JURALCO

JURALCO GLASLIDE™ FRAMELESS GLASS SLIDING PANEL SYSTEM

ISSUE 10-24 v1

Juralco Glaslide™ Frameless Glass Sliding Panel System

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents. For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors. The Juralco Glaslide™ Frameless Glass Sliding Panel System is fitted with 10,12 or 15mm Toughened Glass and is available in 2,3,4 or 6 Door configurations running on multiple tracks. A Magnetic latching system automatically locks all the doors in the closed position in a single movement. Glass panels max 1.1m wide and 3.0m high depending on Wind Zone, Panel height and Glass thickness. The system is especially suitable for high end Residential, to provide a Sliding Panel Wind protection System.

Index

Type	Pages	Description Use the Bookmarks List to jump to selected pages
Specifications	3	Juralco and Powder Coating Specifications
Setouts	4 - 5	Shows all Setouts for Single and Multiple Tracks. Also Glass Panel Size/Glass Thickness/Wind zone
Extrusions	6	Shows Glaslide Extrusions
Components	7	Shows Glaslide Components
Machining	8	Shows Glaslide Bottom Rail Machining
Magnetic Latch	9	Shows details and Operation of the Magnetic Latch
Handles, Security Block	10	Shows Pull Handles and Security Block installation details
Layouts	11	Shows Roller Height adjustment, Anti Wind-lift Block+ Installation, Magnetic Catch setout
Door Setouts	12 - 24	Shows various 2 x Door to 6 x Door Setouts, Cutting and Component Lists
Glass, Tracks	25 - 27	Shows Glass Heights, Spacings and Track dimensioning for 10, 12 and 15mm Glass
Fixing Table	28	Shows Glass Heights, and Track Fixing Centres for various Wind Zones
Attaching to Doorways	29 - 30	Shows Top corner, Bottom Corner machining and Installation details for Doorways
Attaching to BASK	31 - 37	Shows Top corner, Bottom Corner machining and Installation details for BASK
Installation Tips	38	Installation recommendations
Glass, Powder coat care	39 - 40	Instructions for the care of Glass and Powder coated surfaces

All pages © Copyright Juralco Aluminium Building Products Ltd, 2022.

Juralco Aluminium Building Products Ltd (JABP)
Specifications for Juralco Glaslide™ Frameless Glass Sliding Panel System

1.Scope

- This specification details the documents the Juralco Glaslide™ Frameless Glass Sliding Panel System refers to, in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System and requirements in relation to fixing and surface finishing.

2. NZBC Compliance.

- The Juralco Glaslide™ Frameless Glass Sliding Panel System has been reviewed by Lautrec Technology Group Ltd to demonstrate compliance with the structural requirements of the New Zealand Building Code, B1 Structure, B2 Durability (15 yrs), F2 Hazardous material and in particular:
  AS/NZS 1170.0-2002 Structural Design Actions-Part 0: General Principals
  AS/NZS 1170.1-2002 Structural Design Actions-Part 1: Permanent, imposed and other actions
  AS/NZS 1170.2-2021 Structural Design Actions-Part 2: Wind Actions.
  AS/NZS 1664.1:1997 Aluminium structures limit state design
  AS/NZS 1720.1:2022 Timber structures standard
  NZS 3404:1997 Steel structures standard
  NZS 4223.3:2016 Glazing in buildings - Human impact and safety requirements
  NZS 4223.4:2008 Glazing in buildings - Wind, Dead, Snow and Live Actions
  Note: The Juralco Glaslide™ Frameless Glass Sliding Panel System is **NOT** a barrier for Safeguard from Falling (F4),

3. Glass Manifestation.

- To be in accordance with NZS4223:3:2016
  Note: NZS4223:3:2016 2.2.3 Housing: Manifestation **is not** required in Housing (See NZS4223:3:2016 section 3.1 for Building Type classifications).
  NZS4223:3:2016 2.2.4 Other Buildings: For other buildings, manifestation **is** required.

4. Manufacturer's Documents

- The Juralco Glaslide™ Frameless Glass Sliding Panel System manual details all extrusions and components used for the fabrication and installation/fixing of the system.
- A Producer Statement 1(Design) is available.
  Copies of the above documents are available from:
  Juralco Aluminium Building Products Ltd
  48 Bruce McLaren Rd, Henderson, Auckland
  Phone 09 478 8018 Fax 09 478 7883 Email specify@juralco.co.nz
- Any deviation from the standard fabrication or installation/fixing must be accompanied by a site specific PS1 with site specific calculations and drawings.

5. Products

- Only extrusions, components and hardware supplied by or specified by JABP may be used in the Juralco Glaslide™ Frameless Glass Sliding Panel System
- Aluminium extrusions, components and hardware – unless specified are manufactured to 6060 T5 specifications
- Stainless Steel components, hardware, fixings – all components to 316 grade.

5.Surface Finishing

- Juralco Aluminium Building Products Ltd is a Dulux Registered Applicator site, registration number 2101. JABP uses only Dulux branded powder coating materials
- Dulux Duralloy® powder coating systems are suitable for properties greater than 100m from high tide level AAMA 2603 performance. Residential buildings, 3 levels max. Warranty 10 yrs
- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level. AAMA 2603 performance. Residential and Light commercial buildings, 3 levels max. Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level AAMA2603 and 2604 performance. All Residential and Commercial buildings. Warranty 25 yrs.

7. Installation and Fixing

- The Juralco Glaslide™ Frameless Glass Sliding Panel System must only be installed in accordance with the Juralco Glaslide™ Frameless Glass Sliding Panel System manual
- Any deviation from that specified in the Juralco Glaslide™ Frameless Glass Sliding Panel System manual must only be in accordance with the site specific PS1 with site specific calculations and drawings listing the non standard details
- The Juralco Glaslide™ Frameless Glass Sliding Panel System must only be fabricated/installed by a Juralco approved fabricator
- Upon completion of the installation the fabricator must supply the owner with a PS3 (Construction)

Important information - Powder Coating systems.

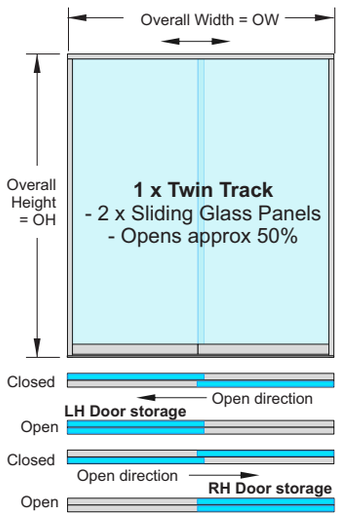
Powdercoat Systems The new standard Dulux powder coating system used by Juralco is Duralloy Plus®. Also Duralloy® and Duratec®. All as per specs above. Juralco Powder coated prices are for Duralloy Plus® and Duralloy® (same pricing). Duratec® prices on application.

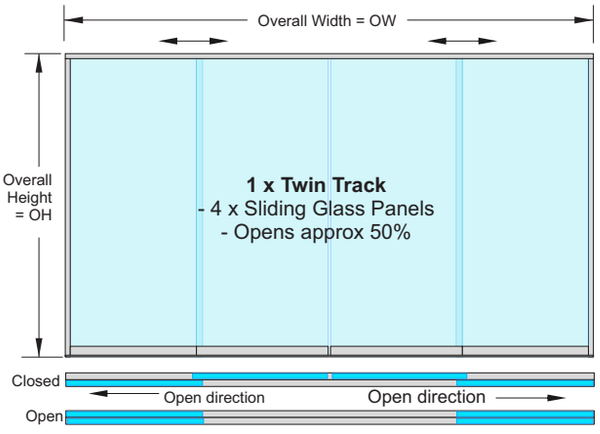
Attachment to structures A PVC Tape or similar material spacer must be used to separate powder coated aluminium items from all concrete and steel structures. Failure to do so can lead to the chemicals in the structure affecting the powder coating, leading to corrosion.

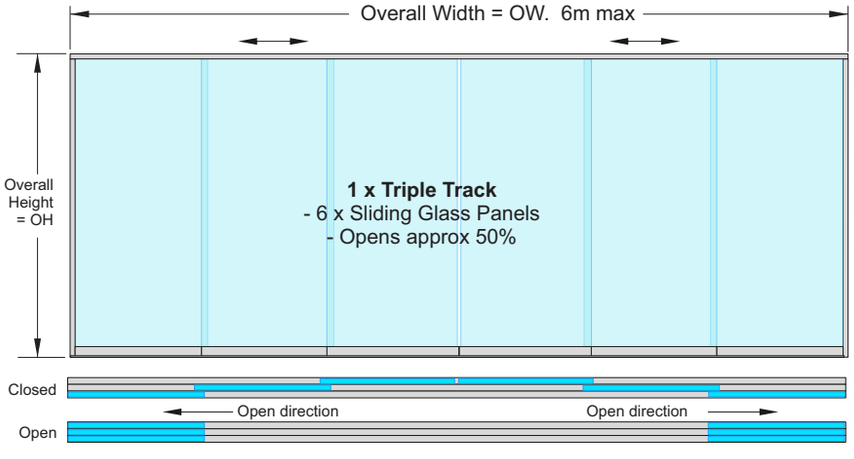
Swimming Pools The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

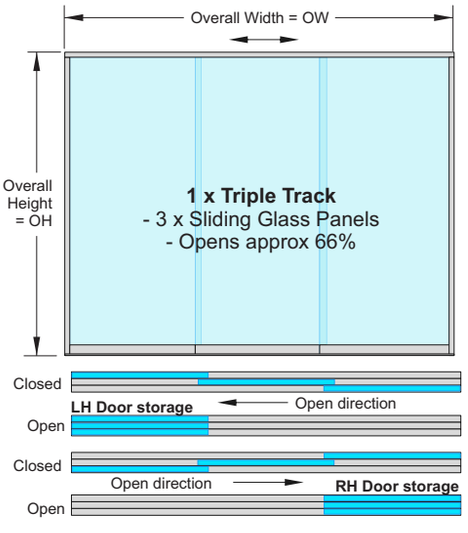
Care The Dulux powder coating warranty period is conditional upon the surface being maintained in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.

Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
All for 10mm,12mm or 15mm Toughened Glass.
Choice dependant on Glass Height, Width and Wind Zone

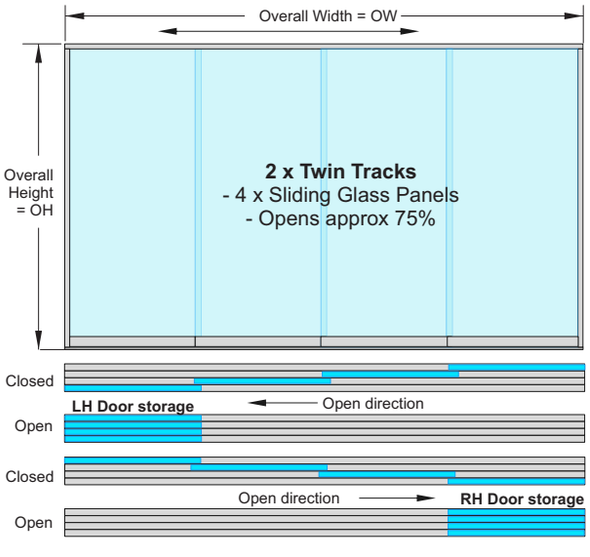


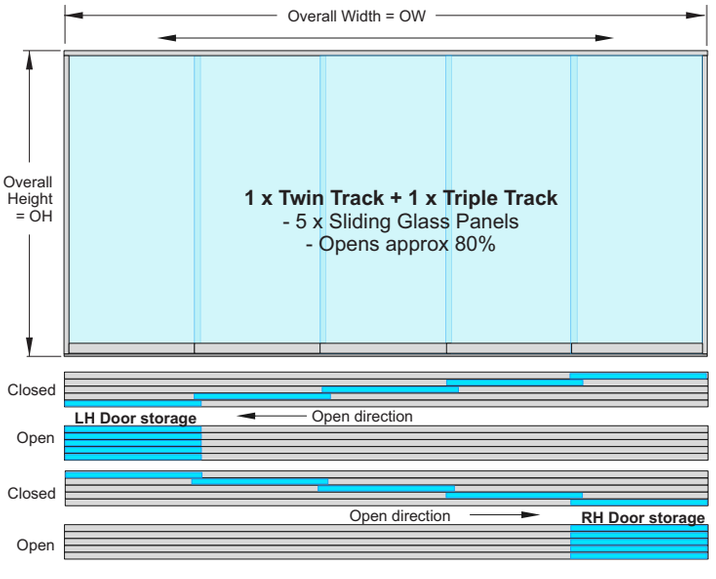




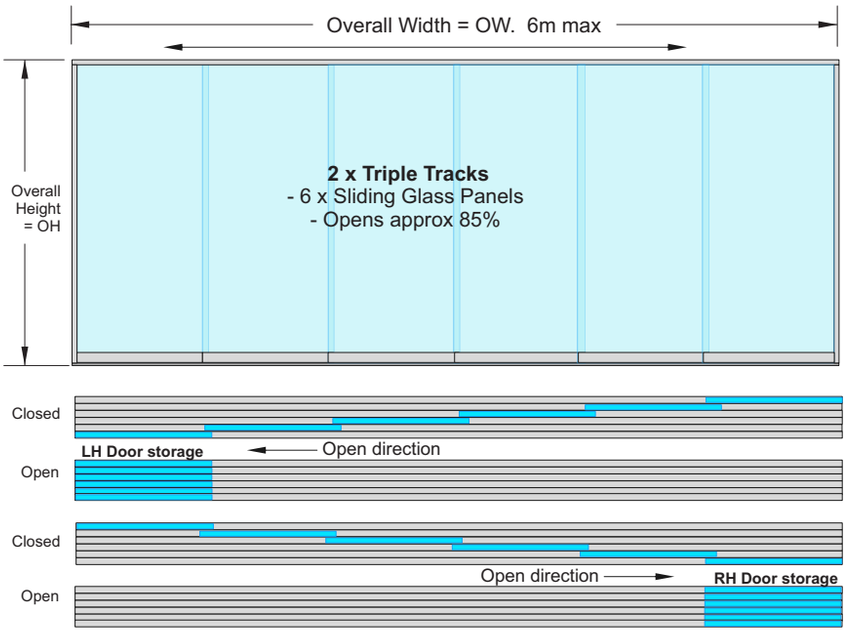


RH Door storage

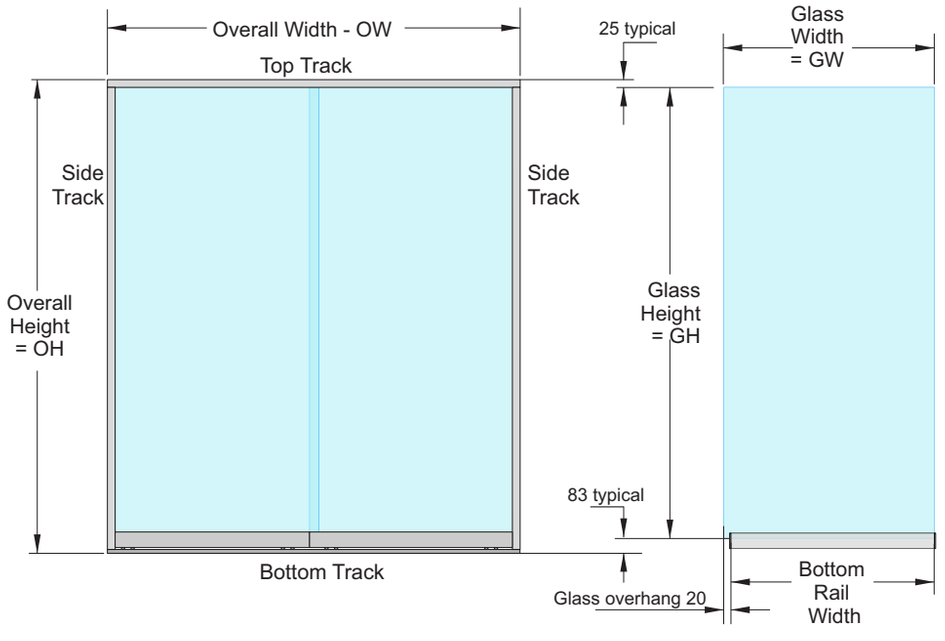




Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
All for 10mm,12mm or 15mm Toughened Glass.
Choice dependant on Glass Height, Width and Wind Zone



