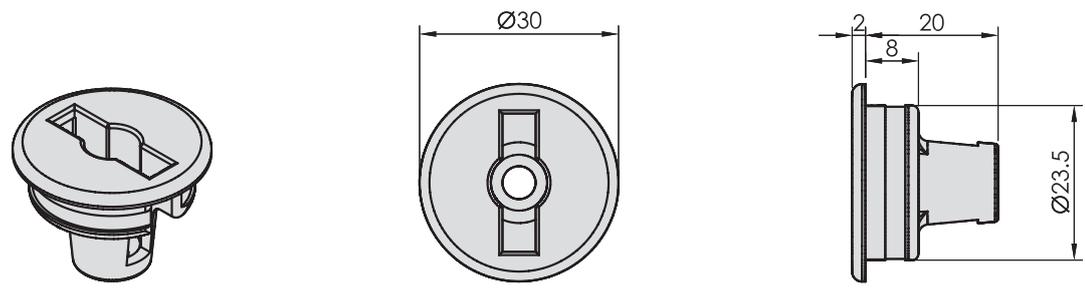
360 Router Bit - For timber windows

INSTALLATION

- 1. Cut slot with router bit.
- 2. Cut counter bore if keyed type.
- 3. Fit flush bolt to sash.
- 4. Fit keeper plate.



360RKSS Masonry Keeper



360RKSS Masonry Keeper - Cast 316 Stainless Steel - in Satin or Polished Stainless.
For Windows Servery applications closing on Stone Kitchen Bench Tops.



Specifications

	Window 35 with Guide System	Servery 35 without Guide System
Max Sash weight	35kg	35kg
Max Sash height	1800mm	1800mm
Max Sash width	1000mm	650mm
Max Panel height	2600mm	–
Max Panel width	820mm	–
Min Sash thickness	35mm	35mm
Max number of sash	6 each way	2 each way
Max opening	12000mm	2600mm
Track	120	120
Standard sizes	2000, 3000, 4000, & 6000mm Aluminium, Mill or 25 microns clear anodised	
Bottom Guide channel	96W	No channel required
Standard sizes	2000, 3000, 4000, & 6000mm Aluminium, 25 microns clear anodised Precision	
Hangers	ground stainless steel bearing wheels with nylon tyres are standard. Hanger bodies are nickel plated alloy.	
Pivots	Nickel plated alloy	
Guides	304 cast stainless steel	
Bolts	304 stainless steel	
Hinge type	Non mortice 2.5mm thick architectural grade stainless steel for durability with 2 bearings per hinge for smooth operation.	
Finishes	Stainless Steel (SS), Polished Stainless (PS)	
Security Flush bolts	Outward opening Bottom Locking – 360E Top Non Locking – 360, 360L	Outward opening Bottom Locking – 360E Top Non Locking – 360, 360L
		Inward opening Bottom Locking – 360E Top Non Locking – 360N
Testing Endurance	100,000 Cycles	100,000 Cycles
Weatherseals	PS13B track seal, AQ21 frame seal, AQ48 window sash seal	PS13B track seal, AQ21 frame seal, AQ48 window sash seal.
Accessories	Router 360	Router 360 360RKSS
Applications	Residential houses and apartments, Commercial – Café, restaurants, hotel, bars	Residential and commercial kitchen serveries

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in the field of safety and security. We keep people and their property safe, wherever they are, bringing together simple solutions and advanced technology. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.brio.com.au

