Brio Single Run
Top hung straight sliding architectural systems for panels up to 350kg (770lbs)
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 recognized 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
Single Run 80 and 100

Brio’s Single Run 80 and 100 systems are designed for interior and exterior sliding shutters and doors up to 80 and 100kg (175 and 220lbs) in weight for residential or light commercial applications. These systems are suitable for single panels sliding to one side or two panels bi-parting in a single run of track. Alternatively, panels can slide parallel to each other to suit almost any configuration.

The compact structural aluminum 100 track can be top-fixed through the track or side fixed using the Brio stainless steel face fixed mounting brackets for single or double track runs. The 100 track profile ensures the wheels cannot disengage and serves to reduce the risk of contamination as debris is less likely to accumulate on the raised rails. The track is available in 25 micron clear anodized aluminum for improved corrosion performance.

Single Run 80’s glass reinforced nylon hanger body with stainless steel fixing plate and hanger bolt ensures long life and high corrosion resistance. Single Run 100’s cast alloy hanger body offers improved performance for heavier panels and is also available with stainless steel fixings. Both hangers use 4 wheels with reinforced nylon tires which are available with a choice of chrome or stainless steel high-speed precision bearings. This combined with the unique 100 track profile offers years of silent, smooth operation and superior rolling performance.

The hanger and fixing plate allow simple height adjustment by tightening or loosening the hanger bolt. The hanger plate also features two anti-slip tabs to prevent the door from disengaging from the hanger bolt. A comprehensive range of bottom channels and guides are available to suit a wide range of applications.

Both systems are designed to operate with Brio’s soft close device for panels up to 100kg (220lbs). The neat design allows the device to be housed inside the track ensuring minimum clearances between track and panel are maintained.

The soft close is easy to install and simple to operate as the spring and damper work together to control the panel. The mechanism catches the moving door and reduces its speed before retracting it towards the jamb ensuring a quiet and soft stop every time. This reduction in speed also means little fingers are kept safe from slamming doors.

Max panel weight: 80kg (175lbs)
Max panel height: 3000mm (118 ⅛”)
Min panel thickness: 28mm (1 ⅞”)
Hanger material: Glass reinforced Nylon
Plate material: Mild or stainless steel (bearing dependent)
Application: Interior and exterior sliding wood or aluminum shutters and doors

Max panel weight: 100kg (220lbs)
Max panel height: 3000mm (118 ⅛”)
Min panel thickness: 28mm (1 ⅞”)
Hanger material: Cast alloy, EPD black coated
Plate material: Mild or stainless steel (bearing dependent)
Application: Interior and exterior sliding wood or aluminum shutters and doors
Soft Close 100
Single Run 80 hanger shown

Clip fixed inside track

Hanger, not included in Soft Close accessory

Fixing screw

Soft Close mechanism houses spring & damper
Single Run 120
Single Run 120

The Brio Single Run 120 system is designed for interior and exterior sliding shutters and doors up to 120kg (265lbs) in residential or light commercial applications. It uses 4 nylon tired, chrome or stainless steel high-speed precision bearings for smooth operation. The 120 series’ cast stainless steel hangers make it a durable solution for high traffic applications with impressive corrosion resistance.

There are several dedicated hangers to suit a wide range of applications and door constructions, such as wood, aluminum or MDF. Each hanger has been designed for simple installation and ease of adjustment. A comprehensive range of bottom channels and guides are also available.

The system is suitable for a single panel slid to one side, or two panels bi-parting in a single run of track. The 120 track can be soffit-fixed through the top, or side-fixed using Brio stainless steel face-fixed mounting brackets for single or double track runs.

Our new 120R track is suitable for internal applications for easy integration with ceiling tiles. 120R is available in 15 micron clear anodized aluminum but our 120 track is available in 25 micron clear anodized for improved corrosion performance.

Max panel weight: 120kg (265lbs)
Max panel height: 3000mm (118 1/8”)
Min panel thickness: 19mm (3/4”)
Application: Interior and exterior sliding wood or aluminum shutters and doors
Single Run 180
Designed by MAKE Architecture

Single Run 350
Joinery by Nicco Joinery
Single Run 180

The Brio Single Run 180 is arguably the most versatile of all the Brio straight sliding systems. The 180kg (395lbs) panel capacity can accommodate large panels, for example, an aluminum framed panel 2.5m x 2.5m (98 3/8" x 98 3/8") with 10mm (3/8") thick glass can slide on a single track or parallel to another. Single Run 180 is suited to both internal and external residential, commercial and light industrial applications.

As with all the straight sliding architectural systems the preferred choice of material is stainless steel. Cast marine grade 316 stainless steel is used in the hanger body to minimize joints and screws for the ultimate in strength. Only with cast technology is it possible to form complex shapes and introduce safety features such as anti-slip. Should a locking nut become loose using Brio hardware the panel cannot simply slide off its hanger.