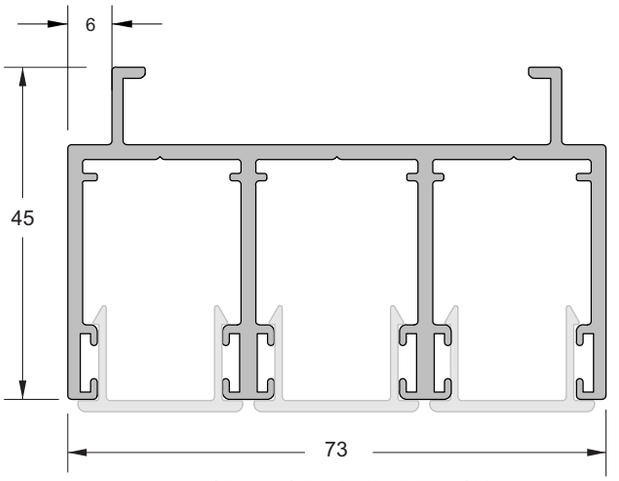
Dimensioning



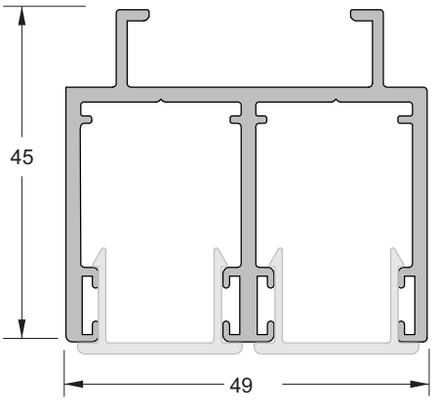
Glass Panel Sizes for Wind Zones

Glass Performance from NZS 4223.3.2016

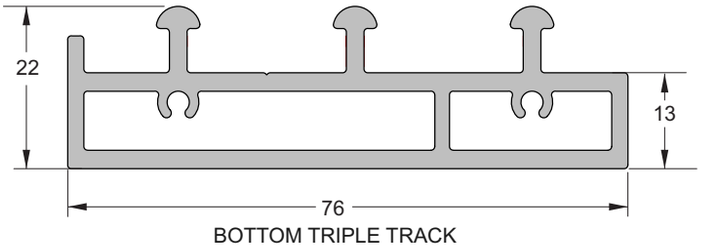
Typical Overall Height, mm	Glass Panel Height, mm	Max Glass Width, mm	Minimum Glass Thicknesses, for Wind Zones			
			Low	Medium	High	Very High
2108	2000	1100	10mm	10mm	12mm	12mm
2208	2100	1100	10mm	12mm	12mm	15mm
2308	2200	1100	12mm	12mm	12mm	15mm
2408	2300	1100	12mm	12mm	12mm	15mm
2508	2400	1100	12mm	12mm	12mm	15mm
2608	2500	1100	12mm	12mm	15mm	15mm
2708	2600	1100	12mm	12mm	15mm	NA
2808	2700	1100	12mm	12mm	NA	NA
2908	2800	1100	12mm	12mm	NA	NA
3008	2900	1100	12mm	15mm	NA	NA
3108	3000	1000	12mm	15mm	NA	NA
Up to 3608	3500	1000	12mm	NA	NA	NA
3808	3600	1000	15mm	NA	NA	NA



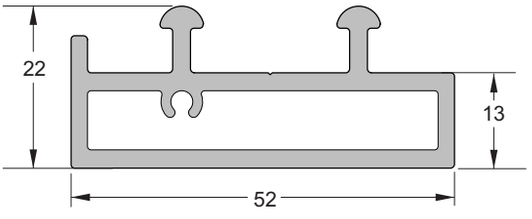
TOP and SIDE TRIPLE TRACK
JGS/5228/5.8



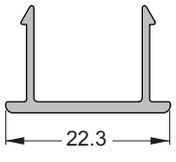
TOP and SIDE TWIN TRACK
JGS/5218/5.8



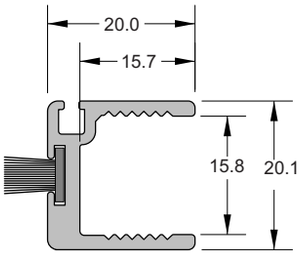
BOTTOM TRIPLE TRACK
JGS/5227/5.8



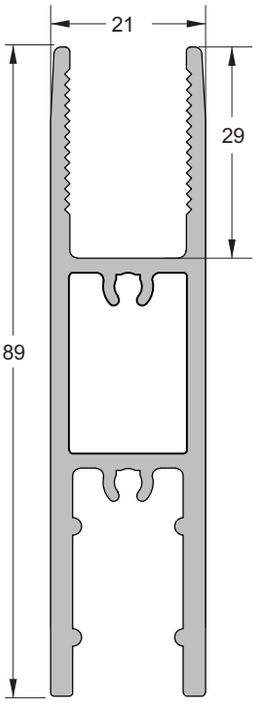
BOTTOM TWIN TRACK
JGS/5217/5.8



INFILL CLIP
JGS/5211/5.8



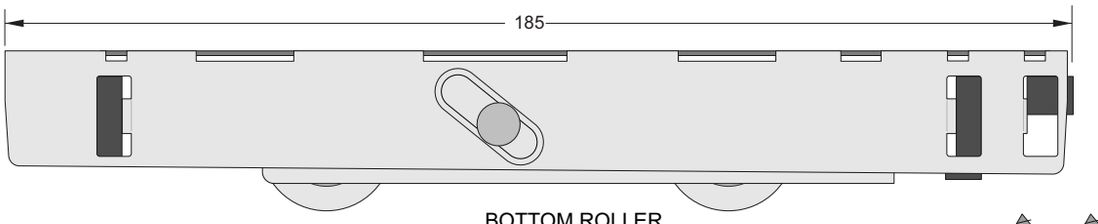
GLASS VERTICAL EDGE SEAL
+ JC225 MOHAIR
JGS/5215/5.8

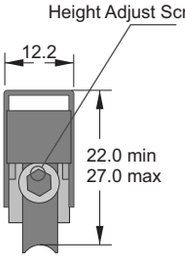


GLASS PANEL
BOTTOM RAIL
JGS/5216/5.8
or JGS/5216/1.4

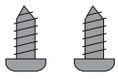
Juralco Glaslide™ Frameless Glass Sliding Panel System - Components

Bottom Roller





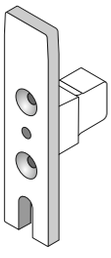
BOTTOM ROLLER
JGS/W01
All SS, Nylon Rollers, 60kg



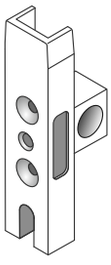
Roller attach
No8x10 SS ST

Glass Panel Botton Rail End Caps

Locks the end of the Magnetic Latch in place



LATCH END CAP
JGS/C02
(New - non Handed)

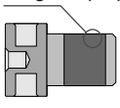


Magnet to be installed (see Magnet install page)

MAGNET LATCH KEEPER
JGS/C05
(New - non Handed)

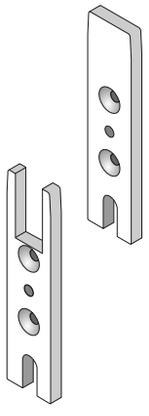
MAGNET
JGS/K/M1212

Fixed Magnet (supplied loose)



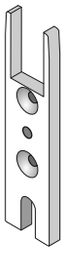
EPDM SPACER
JGS/K/SP12

Note: Installer to glue this magnet in place to ensure correct attraction to Latch



END CAP
BOTTOM RAIL
PLAIN
JGS/C03

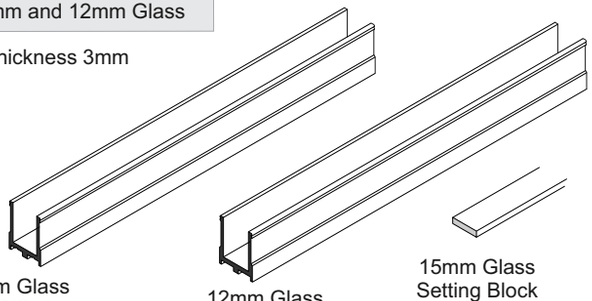
END CAP
BOTTOM RAIL
12mm Notch
JGS/C04/12



END CAP
BOTTOM RAIL
15mm Notch
JGS/C04/15

GLAZING CLIPs x 150mm For 10mm and 12mm Glass

Note: Base thickness 3mm



10mm Glass
JGS/C10
(note ID Grooves in base)

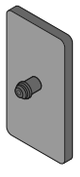
12mm Glass
JGS/C12

15mm Glass
Setting Block
JGS/C15
10mm x 3mm

BUMPON Clear JGS/C08

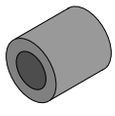
8 dia x 2.2mm
high. 45 per sheet

BUMP CAP JGS/C09/BLACK



Clips on to End caps

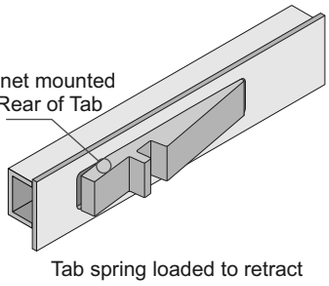
DOOR STOP JGS/C07



Door Stop inside
Side Guide
Screw in place
17mm dia x 18mm

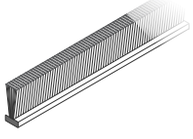
GLASLIDE MAGNETIC LATCH JGS/C01

Tab normaly closed/flush. Shown extended



Tab spring loaded to retract

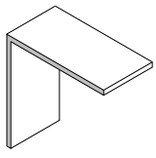
MOHAIR ROLLS FOR 10,12mm and 15mm Glass



6.7mm High
for 10 and 12mm Glass
JC225/350/BLACK

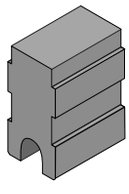
4.5mm High
for 15mm Glass
JC225/4.5/450/BL

CORNER CLEAT JGS/C06



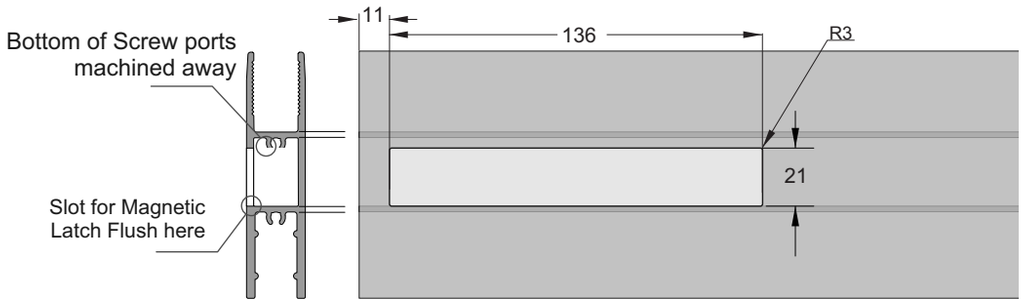
ex 40 x 40 x 1.6mm Angle
20mm wide

WIND LOAD BLOCK JGS/C18



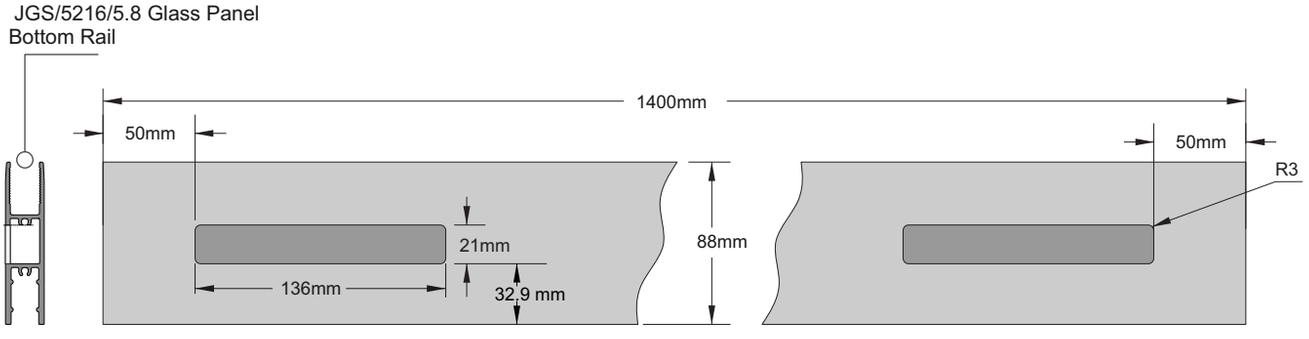
Nylon Block
29mm High x 25mm long

Machining Bottom Rail

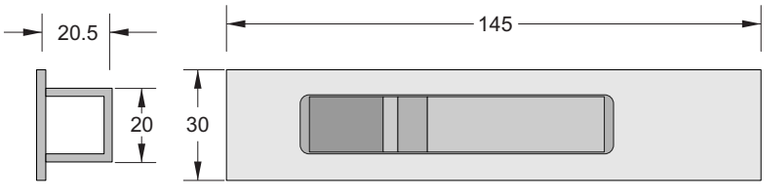


Premachined Bottom Rail

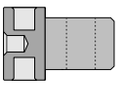
1 - Select LH or RH operation.
2 - Cut ends to length



