



Brio[®]

EXTERIOR BIFOLD SYSTEMS

For panels up to 150kg



Brio stands for high-quality, sliding and folding door hardware which is expertly designed, assembled and tested, in Australia. Our products breathe light into buildings by bringing the outdoors in, opening up spaces and creating havens.

We have a passion for turning design ideas into functional solutions, whether connecting living spaces with beautiful vistas or providing flexible work areas for classrooms and offices.

As part of the Allegion family of brands, Brio has local expertise backed by global resources which is why Brio is a leader in door hardware solutions. It is why we are the trusted choice time after time.



Exterior bifold solutions

Bifolding doors are a cornerstone of architectural design because they offer seamless transition between indoor and outdoor areas. These versatile doors can redefine the dynamics of a home by integrating patios, gardens, and balconies into key parts of the living space. In commercial settings, they are ideal for restaurants, cafes, and large venues, where the ability to combine indoor and outdoor environments can enhance customer experience and increase capacity.

Engineered to support heavier and larger glazed panels, bifolding doors provide full openings that traditional sliding or French doors cannot match. Their robust construction ensures durability and security, as well as excellent weather sealing from the elements making them a practical choice which provides the luxury of opening entire glazed walls.

This unique blend of functionality and aesthetic appeal makes bifold doors a compelling investment. They offer panoramic views, keep areas bright and open, and ensure a fluid transition between interior and exterior spaces.

Brio is an expert in bifolding systems and provides flexible solutions which stand the test of time due to expert engineering and thoughtful use of materials. Brio systems use stainless steel components, with cast components electro-polished and visual surfaces passivated which removes contaminants and protects appearance even in the harshest of environments.

Brio can deliver exterior folding solutions for every application:

- Kitchen to alfresco serveries
- Living room to patio bifolds
- Flexible commercial facades
- Privacy and shade screening

Weatherfold Window 35

Bifolding windows and serveries are popular choices for enhancing indoor-outdoor connectivity.

Weatherfold Window 35 is ideal for residential applications where wide openings are desired for uninterrupted views. Up to six panels can fold in each direction creating a panoramic view 12m wide. The recessed bottom guide, discreet channel system and low-profile track make it ideal to conceal in standard size frames while providing excellent weather proofing.

Weatherfold Servery 35 and 50

Weatherfold Servery 35 is suited for kitchens which connect with alfresco dining spaces – the channel free system provides an uninterrupted benchtop meaning you can easily slide out the next delicacy for the BBQ.



Servery made by Windoor Joinery

Brio’s Weatherfold 4s 50F has been designed for commercial applications with high traffic serving zones like takeaway restaurants or cafes.

Engineered with premium materials and large bearings, Weatherfold 4s 50F operates with fingertip control on openings as large as 2.6m high and 3.3m wide, easily connecting customers with indoor amenities and outdoor dining.

Specifications

Max sash weight:	35kg
Max sash height:	2600mm
Max sash width:	1000mm
Min sash thickness:	35mm
Max number:	6 each way
Materials:	
Hanger	Nickel plated alloy
Track and channel	Alum, 25µm anod
Guides, bolts and hinges	304 stainless steel
Finishes	Satin stainless

Max sash height:	1800mm
Max sash width:	650mm
Max number:	2 each way
Materials:	
Hanger	Nickel plated alloy
Track	Alum, 25µm anod
Bolts and hinges	304 stainless steel
Finishes	Satin stainless

Max sash weight:	50kg
Max sash height:	2600mm
Max sash width:	820mm
Max number:	4 each way
Materials:	
Hanger	316 stainless steel
Track and channel	Alum, 25µm anod
Bolts and hinges	304 stainless steel
Finishes	Satin stainless



Screening and Locking

All systems are compatible with Brio’s 360 and 456 flush bolts as well as the premium, 312 automated pleated insect screen.

Engineered for smooth operation and enhanced functionality, Brio’s 312 screen offers uninterrupted airflow, clear views, and reliable insect protection. Completely battery-operated, the screen eliminates the need for awkward to control chains and hard wiring as it easily recharges via a mini USB port. A remote control allows operation of up to five individual screens at the touch of a button making it the perfect addition to any indoor-outdoor living area.