Stainless steel comes as standard for all Brio Single Run Architectural Systems. The only optional upgrade are the bearings. There is a choice of chrome steel bearings or full stainless steel for those more exposed applications.

The 180’s versatility comes into play with hangers to suit heavy wood, aluminum and metal doors with options for corner, top fixing or bolting through angles and box sections. The track can be soffit-fixed through the top, or side-fixed using Brio cast stainless steel face-fixed mounting brackets for single or double track runs.

The 180 track is available in 25 micron clear anodized aluminum for improved corrosion performance. A comprehensive range of bottom channels and guides are available to suit a wide range of applications.

Max panel weight: 180kg (395lbs)
Max panel height: 3000mm (118 1/8")
Min panel thickness: 35mm (1 3/8"")
Application: Interior and exterior sliding wood, metal or aluminum shutters and doors

Single Run 350

Structural aluminum track with 3mm (1/8") wall thickness enables Brio architectural systems to support panels weighing up to 350kg (770lbs). Brio Single Run 350 is ideally suited to large openings in residential, commercial and industrial interior or exterior applications.

To accommodate these higher loads, the wheels used in Single Run 350 increase in size. Like all Brio Single Run systems, the combination of precision bearings, nylon tired wheels and our unique track profiles offer quiet finger-tip control.

Brio Single Run is designed to be discrete which is why our square track is ideally shaped for recessing into the ceiling line. Two parallel track seal grooves locate brush seals that hide the hanger bolts and brackets, while providing sound reduction. The track can be soffit-fixed through the top or side-fixed using Brio stainless steel face-fixed mounting brackets for single or double track runs.

The 250 track is available in 25 micron clear anodized aluminum for improved corrosion performance. A comprehensive range of bottom channels and guides are available to suit a wide range of applications.

Max panel weight: 350kg (770lbs)
Max panel height: 3300mm (129 7/8")
Min panel thickness: 35mm (1 3/8"")
Application: Interior and exterior sliding wood, metal or aluminum shutters and doors

Max panel weight: 180kg (395lbs)
Max panel height: 3000mm (118 1/8")
Min panel thickness: 35mm (1 3/8"")
Application: Interior and exterior sliding wood, metal or aluminum shutters and doors
Single Run 80 and 100
For top hung straight sliding panels, max 80kg (175lbs) or 100kg (220lbs) each

TRACK FIXING CENTERS
20mm [13/16"] FROM EACH END, 400mm [15 3/4"] MAXIMUM SPACINGS

*57ENP INTERCHANGEABLE WITH 57DN

PANEL PREPARATION
No. 57ENP HANGER

* WHEN USING No. 100SCT SOFT CLOSE CLEARANCE 22-29 [7/8"-1 1/8"]
Single Run 120

For top hung straight sliding panels, max 120kg (265lbs) each
Single Run 180
For top hung straight sliding panels, max 180kg (395lbs) each

- M5 SCREW
- 16mm [5/8"]
- TIMBER PAD
- No. 180 TRACK
- No. 57GN HANGER
- No. 56GN AVAILABLE WITH SHORT STEM FOR ANGLE OR CHANNEL FRAMED PANEL
- No. 106RB/94 GUIDE FITTED ON FLOOR IN OVERLAP AREA.
- No. 94PPA CHANNEL RECESSED INTO PANEL

Panel Preparation
No. 57GN HANGER

Guide System
No. 106RB/94 GUIDE FITTED ON FLOOR IN OVERLAP AREA.
No. 94PPA CHANNEL RECESSED INTO PANEL
Single Run 350
For top hung straight sliding panels, max 350kg (770lbs) each.

- **M6 Bolt with Washer and Captive Nut**
- **No. 56HN Track**
- **No. 56HN Hanger** available with short stem for angle or channel framed panel
- **Ø11 [7/16"] Boring Hole**

**Panel Preparation**
No. 52HN Hanger

**Panel Thickness**
35mm [1 3/8"] min.
48mm [1 7/8"] max.

**Guide Systems**
- No. 106RB/94 Guide fitted on floor in overlap area.
- No. 94PPA Channel recessed into panel
- No. 106RB/94 Guides fitted to bottom rail of panel. No. 94PPA Channel recessed into floor
Hangers
Chrome precision bearing codes shown

Single Run 80 and 100

Single Run 120

Single Run 180

Single Run 350

57ENP  57DN

58EN

57GN

57HN

56EN

56GN

56HN

57EN

56GLN

56HLN

50EN

52GN

52HN
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*25µm equals Architectural Class I, 15µm equals Architectural Class II*
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.briousa.com