JGS/5216M/1400 Premachined Slots in Bottom Rail **Both Slots one side only**

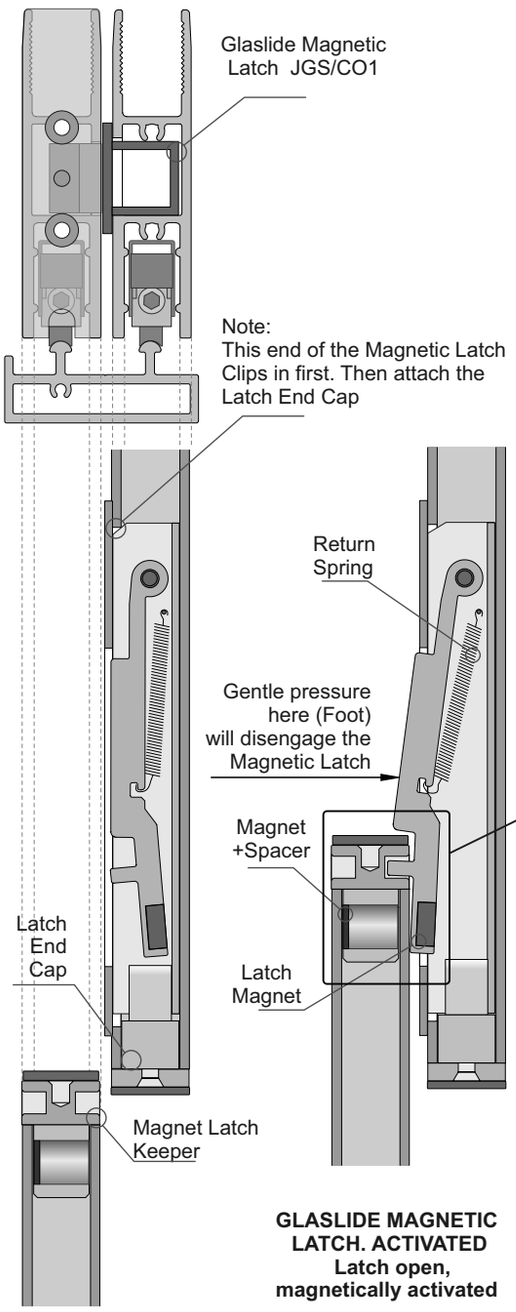


GLASLIDE MAGNETIC LATCH Part No JGS/CO1



MAGNET LATCH KEEPER JGS/C05

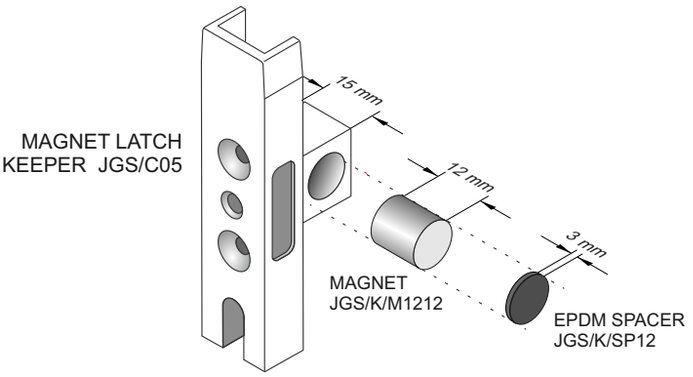
Operation



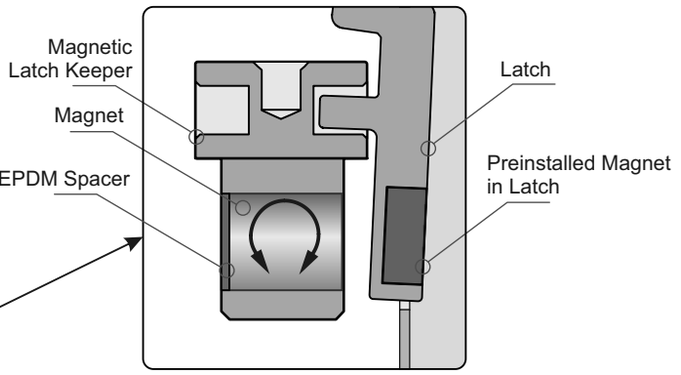
GLASLIDE MAGNETIC LATCH. ACTIVATED
Latch open, magnetically activated

GLASLIDE MAGNETIC LATCH. CLOSED
Latch normally closed, by spring

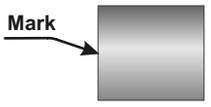
Magnet Installation into the Latch Keeper



1 - Select the Magnet Orientation, to connect strongly to the <u>pre installed</u> Magnetic Latch

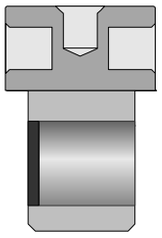


2 - Mark Non Latch side (Marker Pen) then withdraw Magnet



3 - Glue EPDM Spacer in place, to Mark

4 - Insert Spacer/Magnet into Latch Keeper. Glue in place. Should be flush both sides



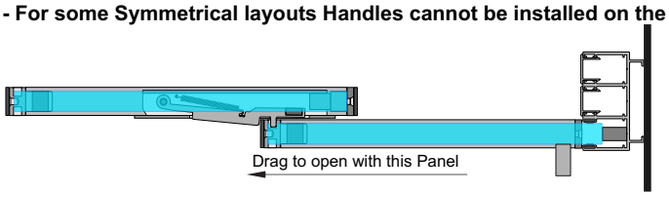
5 - Keep Latch and Latch Keeper together. Install in Bottom Rail together.

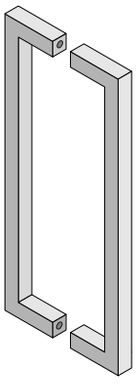
Juralco Glaslide™ Frameless Glass Sliding Panel System
Handle and Security Block Installation

Optional Handles
(sold only as Pairs)

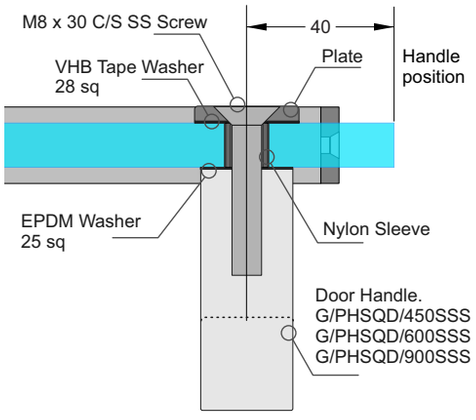
- Always installs on the Innermost/Closing Door.
- For some Symmetrical layouts Handles cannot be installed on the Inside

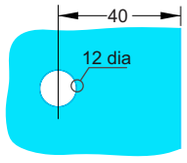
Door Handle Kit JGS/C19
Converts Pull handles into
2 x separate Handles



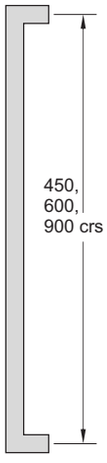


Door Handle.
G/PHSQD/450SSS
G/PHSQD/600SSS
G/PHSQD/900SSS
Pull Handles
(Note Available
as Pairs only)
Satin SS
25mm sq

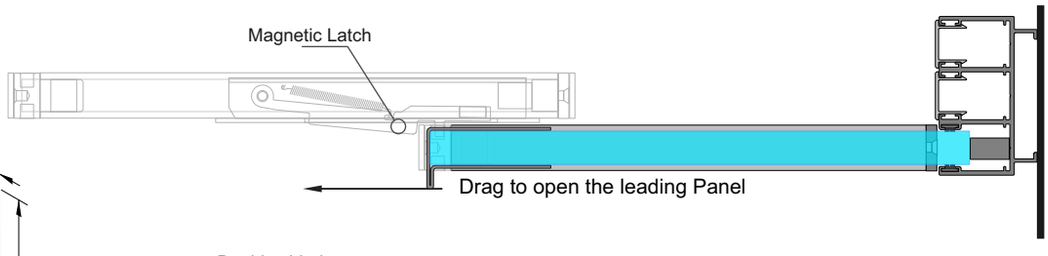


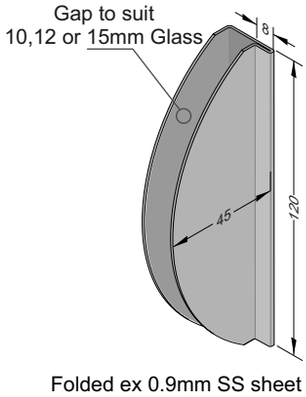


2 x Holes in Glass Panel
at 450,600 or 900crs .

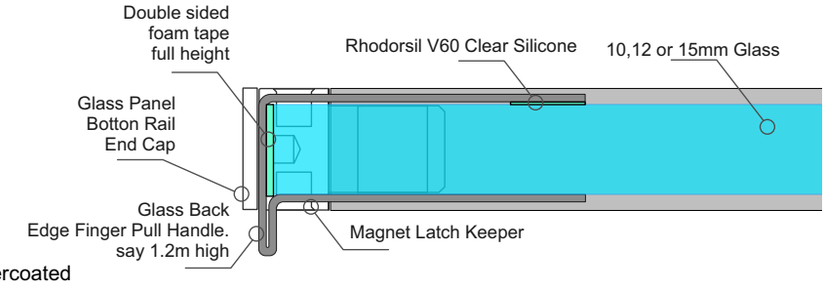


Optional - Glass Back
Edge Finger Pull Handle
JGS/CH10,JGS/CH12
JGS/CH15



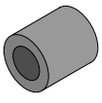


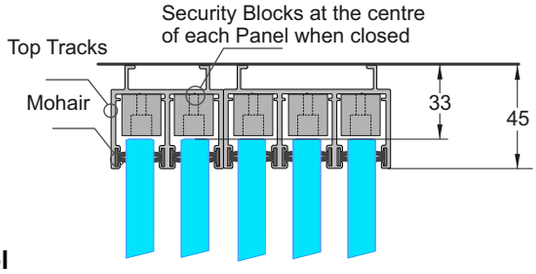
Folded ex 0.9mm SS sheet Powdercoated



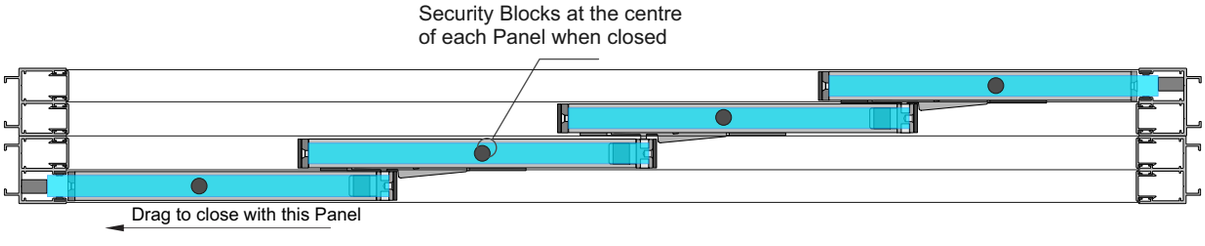
Optional Security Blocks
JGS/C07
(Door Stops)

Can be installed to prevent doors being physically lifted off the Tracks
Security in place only when Doors are in the fully closed position.

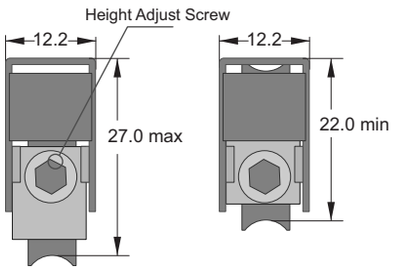




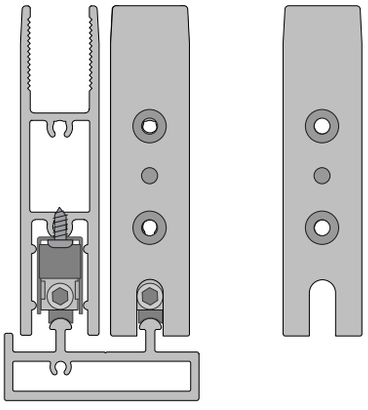
Important Notes:
- Screws up into the Top Track
- Glass heights are Reduced
- The Top and Bottom Tracks must be parallel
- The Blocks (rubber) can be trimmed, if needed

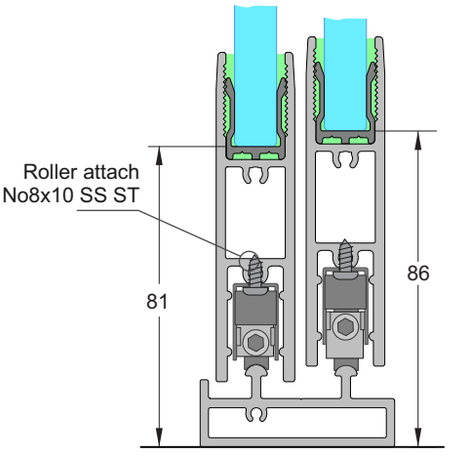


Roller Height Adjustment End Plate Bottom Grooves Glass Height above Floor



BOTTOM ROLLER
Part No JGS/W01
All SS, Nylon Rollers, 60kg

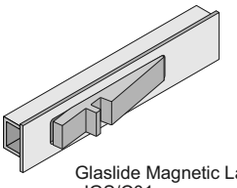




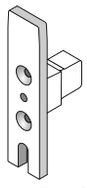
Floor to Bottom of Glass
Roller at min Down and Max Up

Glaslide Magnetic Latch and End Caps

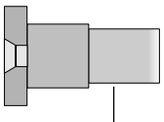
The primary function of the Magnetic Latch is used to drag doors when closing, and then to Lock them firmly in the closed position.
The Magnetic latches have to be disengaged (foot operation) to open the doors.



