Brio® Single Run
Top hung straight sliding architectural systems for panels up to 350kg
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 9001:2015.
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 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 aluminium 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 either mill or 25 micron clear anodised aluminium 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 tyres 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.

Max panel weight: 80kg
Max panel height: 3000mm
Min panel thickness: 28mm
Application: Interior and exterior sliding timber or aluminium shutters and doors

Max panel weight: 100kg
Max panel height: 3000mm
Min panel thickness: 28mm
Application: Interior and exterior sliding timber or aluminium shutters and doors

Optional Accessories
Soft Close: 100SCL (10-50kg panel)
100SCT (51-100kg panel)
Simultaneous: SIM/2 (Max panel weight 100kg)
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 in residential or light commercial applications. It uses 4 nylon tyred, 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 timber, aluminium 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 120A 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. Fascia option is also available for a clean uninterrupted look.

Our 120R track is suitable for internal applications for easy integration with ceiling tiles. 120R and 120A tracks are both available in mill and 25 micron clear anodised for improved corrosion performance.

Max panel weight: 120kg
Max panel height: 3000mm
Min panel thickness: 19mm
Application: Interior and exterior sliding timber or aluminium shutters and doors

Optional Accessories
Simultaneous: SIM/2 (Max panel weight 100kg)
Telescopic: TEL/2 (Max panel weight 120kg)  TEL/3 (Max panel weight 100kg)
Fascia: 123
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 panel capacity can accommodate large panels, for example, an aluminium framed panel 2.5m x 2.5m with 10mm 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 minimise 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 timber, aluminium 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 180A track is available in either mill or 25 micron clear anodised aluminium for improved corrosion performance. Fascia option is also available for a clean uninterrupted look. A comprehensive range of bottom channels and guides are available to suit a wide range of applications.

Max panel weight: 180kg
Max panel height: 3000mm
Min panel thickness: 35mm
Application: Interior and exterior sliding timber, metal or aluminium shutters and doors

Optional Accessories
Simultaneous: SIM/2 (Max panel weight 100kg)
Telescopic: TEL/2 (Max panel weight 120kg)
TEL/3 (Max panel weight 100kg)
Fascia: 183

Single Run 350

Structural aluminium track with 3mm wall thickness enables Brio architectural systems to support panels weighing up to 350kg. 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 tyred 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 350 track is available in either mill or 25 micron clear anodised aluminium for improved corrosion performance. Fascia option is also available for a clean uninterrupted look. A comprehensive range of bottom channels and guides are available to suit a wide range of applications.

Max panel weight: 350kg
Max panel height: 3300mm
Min panel thickness: 35mm
Application: Interior and exterior sliding timber, metal or aluminium shutters and doors

Optional Accessories
Simultaneous: SIM/2 (Max panel weight 100kg)
Telescopic: TEL/2 (Max panel weight 120kg)
TEL/3 (Max panel weight 100kg)
Fascia: 353
Single Run 80 and 100
For top hung straight sliding panels, max 80kg or 100kg each

No. 924-DC DOOR COLLECTOR
No. 57ENP HANGER
No. 924-DC DOOR COLLECTOR

No. 100 TRACK
28 MIN 45 MAX
28 MIN 45 MAX

No. 57ENP HANGER
No. 924-DC DOOR COLLECTOR
No. 57ENP HANGER
No. 924-DC DOOR COLLECTOR

44 MIN 52.5 MAX
41 MIN 53 MAX
44 MIN 52.5 MAX
41 MIN 53 MAX

No. 100SCT SOFT CLOSE
620 MIN PANEL WIDTH SINGLE SOFT CLOSE
970 MIN PANEL WIDTH FOR DOUBLE SOFT CLOSE

No. 100SCT SOFT CLOSE

TRACK FIXING CENTRES
20mm FROM EACH END, 400mm MAXIMUM SPACINGS

JAMB
No. 100CS CLIP STOP
No. 57ENP HANGER

HANGER ASSEMBLY
HANGER SERRATED FLANGE NUT
BOLT HANGER PLATE
LOCK SERRATED FLANGE NUT
HOLD BOLT

GUIDE OPTIONS
No. 55S/120 BRACKET
No. 106A/94 CHANNEL
No. 10/946A GUIDE
No. 94PPA CHANNEL
No. 91 BRACKET
No. 96W CHANNEL
No. 106S/120MF GUIDE
No. 96/94 CHANNEL

PANEL PREPARATION
No. 57ENP HANGER

* WHEN USING No. 100SCT SOFT CLOSE, CLEARANCE 24-29
Single Run 120
For top hung straight sliding panels, max 120kg each

TRACK FIXING CENTRES
20mm FROM EACH END, 400mm MAXIMUM

HANGER ASSEMBLY
HANGER
SERRATED FLANGE NUT
BOLT
HANGER PLATE
LOCK
SERRATED FLANGE NUT
HOLD BOLT

PANEL PREPARATION
No. 57EN HANGER
No. 50EN HANGER
No. 58EN HANGER

Panel Preparation

No. 924-DC DOOR COLLECTOR

57EN HANGER

No. 531T FLOOR GUIDE
No. 106AT GUIDE

No. 924-DC DOOR COLLECTOR

No. 106SSMF GUIDE
No. 96W CHANNEL

No. 106E/94 GUIDE
No. 94A CHANNEL

CL
20
CL
431
Single Run 180
For top hung straight sliding panels, max 180kg each

PANEL THICKNESS
38mm MIN.
48mm MAX.