Optional Accessories

Flush bolt:	
35kg, timber panels	360SN (non-locking) 360ESN-1 (locking)
50kg, timber panels	456RSN (non-locking) 456RESN-1 (locking) Longer lengths available
312 automated screen:	
1200mm H x 1000mm W	RSWA-12-10BK (min size)
1800mm H x 2600mm W	RSWA-18-26BK (max size) Other sizes available



Doors made by Windoor Joinery, photography by Luke Butterly Photography

Weatherfold 4s 50 & 100

Bifolding doors are a statement piece, especially when paired with a premium finish like PVD Black. PVD (Physical Vapor Deposition) provides a durable and elegant finish that resists wear and tarnishing, ensuring doors maintain their sleek appearance over time.

Weatherfold 4s 50 & 100 not only offers this premium finish but also integrates seamlessly with Brio’s 612 pleated insect screen and Brio’s 286 dual point locking which can provide ultimate security with a single turn.

The combination of premium finishes, and advanced accessories, provides a versatile solution for contemporary homes seeking internal and external connectivity.

Weatherfold 4s 150

Grand entrances play a vital role in setting the scene, they can create a striking first impression that makes a venue feel inviting and memorable. From luxurious hotels to entertainment destinations, large entrances enhance functionality and elevate architectural design.

Such venues also need to think about protection against the elements like tropical storms, meaning doors and frames are designed with robust and heavy materials. Brio’s expertly engineered Weatherfold 4s 150 can make light work of even the heaviest of doors and with capacity to span openings 19m wide, and 4m tall, it can transform entrances into focal points, blending design with function.

Specifications

Max panel weight:	50 or 100kg
Max panel height:	3000 or 3300mm
Max panel width:	1000mm
Panel thickness:	35-68mm
Max number:	8 each way
Materials:	
Hanger	316 stainless steel
Track and channel	Alum, 25µm anod
Guides, bolts and hinges	304 stainless steel
Finishes	Satin stainless, PVD brass and PVD black

Max panel weight:	150kg
Max panel height:	4000mm
Max panel width:	1200mm
Panel thickness:	44-68mm
Max number:	8 each way
Materials:	
Hanger	316 stainless steel
Track and channel	Alum, 25µm anod
Guides, bolts and hinges	304 stainless steel
Finishes	Satin stainless

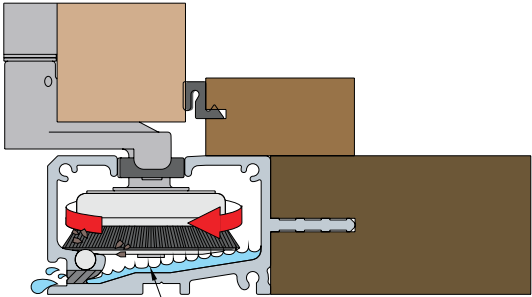
For screen and locking accessories see page 8



Weatherfold 5c 80

Replacing sliding stackers with bifold doors is simple with Brio's Weatherfold 5c system, which eliminates the need for a structural lintel overhead. Its bottom-rolling design carries panel weight on durable rollers, which have in-built cleaning technology to keep the rolling surface free from debris. This innovative system offers wide openings where top hung systems can not.

Its advanced, puck design is concealed within a low-profile, self-draining sill which accommodates Brio's 612 Insect Screen and 286 bifold locking. Engineered for ease, Weatherfold 5c is suitable for timber and aluminum panels and can follow contours of the sill perfectly due to the hardware's ability to self adjust to the opening.