Glaslide Magnetic Latch
JGS/C01
Tab normaly closed/flush.
Shown extended

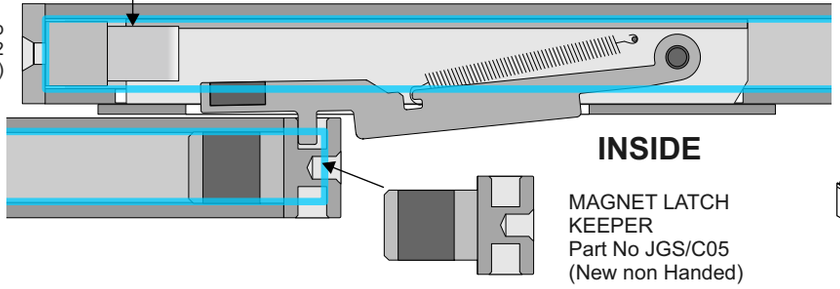


Latch End Cap
JGS/C02
(New - non Handed)



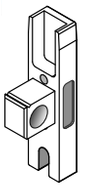
LATCH END CAP
Part No JGS/C02
(New non Handed)

OUTSIDE



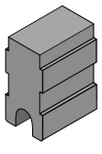
INSIDE

MAGNET LATCH
KEEPER
Part No JGS/C05
(New non Handed)

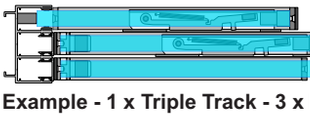


Magnet latch
Keeper JGS/C05
(New - non Handed)

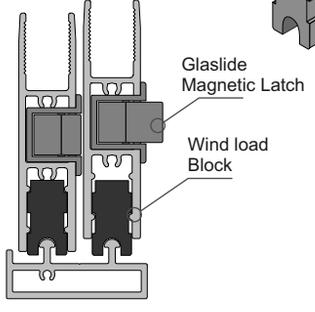
Wind load Block Part No JGS/C18

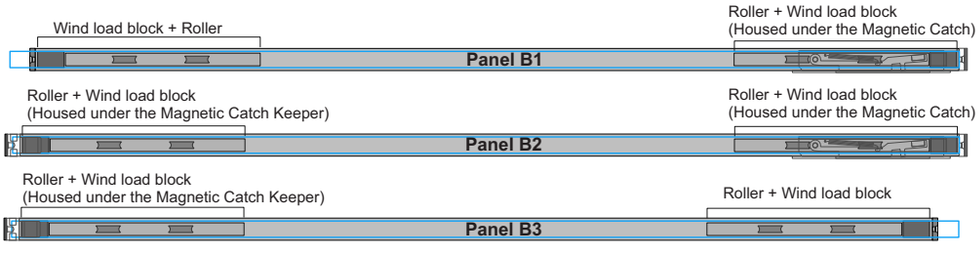


The Wind load block must be fitted to Doors if fall outside is greater than 1m.
Also must be fitted for Medium, High and Very High Wind Zones



Example - 1 x Triple Track - 3 x Doors

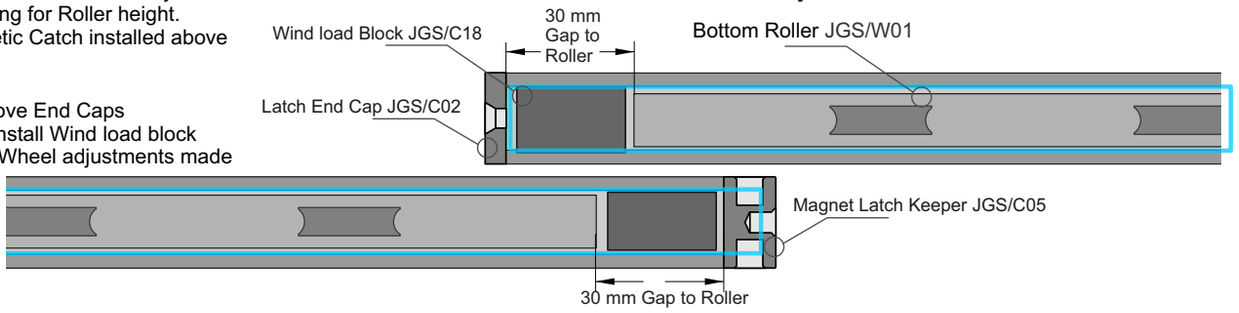




The Wind load block floats inside the Bottom Rail automatically adjusting for Roller height.
Magnetic Catch installed above

Roller Install - Leave a 30mm Gap for Wind load block

Remove End Caps
and install Wind load block
after Wheel adjustments made



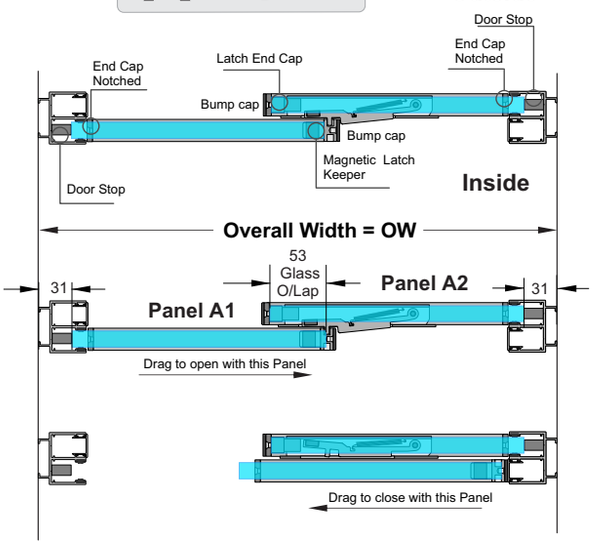
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Twin Track,
2 x Doors

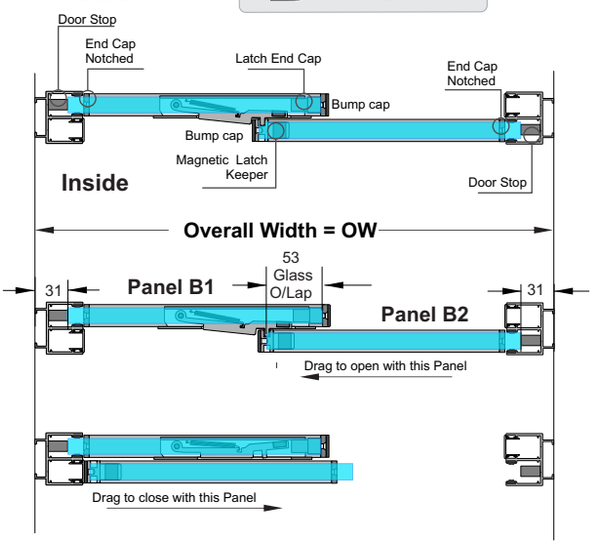
Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



B Layout



Glass panels can store at either side

Glass Panels x 2

Glass Panels, Width **GW** = OW/2 - 5
Glass Panels Height **GH** = OH -108 (typical)

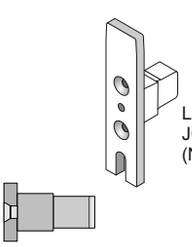
Bottom Rail Extrusion x 2

Bottom Rails, Widths (Sq ends)
1 x Panel, A1 = GW - 27
1 x Panel, A2 = GW - 19
1 x Panel, B1 = GW - 19
1 x Panel, B2 = GW - 27

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

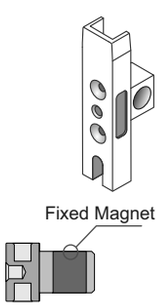
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
1	

Has an enclosed Magnet (to be fixed in place by Installer)

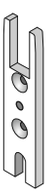


Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
1	

Use for 10mm, 12mm Glass



End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

Check

OR

No	Check
2	

Use for 15mm Glass

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

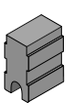
Check

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

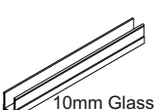
No	Check
2	



Wind Load Block
Part No JGS/C18
(If needed)

No	Check
4	

Check requirements



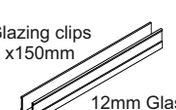
Glazing clips x150mm

No	Check
4	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



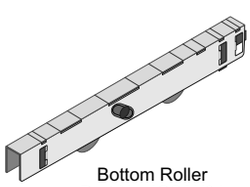
12mm Glass
Part No JGS/C12

Check

OR

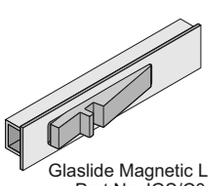
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
4	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
1	

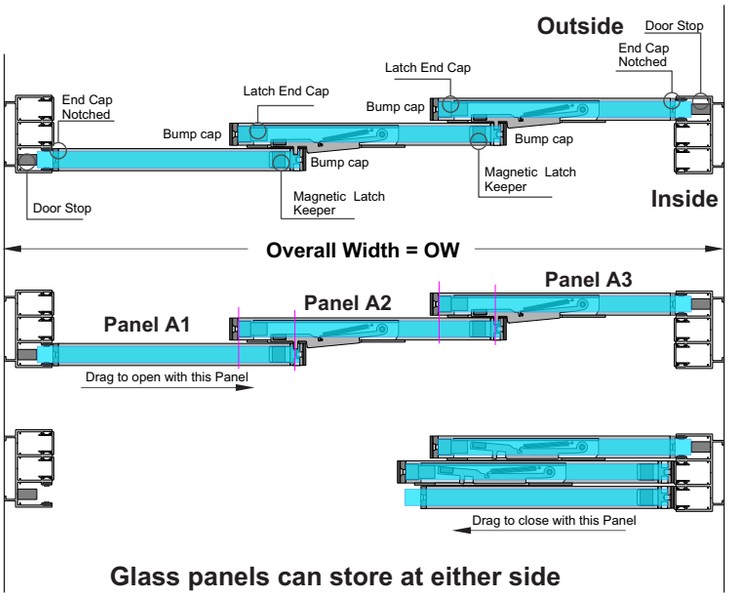
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Triple Track, 3 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass panels can store at either side

Glass Panels x 3

Glass Panels, Width **GW** = OW/3 + 14
Glass Panels Height **GH** = OH -108 (typical)

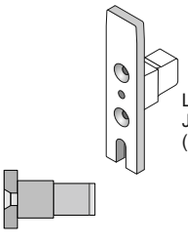
Bottom Rail Extrusion x 3

Bottom Rails, Widths (Sq ends)
1 x Panel, A1 = GW - 27
1 x Panel, A2 = GW - 5
1 x Panel, A3 = GW - 19

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

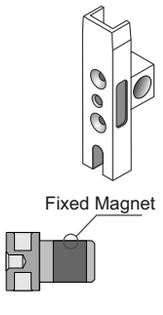
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

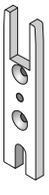
No	Check
2	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

No	Check
2	



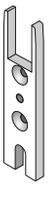
Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	



Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

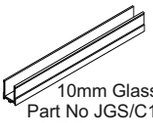
Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
4	

Wind Load Block
Part No JGS/C18
(If needed)

No	Check
6	

Check requirements



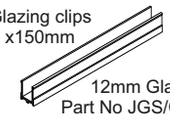
Glazing clips x150mm

No	Check
6	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



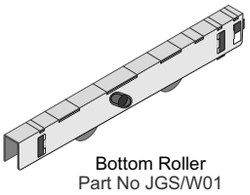
12mm Glass
Part No JGS/C12

Check

OR

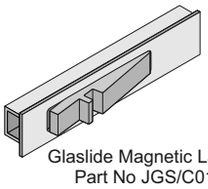
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
6	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
2	

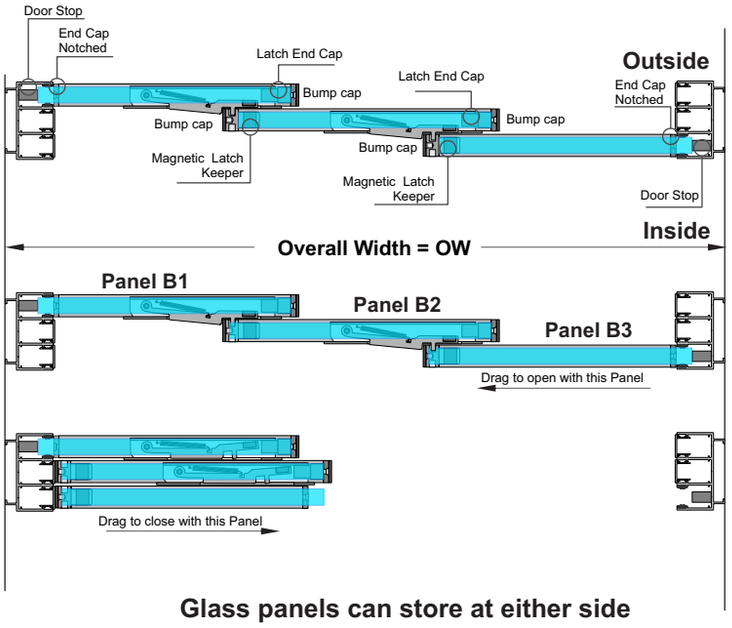
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Triple Track, 3 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout



Glass panels can store at either side

Glass Panels x 3

Glass Panels, Width **GW** = OW/3 + 14
Glass Panels Height **GH** = OH -108 (typical)

Bottom Rail Extrusion x 3

Bottom Rails, Widths (Sq ends)
1 x Panel, B1 = GW - 19
1 x Panel, B2 = GW - 5
1 x Panel, B3 = GW - 27

Track Extrusions

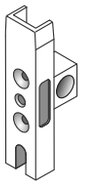
1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

Locks the end of the Magnetic Latch in place

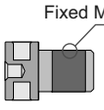
Latch End Cap
JGS/C02
(New - non Handed)

No	Check
2	

Has an enclosed Magnet (to be fixed in place by Installer)

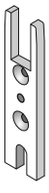


Magnet latch Keeper JGS/C05
(New - non Handed)



Fixed Magnet

No	Check
2	



Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check

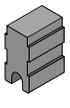
End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

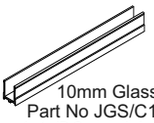
No	Check
4	



Wind Load Block
Part No JGS/C18
(If needed)

No	Check
6	

Check requirements



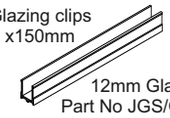
Glazing clips x150mm

No	Check
6	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

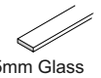
OR



12mm Glass
Part No JGS/C12

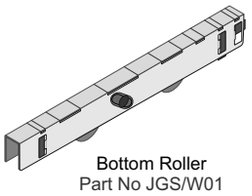
Check

OR



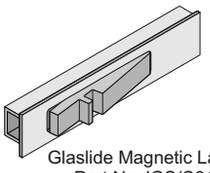
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
6	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
2	