DOOR PREPARATION
No. 57GN HANGER

GUARD SYSTEM
No. 106RB/94 GUIDE FITTED ON FLOOR IN OVERLAP AREA.
No. 94PA CHANNEL RECESSED INTO PANEL

No. 180A TRACK
No. 57GN HANGER

No. 1SS/250 BRACKET
M6 BOLT WITH WASHER AND CAPTIVE NUT
No. 180A TRACK
No. 56GLN HANGER
No. 56GN AVAILABLE WITH SHORT STEM FOR ANGLE OR CHANNEL FRAMED PANEL

Ø11 BORE HOLE

No. 106RB/94 GUIDE
No. 94P IN No. 94PA SUPPORT CHANNEL

No. PS13B OR No. PS16B BRUSH SEAL

No. 52GN HANGER

PRE-DRILL Ø3 X 4
5 DEEP

PRE-DRILL Ø3 X 3
5 DEEP

25
14.5
14.5
23.5
23.5
12
47
45
85
68
155
17.25
Single Run 350
For top hung straight sliding panels, max 350kg each

HANGERS AVAILABLE WITH SHORT STEM FOR ANGLE OR CHANNEL FRAMED PANEL

M6 BOLT WITH WASHER AND CAPTIVE NUT

HANGERS

No. 350 TRACK

13-25

155

UNDERSIDE OF LINTEL

6

M5 SCREW

No. 57HN HANGER

No. 350 TRACK

25

12

50

13-25

Panel Thickness
35mm MIN.
48mm MAX.

No. 21RB/94 GUIDE

No. 94P IN No. 94PA CHANNEL

No. 104RB/94 GUIDE

No. 94P IN No. 94PA SUPPORT CHANNEL

No. 56HN HANGER

No. 57HN HANGER

DOOR PREPARATION
No. 52HN HANGER

GUIDE SYSTEMS
No. 106RB/94 GUIDE FITTED ON FLOOR IN OVERLAP AREA, No. 94PPA CHANNEL RECESSED INTO DOOR

No. 106RB/94 GUIDES FITTED TO BOTTOM RAIL OF DOOR, No. 94PPA CHANNEL RECESSED INTO FLOOR

No. PS13B OR No. PS16B BRUSH SEAL

No. 21RB/94 GUIDE

No. 94P IN No. 94PA CHANNEL

No. 21RB/94 GUIDE

No. 94P IN No. 94PA SUPPORT CHANNEL

LUG FOR CONCRETE

DOOR PREPARATION
No. 52HN HANGER

GUIDE SYSTEMS
No. 106RB/94 GUIDE FITTED ON FLOOR IN OVERLAP AREA, No. 94PPA CHANNEL RECESSED INTO DOOR

No. 106RB/94 GUIDES FITTED TO BOTTOM RAIL OF DOOR, No. 94PPA CHANNEL RECESSED INTO FLOOR

No. PS13B OR No. PS16B BRUSH SEAL

No. 21RB/94 GUIDE

No. 94P IN No. 94PA CHANNEL

No. 21RB/94 GUIDE

No. 94P IN No. 94PA SUPPORT CHANNEL

LUG FOR CONCRETE
Hangers
Chrome precision bearing codes shown

Single Run 80 and 100

Single Run 120

Single Run 180

Single Run 350
Fascia
Aluminium Fascias for tracks Single Run 120-350
**Soft Close**

**Single Run 80-100 accessory**

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.

**Note:** Soft Close 100SCL and 100SCT available for Single Run 80 and 100 only.

- Max panel weight 100SCL 10-50kg (10-25kg if used with SIM/2)
- Max panel weight 100SCT 51-100kg (26-50kg if used with SIM/2)

If a fascia and track option is required, use Soft Close with Single Run 80 and 100 hardware with 120A track and 123 Fascia.

**Door Collector**

These discreet nylon blocks with rubber inlays are easy to install on all of Brio’s Single Run systems. They quietly pick up parallel panels and then release them in either the open or closed position.
Experience the freedom of opening up or closing off different areas of your layout in an instant with panels that can be used for privacy or simply hidden away by sliding them into wall pockets. This can be achieved with Brio’s Simultaneous accessory for Single Run 100-350, which opens bi-parting panels symmetrically as one door will drive the other door in the opposite direction.

SIM/2 (Max panel weight 100kg)
Telescopic
Single Run 120-350 accessory

Enjoy quiet running, Telescopic doors with Brio’s Single Run 120-350 accessory which operates bi-passing panels in 2 or 3 panel configurations. Operating one door will drive the other stacked panels to traverse across the opening.

TEL/2 (Max panel weight 120kg)

TEL/3 (Max panel weight 100kg)
## Specifications

<table>
<thead>
<tr>
<th>Panel Specification</th>
<th>80 Series</th>
<th>100 Series</th>
<th>120 Series</th>
<th>180 Series</th>
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### Hangers Stainless Steel Bearing

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### Track

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### Guide

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### Accessories

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<td>Door Collector - multiple panels</td>
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*Interlock available in clear, black and bronze anodise
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. Allegion had US$2.7 billion in revenue in 2018, and sells products in almost 130 countries.

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