Sump area for debris and water

Specifications

Max panel weight:	80kg
Max panel height:	3300mm
Max panel width:	1000mm
Panel thickness:	38-68mm
Max number:	8 each way

Materials:	
Roller	316 stainless steel
Track and channel	Alum, 25µm anod
Guides, bolts and hinges	304 stainless steel
Finishes	Satin stainless, PVD brass and PVD black

Optional Accessories 4s and 5c

286 dual point locking:	
Timber panel kit (lock body, handle, rods)	286N3-25NSS (35mm backset, non locking)
Alum panel kit (lock body, handle, rods)	286N-25DSS (flexible backset, locking)

Other options available, also sold individually

612 insect screen:	
3200mm H x 4500mm W	
Black PC screen	RSDL32-45PBK
Black PC frame	KIT-12-TPBK)

Other sizes and colours available



Designed by Shaun Lockyer Architects, photography by Brock Beazley Photography

Screenfold 25, Shutterfold 25, and Louvrefold 25

External bifold shutters are a stylish and practical solution for homes and high-rise apartments, offering privacy, shading, and modern aesthetic. When open, they fold neatly to allow maximum, natural light and airflow, while closed shutters provide excellent privacy and protection from harsh sunlight, reducing heat and glare indoors.

Using high performance hardware in these applications is important as systems need to withstand wind loads and ensure failsafe design to protect public areas below.

Brio's Weatherfold ranges are an ideal solution for heavier, larger panels but Brio also has 3 systems for lightweight panels: Screenfold 25 for aluminium screens, Shutterfold 25 for timber shutters, and Louvrefold 25 for aluminium shutters. All systems are ideal solutions for improving comfort and privacy in both urban and suburban environments.

Specifications

Max panel weight:	25kg
Max panel height:	2400mm
Max panel width:	900mm
Panel thickness:	19-35mm
Max number:	6 each way

Materials:	
Roller	316 stainless steel
Track and channel	Alum, 25µm anod
Guides, bolts and hinges	304 stainless steel
Finishes	Satin stainless



Doors made by Nicco Timber Windows & Doors, photography by Steven Woodburn Photography



Doors designed and made by Steel Window Design, architecture by Ben Callery Architects, photography by Tatijana Pitt Photography

Specifications

Application	Environment	System	
Windows	Residential	Window 35	
	Commercial	Weatherfold 4s 50 & 100	
Servery	Residential	Servery 35	
	Commercial	Weatherfold 4s 50F	
Bifold doors	Residential & commercial - no lintel		Weatherfold 5c 80
	Residential & commercial		Weatherfold 4s 50 & 100
	Commerical & industrial		Weatherfold 4s 150
Aluminum screens	Residental & commercial		Screenfold 25
Timber shutters	Residential	Shutterfold 25	
	Commercial	Weatherfold 4s 50 & 100	
Aluminium shutters	Residential	Louvrefold 25	
	Commercial	Weatherfold 4s 50 & 100	

Weatherfold 4s
50 & 100 calculator



For assistance with selecting systems and bill of materials, reach out to your Allegion rep or our Technical Hub

Product codes

Code example : **BWS2-100 SHPR**

 System	 Set number	 Panel weight	 Stainless steel bearing	 Hinge type	 Finish
BWS - Weatherfold 4s BWC - Weatherfold 5c 80	1 - Pivot set, 1F - without channel 2 - End set , 2F - without channel 3 - Intermediate handle hinge set 4 - Intermediate hanger, 4F - without channel 5 - Intermediate hinge set, inward opening 6 - Offset handle hinge set 7 - Offset hinge set, inward opening			H - Surface mount M - Mortice timber F - Face fix	SS - Satin stainless PR - PVD black PB - PVD brass

Our Services

Certified CPD training

As an accredited member of the Australian Institute of Architect's Refuel CPD program, Allegion representatives can provide approved training from electronic locking to sliding and folding hardware.



Australian
Institute of
Architects

**Refuel CPD
Provider**

Accurate and detailed specifications

Allegion prepares thorough and in-depth hardware specifications for the entire project, utilising our industry leading platform Overtur.



OVERTUR™

Technical support hub

The Australian based Technical Support Hub has answers to your most complex questions, with expert advice from specification to installation.

1300 898 596 or techsupport.au@allegion.com

About Allegion™

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions.

For more, visit www.allegion.com.au or www.allegion.co.nz

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