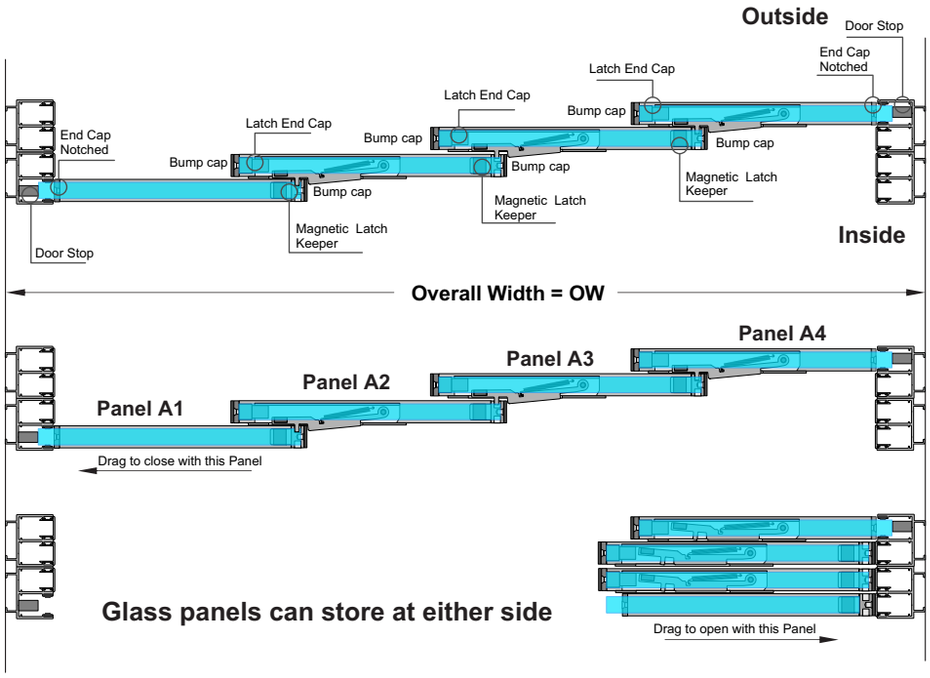
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

2 x Twin Tracks, 4 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass Panels x 4

Glass Panels, Width **GW** = OW/4 + 24
Glass Panels Height **GH** = OH -108 (typical)

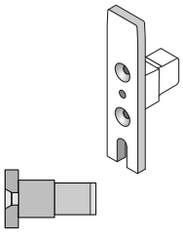
Bottom Rail Extrusion x 4

Bottom Rails, Widths (Sq ends)
1 x Panel, A1 = GW - 27
2 x Panels, A2, **A3** = GW - 5
1 x Panel, A4 = GW - 19

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

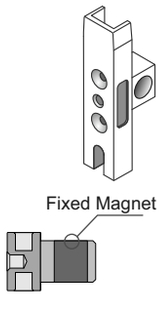
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

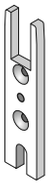
No	Check
3	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

No	Check
3	



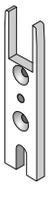
Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	



Use for 15mm Glass

Check

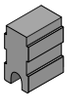
End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

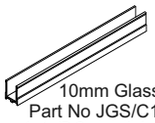
No	Check
6	



Wind Load Block
Part No JGS/C18
(If needed)

No	Check
8	

Check requirements



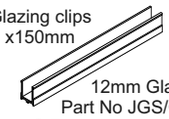
Glazing clips x150mm

No	Check
8	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



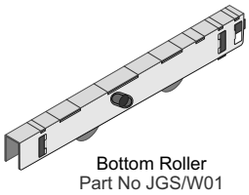
12mm Glass
Part No JGS/C12

Check

OR

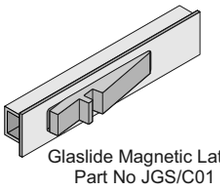
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
8	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
3	

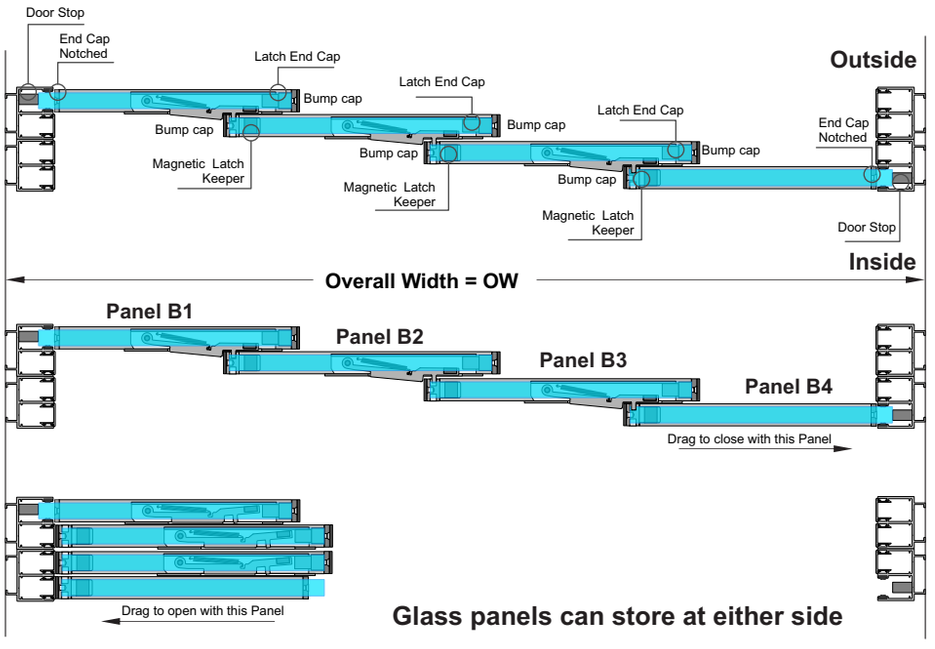
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

2 x Twin Tracks, 4 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout



Glass Panels x 4

Glass Panels, Width GW = OW/4 + 24
Glass Panels Height **GH** = OH -108 (typical)

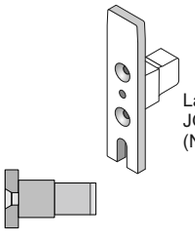
Bottom Rail Extrusion x 4

Bottom Rails, Widths (Sq ends)
1 x Panel, B1 = GW - 19
2 x Panels, B2, **B3** = GW - 5
1 x Panel, B4 = GW - 27

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

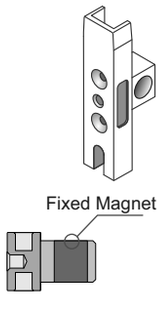
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
3	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch
Keeper JGS/C05
(New - non Handed)

No	Check
3	

Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

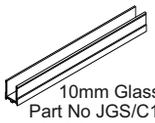
Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
6	

Wind Load Block
Part No JGS/C18
(If needed)

No	Check
8	

Check requirements



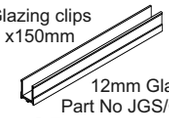
Glazing clips
x150mm

No	Check
8	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



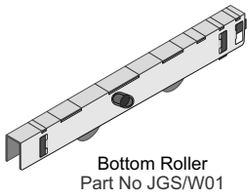
12mm Glass
Part No JGS/C12

Check

OR

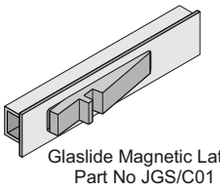
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
8	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
3	

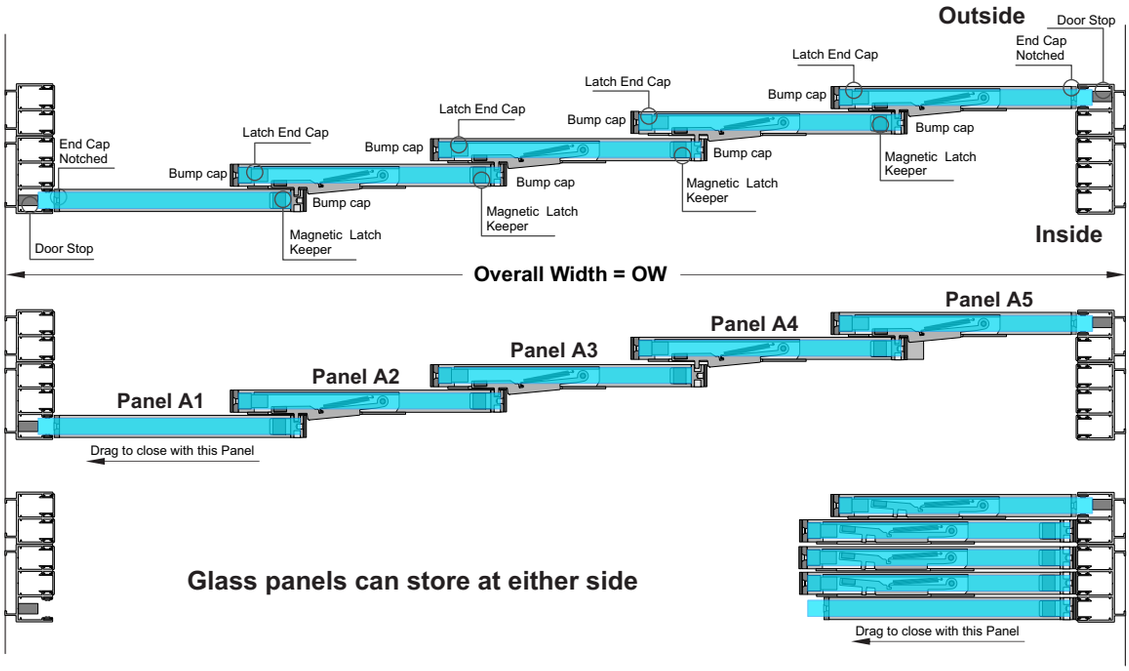
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Twin Track,
1 x Triple Track,
5 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass Panels x 5

Glass Panels, Width GW = OW/5 + 30
Glass Panels Height **GH** = OH -108 (typical)

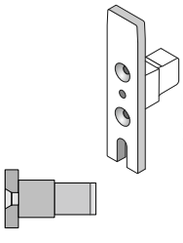
Bottom Rail Extrusion x 5

Bottom Rails, Widths (Sq ends)
1 x Panel, A1 = GW - 27
3 x Panels, A2- A4 = GW - 5
1 x Panel, A5 = GW - 19

Track Extrusions (Top/Bottom sq ends)

1 x Twin + 1 x Triple Top Track = OW - 2
2 x Twin + 1 x Triple Side Track = OH -59
(Sq at Top, machined base)
1 x Twin + 1 x Triple Bottom Track = OW - 2

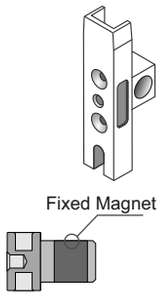
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
4	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
4	

Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

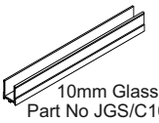
Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
8	

Wind Load Block
Part No JGS/C18
(If needed)

No	Check
10	

Check requirements



Glazing clips x150mm

No	Check
10	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR

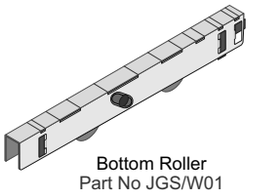
12mm Glass
Part No JGS/C12

Check

OR

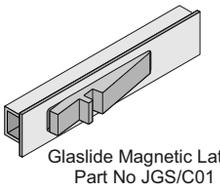
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
10	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
4	

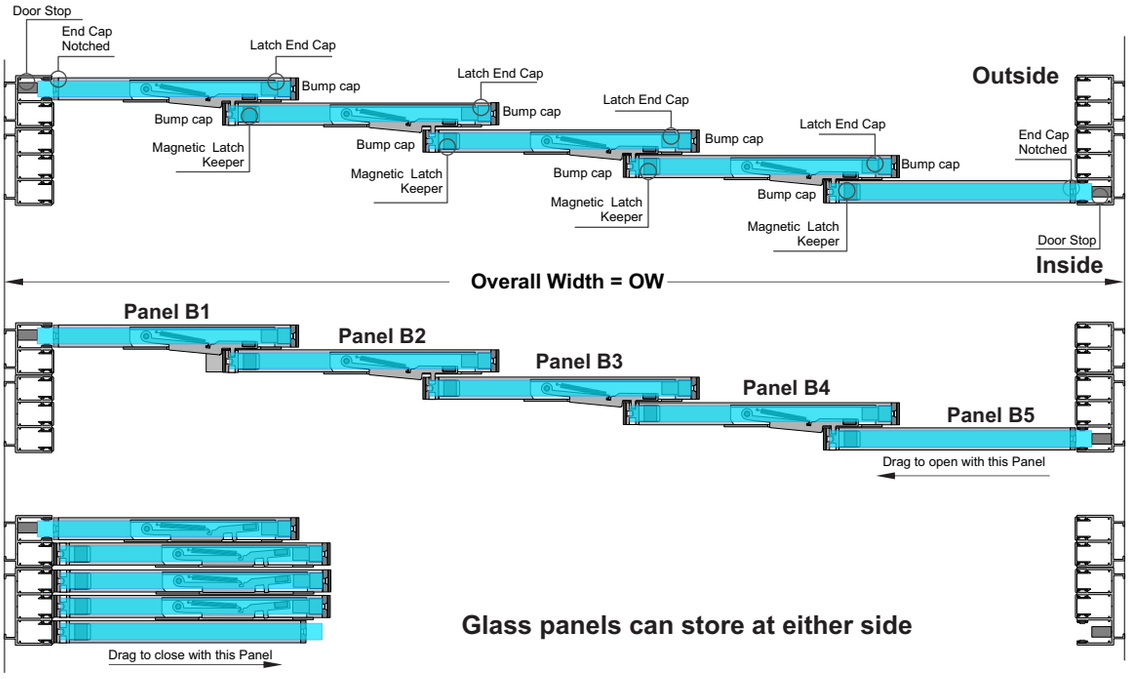
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Twin Track,
1 x Triple Track,
5 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout



Glass Panels x 5

Glass Panels, Width GW = OW/5 + 30
Glass Panels Height **GH** = OH -108 (typical)

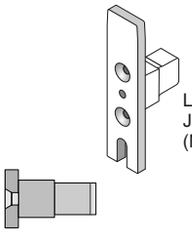
Bottom Rail Extrusion x 5

Bottom Rails, Widths (Sq ends)
1 x Panel, B1 = GW - 19
3 x Panels, B2 - **B4** = GW - 5
1 x Panel, B5 = GW - 27

Track Extrusions (Top/Bottom sq ends)

1 x Twin + 1 x Triple Top Track = OW - 2
2 x Twin + 1 x Triple Side Track = OH -59
(Sq at Top, machined base)
1 x Twin + 1 x Triple Bottom Track = OW - 2

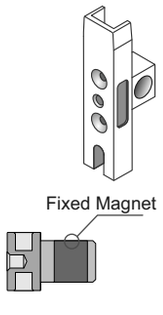
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
4	

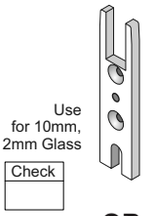
Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
4	



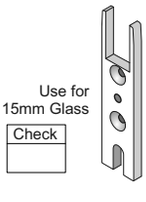
Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	



Use for 15mm Glass

Check

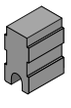
End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

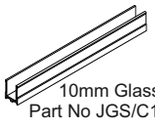
No	Check
8	



Wind Load Block
Part No JGS/C18
(If needed)

No	Check
10	

Check requirements



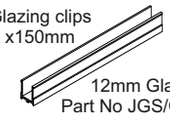
Glazing clips x150mm

No	Check
10	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



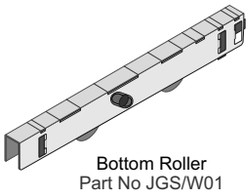
12mm Glass
Part No JGS/C12

Check

OR

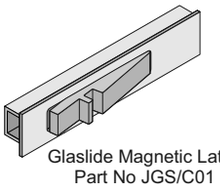
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
10	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
4	

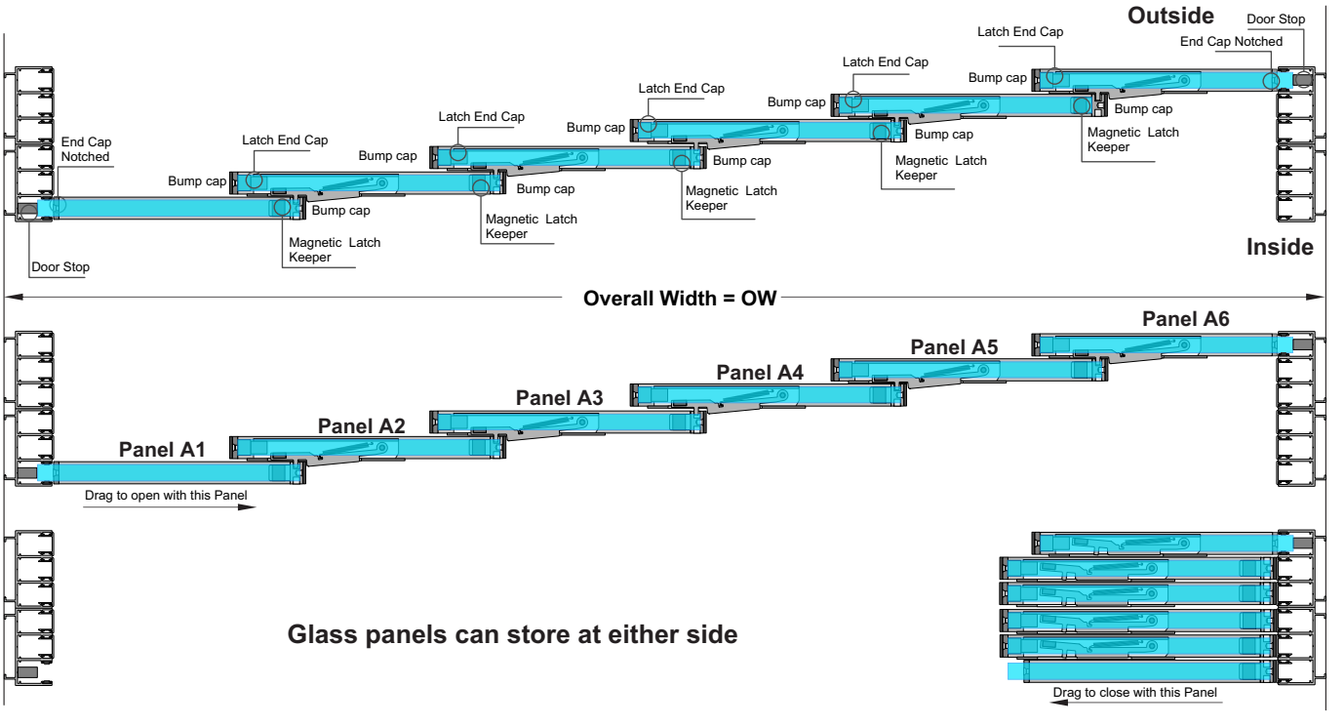
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

2 x Triple Tracks, 6 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass Panels x 6

Glass Panels, Width GW = OW/6 + 33
Glass Panels Height **GH** = OH -108 (typical)

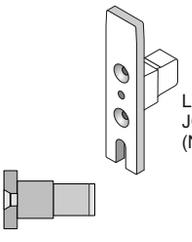
Bottom Rail Extrusion x 6

Bottom Rails, Widths (Sq ends)
1 x Panel, A1 = GW - 27
4 x Panels, A2- A5 = GW - 5
1 x Panel, A6 = GW - 19

Track Extrusions

2 x Triple Top Tracks = OW - 2 (Sq ends)
4 x Triple Side Tracks = OH -59
(Sq at Top, machined base)
2 x Triple Bottom Tracks = OW - 2 (Sq ends)

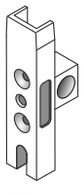
Locks the end of the Magnetic Latch in place



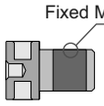
Latch End Cap
JGS/C02
(New - non Handed)

No	Check
5	

Has an enclosed Magnet (to be fixed in place by Installer)

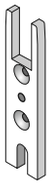


Magnet latch Keeper JGS/C05
(New - non Handed)



Fixed Magnet

No	Check
5	



Use for 10mm, 12mm Glass
Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass
Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

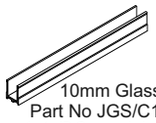
Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
10	

Wind Load Block
Part No JGS/C18
(If needed)

No	Check
12	

Check requirements

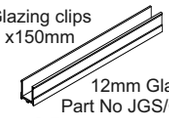


Glazing clips x150mm

No	Check
12	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)
Check

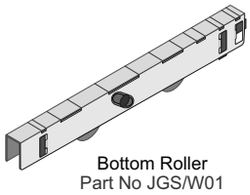
OR



12mm Glass
Part No JGS/C12
Check

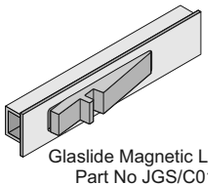
OR

15mm Glass
Setting Block
Part No JGS/C15
Check



Bottom Roller
Part No JGS/W01

No	Check
12	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
5	

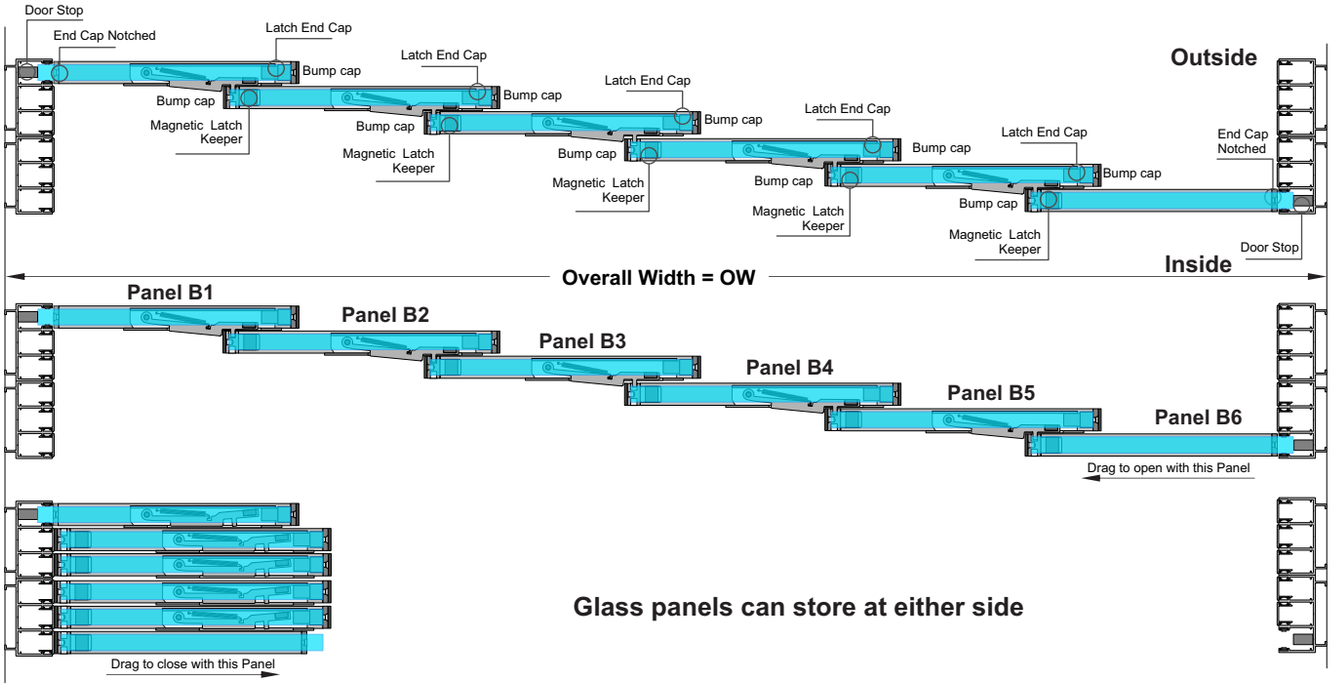
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

2 x Triple Tracks, 6 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout



Glass Panels x 6

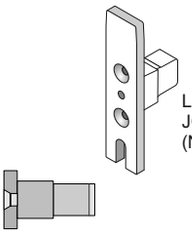
Glass Panels, Width GW = OW/6 + 33
Glass Panels Height **GH** = OH -108 (typical)

Bottom Rail Extrusion x 6

Bottom Rails, Widths (Sq ends)
1 x Panel, B1 = GW - 19
4 x Panels, B2 - B5 = GW - 5
1 x Panel, B6 = GW - 27

2 x Triple Top Tracks = OW - 2 (Sq ends)
4 x Triple Side Tracks = OH -59
(Sq at Top, machined base)
2 x Triple Bottom Tracks = OW - 2 (Sq ends)

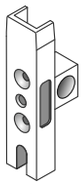
Locks the end of the Magnetic Latch in place



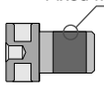
Latch End Cap
JGS/C02
(New - non Handed)

No	Check
5	

Has an enclosed Magnet (to be fixed in place by Installer)

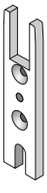


Magnet latch Keeper JGS/C05
(New - non Handed)



Fixed Magnet

No	Check
5	



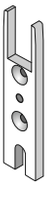
Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	



Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

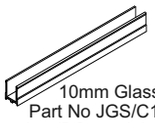
Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
10	

Wind Load Block
Part No JGS/C18
(If needed)

No	Check
12	

Check requirements



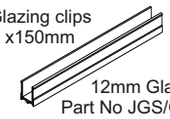
Glazing clips x150mm

No	Check
12	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



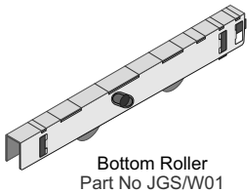
12mm Glass
Part No JGS/C12

Check

OR

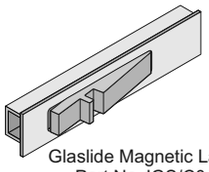
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
12	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
5	

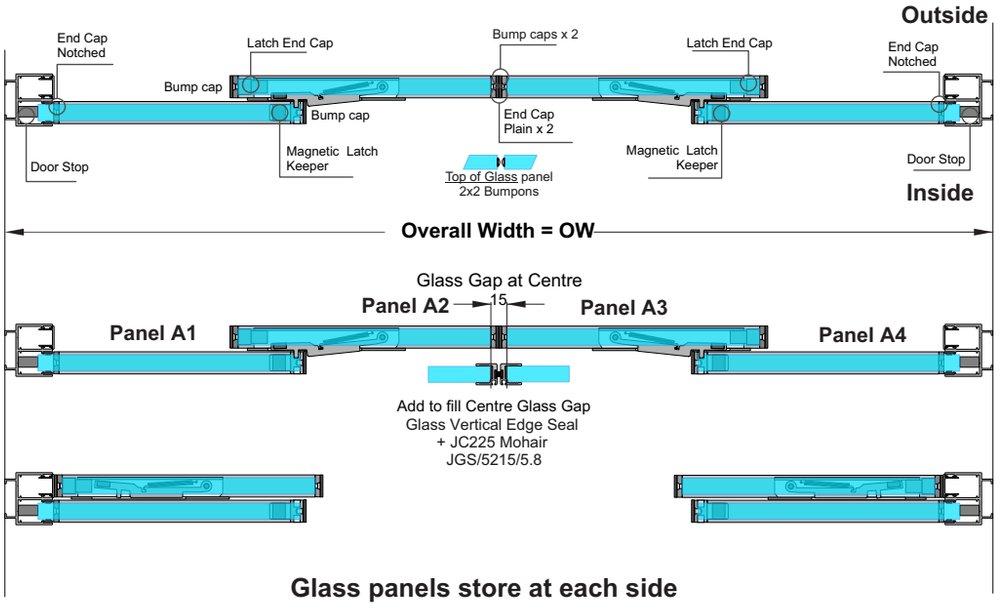
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Twin Track, 4 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass panels store at each side

Glass Panels x 4

Glass Panels, Width GW = OW/4 + 7
Glass Panels Height **GH** = OH -108 (typical)

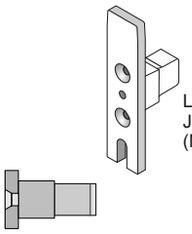
Bottom Rail Extrusion x 4

Bottom Rails, Widths (Sq ends)
2 x Panels, A1, **A4** = GW - 27
2 x Panels, A2, **A3** = GW + 3

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

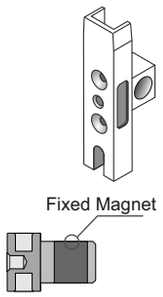
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
2	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch
Keeper JGS/C05
(New - non Handed)

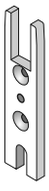
No	Check
2	

End Cap, Bottom Rail
Plain
Part No JGS/C03

No	Check
2	

Use for 10mm, 12mm Glass

Check



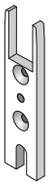
End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check



End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
6	

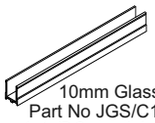
Wind Load Block
Part No JGS/C18
(If needed)

No	Check
8	

Check requirements

Circular Bumpons, Clear
Part No JGS/C08

No	Check
2	



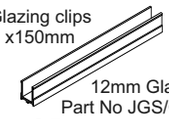
Glazing clips
x150mm

No	Check
8	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



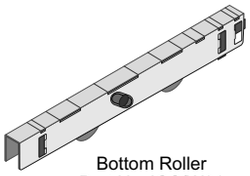
12mm Glass
Part No JGS/C12

Check

OR

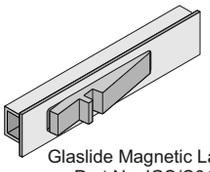
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
8	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
2	

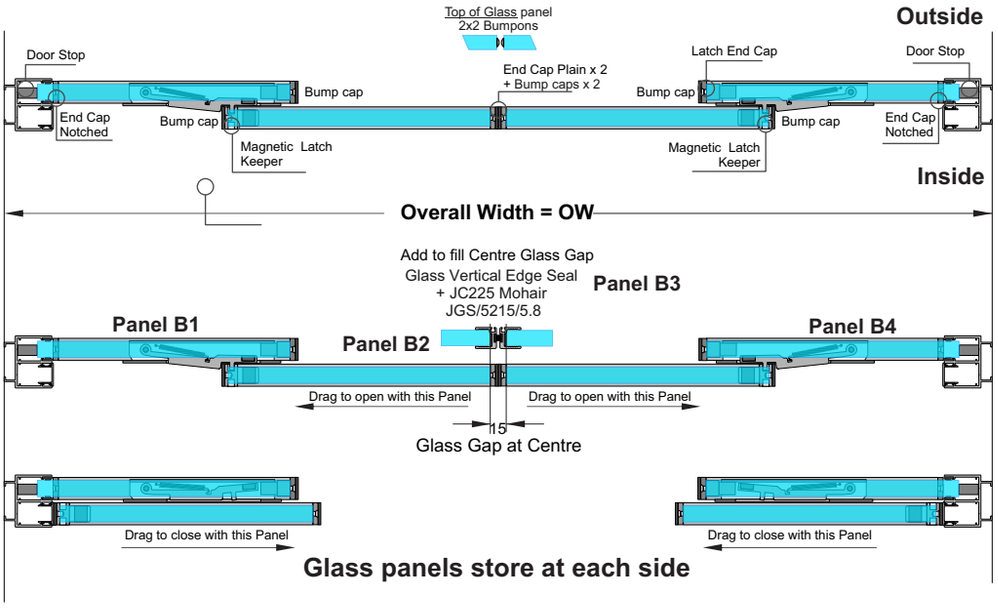
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Twin Track, 4 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout



Glass Panels x 4

Glass Panels, Width GW = OW/4 + 7
Glass Panels Height **GH** = OH -108 (typical)

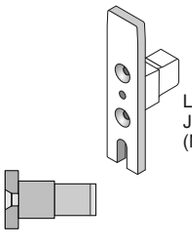
Bottom Rail Extrusion x 4

Bottom Rails, Widths (Sq ends)
2 x Panels, B1, **B4** = GW - 19
2 x Panels, B2, **B3** = GW - 5

Track Extrusions

1 x Twin Top Track = OW - 2 (Sq ends)
2 x Twin Side Tracks = OH -59
(Sq at Top, machined base)
1 x Twin Bottom Track = OW - 2 (Sq ends)

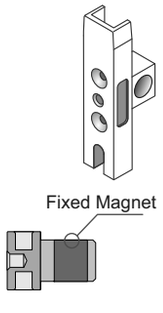
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
2	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
2	

End Cap, Bottom Rail
Plain
Part No JGS/C03

No	Check
2	

Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
6	

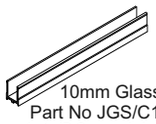
Wind Load Block
Part No JGS/C18
(If needed)

No	Check
8	

Check requirements

Circular Bumpons, Clear
Part No JGS/C08

No	Check
2	



Glazing clips x150mm

No	Check
8	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR

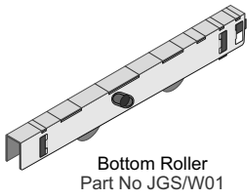
12mm Glass
Part No JGS/C12

Check

OR

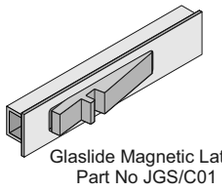
15mm Glass Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
8	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
2	

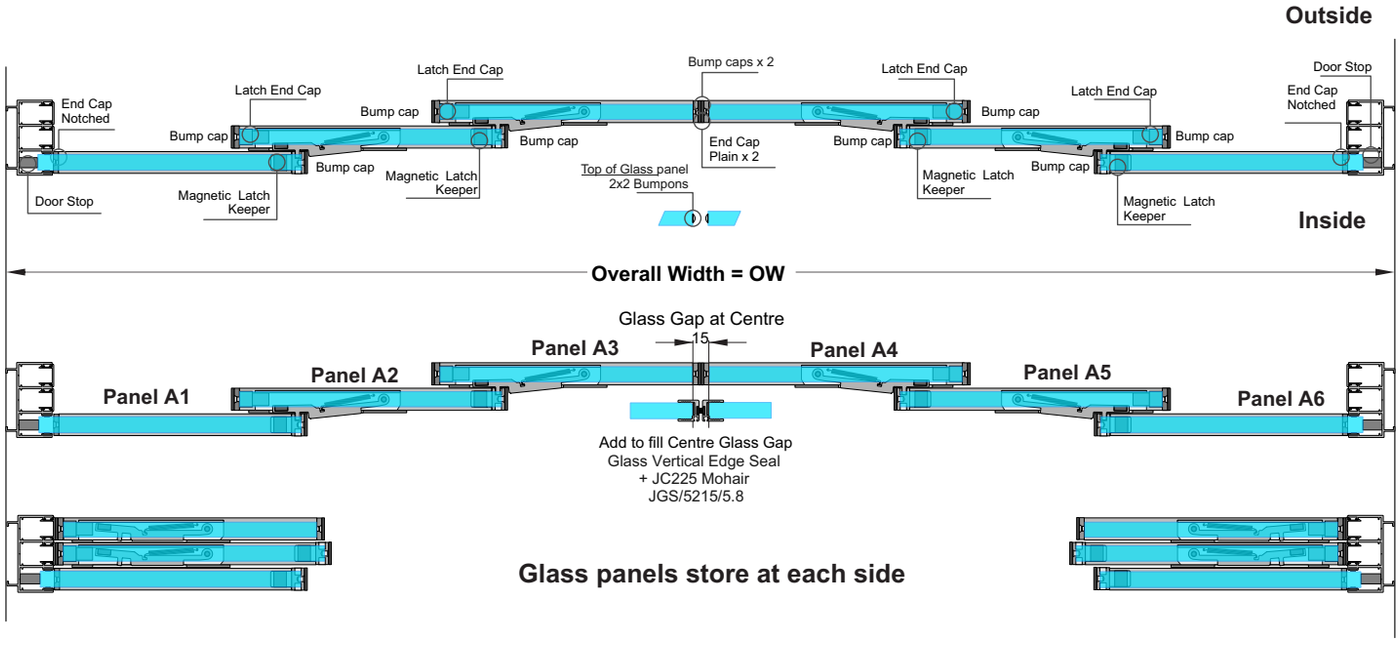
Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

1 x Triple Track, 6 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

A Layout



Glass Panels x 6

Glass Panels, Width GW = OW/6 + 22
Glass Panels Height **GH** = OH -108 (typical)

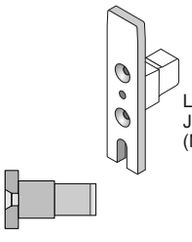
Bottom Rail Extrusion x 6

Bottom Rails, Widths (Sq ends)
2 x Panels, A1, **A6** = GW - 27
2 x Panels, A2, **A5** = GW - 5
2 x Panels, A3, **A4** = GW + 3

Track Extrusions

1 x Triple Top Track = OW - 2 (Sq ends)
2 x Triple Side Tracks = OH -59
(Sq at Top, machined base)
1 x Triple Bottom Track = OW - 2 (Sq ends)

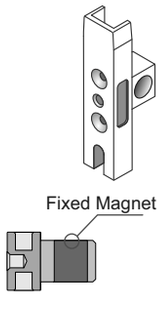
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
4	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
4	

End Cap, Bottom Rail
Plain
Part No JGS/C03

No	Check
2	

Use for 10mm, 12mm Glass

Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass

Check

End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
10	

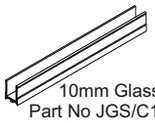
Wind Load Block
Part No JGS/C18
(If needed)

No	Check
12	

Check requirements

Circular Bumpons, Clear
Part No JGS/C08

No	Check
2	



Glazing clips x150mm

No	Check
12	

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR

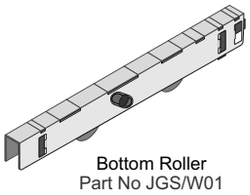
12mm Glass
Part No JGS/C12

Check

OR

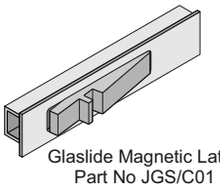
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

No	Check
12	



Glaslide Magnetic Latch
Part No JGS/C01

No	Check
4	

Juralco Glaslide™ Frameless Glass Sliding Panel System - Multiple Door Setouts
Extrusion Cutting, Glass Panel sizes and Component List

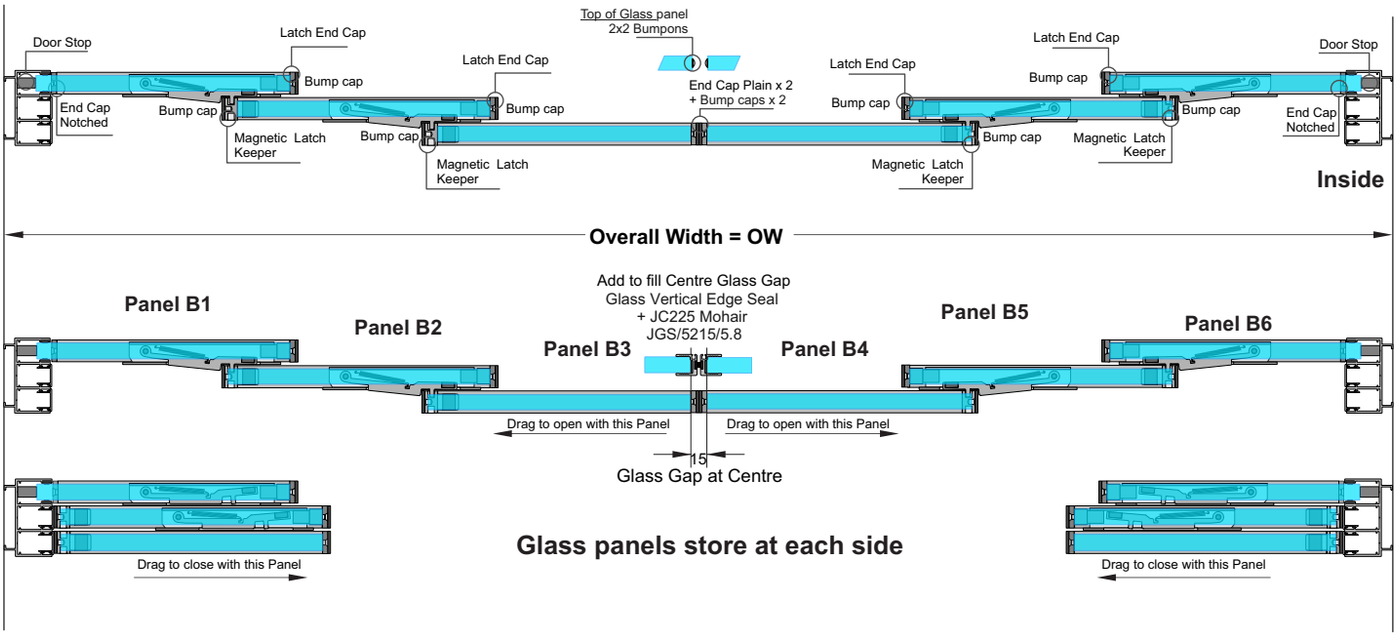
1 x Triple Track, 6 x Doors

Glass Panel widths all equal.
Handle optional
Security blocks optional

Magnetic Latch functions as a lock
Magnetic Latch always to the Inside.

B Layout

Outside



Glass Panels x 6

Glass Panels, Width **GW** = OW/6 + 22
Glass Panels Height **GH** = OH -108 (typical) See Glass Heights after this section

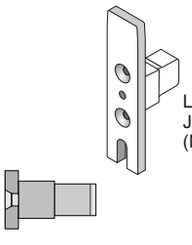
Bottom Rail Extrusion x 6

Bottom Rails, Widths (Sq ends)
2 x Panels, B1, **B6** = GW - 19
2 x Panels, B2, **B5** = GW - 5
2 x Panels, B3, **B4** = GW - 5

Track Extrusions

1 x Triple Top Track = OW - 2 (Sq ends)
2 x Triple Side Tracks = OH -59
(Sq at Top, machined base)
1 x Triple Bottom Track = OW - 2 (Sq ends)

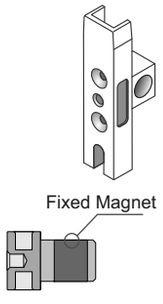
Locks the end of the Magnetic Latch in place



Latch End Cap
JGS/C02
(New - non Handed)

No	Check
4	

Has an enclosed Magnet (to be fixed in place by Installer)



Magnet latch Keeper JGS/C05
(New - non Handed)

Fixed Magnet

No	Check
4	

End Cap, Bottom Rail
Plain
Part No JGS/C03

No	Check
2	

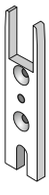
Use for 10mm, 12mm Glass
Check

End Cap, Bottom Rail
12mm Notch
Part No JGS/C04/12

OR

No	Check
2	

Use for 15mm Glass
Check



End Cap, Bottom Rail
15mm Notch
Part No JGS/C04/15

Door stop (Rubber)
Part No JGS/C07
Screw in place

No	Check
2	

Bump cap (Rubber)
Part No JGS/C09/BLACK
Push in place + Glue

No	Check
10	

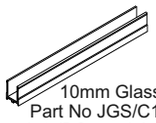
Wind Load Block
Part No JGS/C18
(If needed)

No	Check
12	

Check requirements

Circular Bumpons, Clear
Part No JGS/C08

No	Check
2	

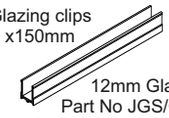


Glazing clips x150mm

10mm Glass
Part No JGS/C10
(note ID Grooves in base)

Check

OR



12mm Glass
Part No JGS/C12

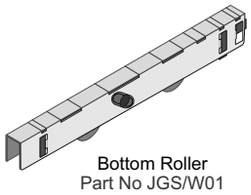
No	Check
12	

Check

OR

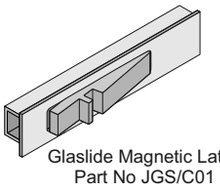
15mm Glass
Setting Block
Part No JGS/C15

Check



Bottom Roller
Part No JGS/W01

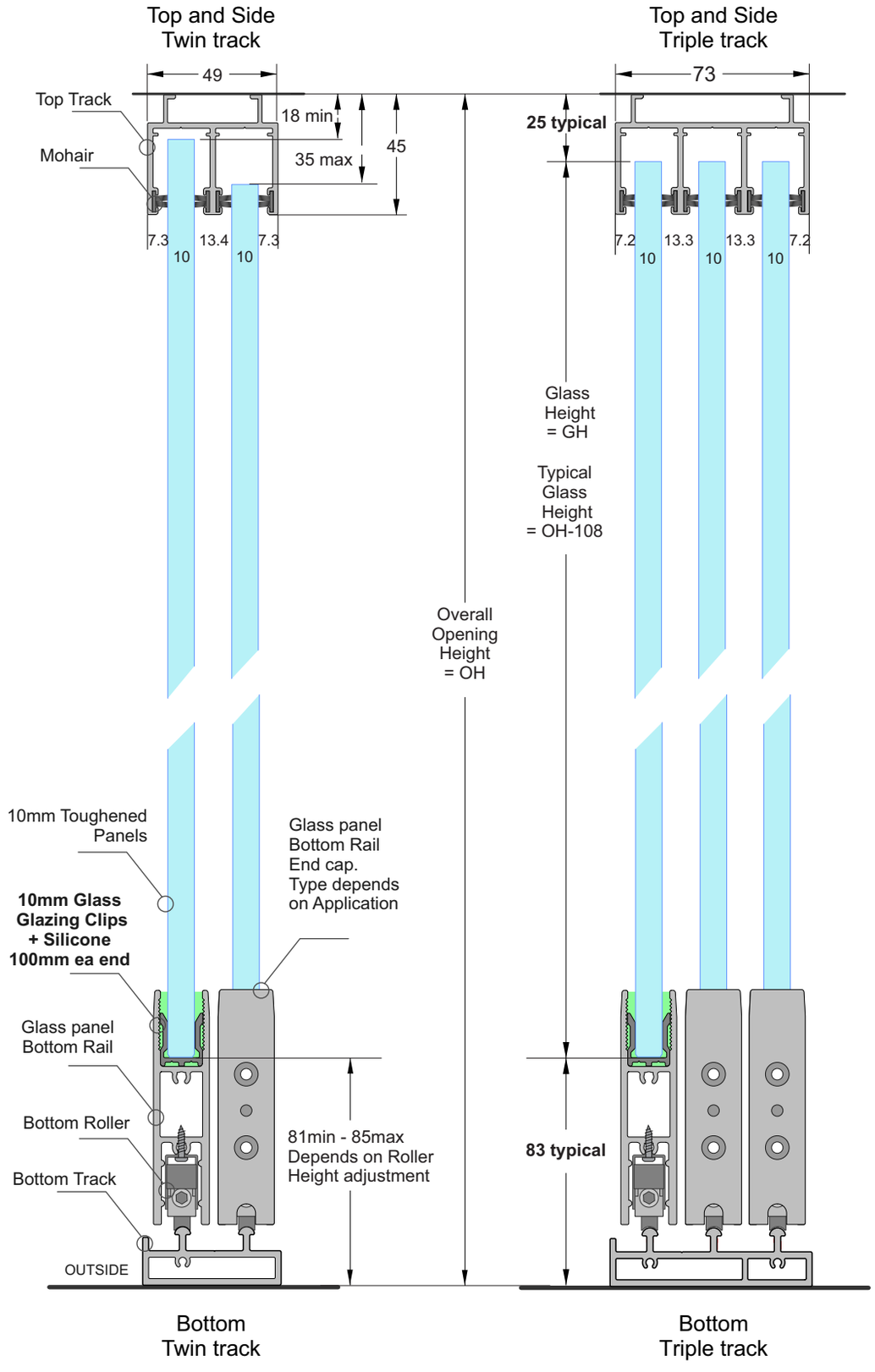
No	Check
12	



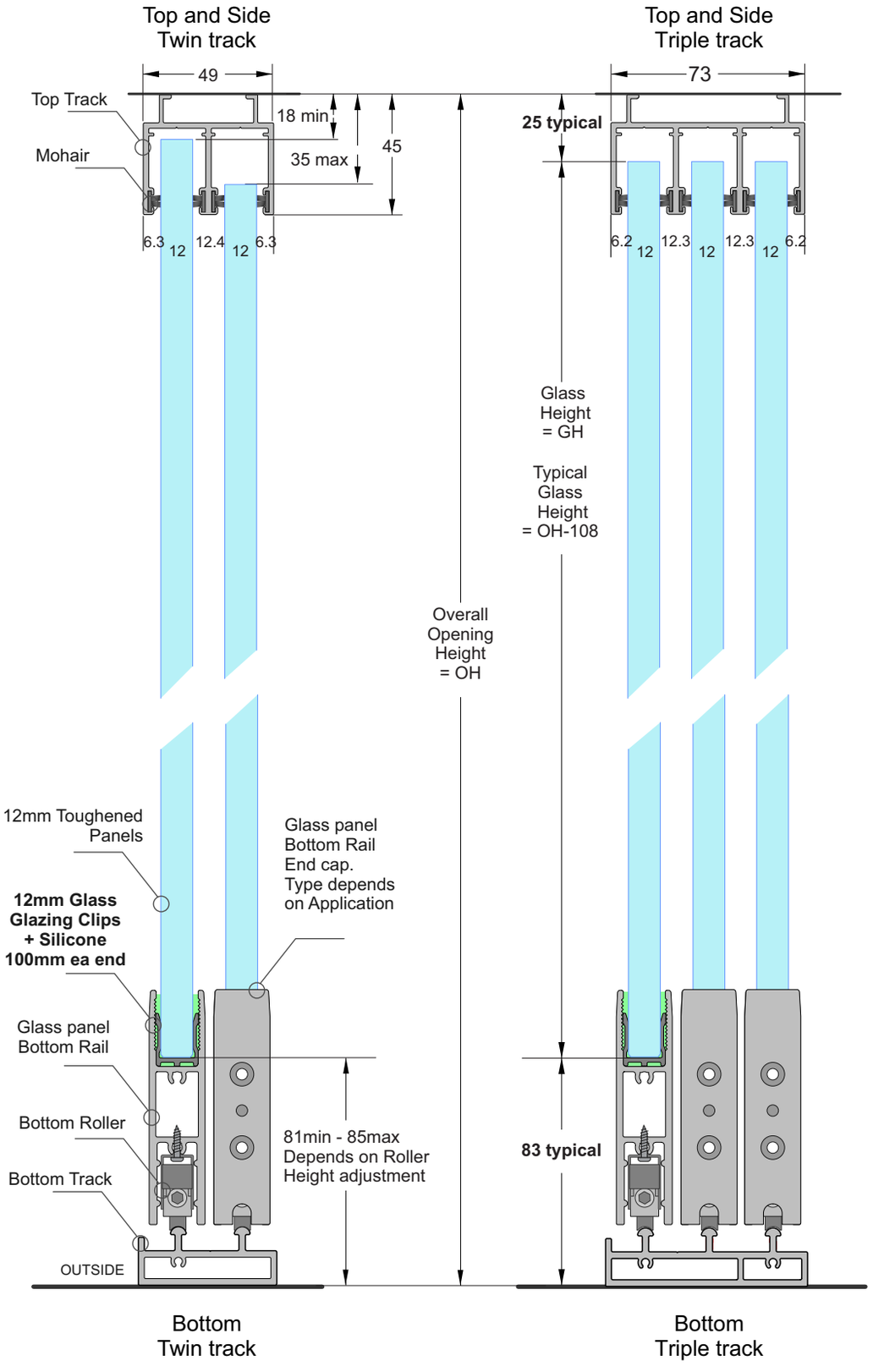
Glaslide Magnetic Latch
Part No JGS/C01

No	Check
4	

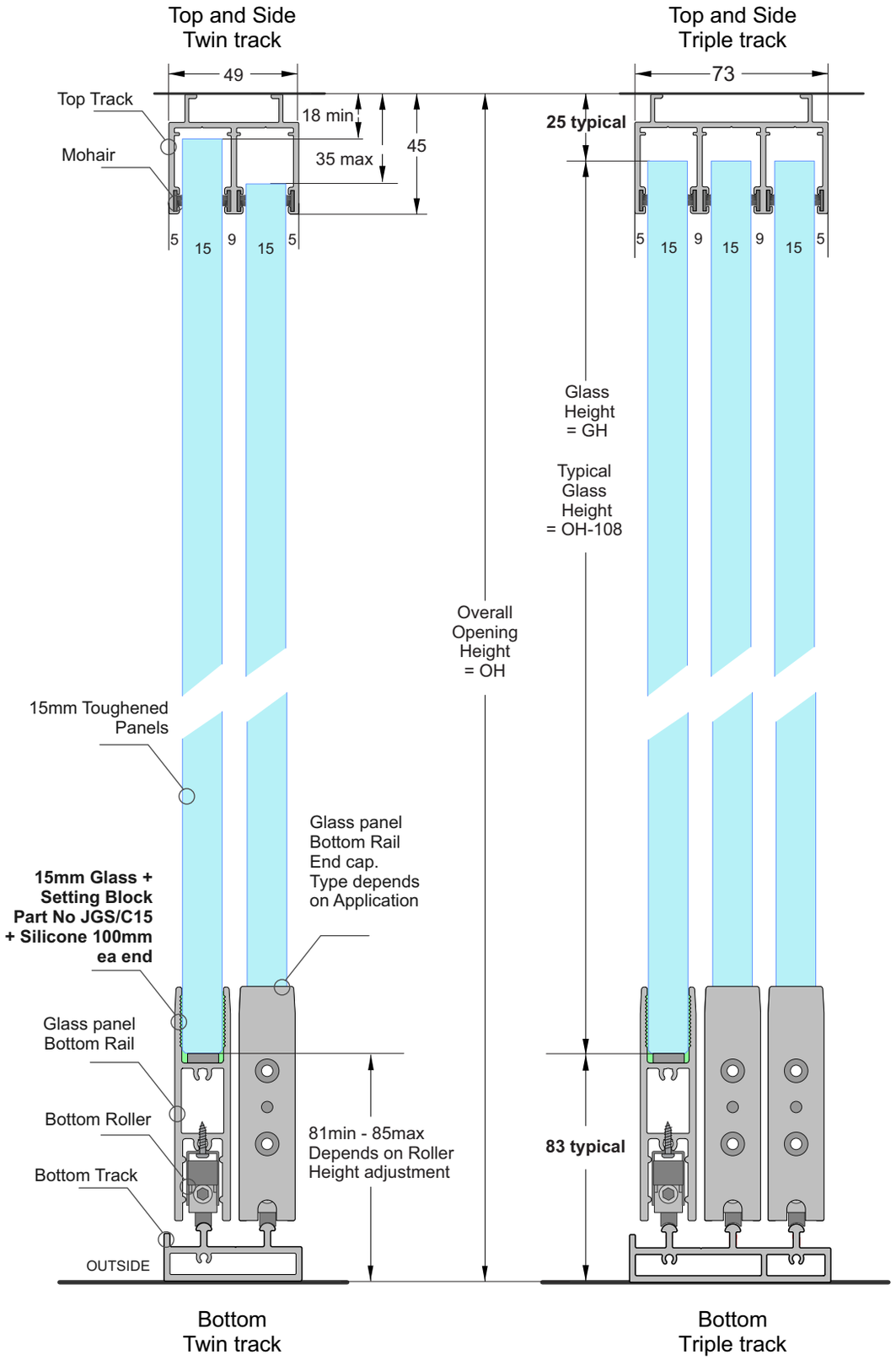
Juralco Glaslide™ Frameless Glass Sliding Panel System
Typical Setout - 10mm Toughened Glass - Dimensions



Juralco Glaslide™ Frameless Glass Sliding Panel System
Typical Setout - 12mm Toughened Glass - Dimensions



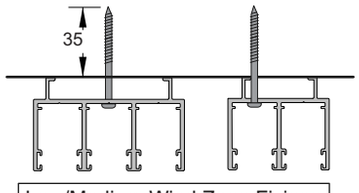
Juralco Glaslide™ Frameless Glass Sliding Panel System
Typical Setout - 15mm Toughened Glass - Dimensions



Juralco Glaslide™ Frameless Glass Sliding Panel System - Fixing Schedule Table

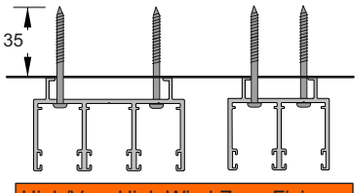
Typical Overall Height, mm	Glass Panel Height, mm	Max Glass Width,mm	Track Type	Fixings For Tracks	Screw Fixing Spacing Tables, for Wind Zones			
					Low	Medium	High	Very High
Up to 2108	Up to 2000	1100	Twin or Triple	Top/Side	500mm	450mm	400mm	300mm
				Bottom			400mm	300mm
Up to 2508	2001 to 2400	1100	Twin or Triple	Top/Side	500mm	450mm	300mm	300mm
				Bottom			300mm	300mm
Up to 2908	2401 to 2800	1100	Twin or Triple	Top/Side	450mm	400mm	300mm	NA
				Bottom			300mm	
Up to 3108	2801 to 3000	1000	Twin or Triple	Top/Side And Bottom	450mm	400mm	NA	NA

Screw fixing Notes:
Timber Fixings - Track attach Screws 10g SS, Wood Screws, min 35mm engagement into Timber,
Concrete Fixings - Track attach Screws 10g SS, min into Hilti HUD-1 6 x 30 Plasric Anchor plug, or similar
- Orange code above = Double row fixing



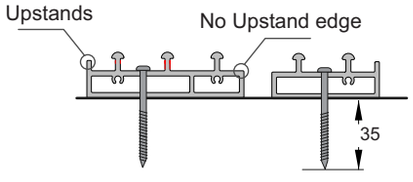
Low/Medium Wind Zone Fixings
Single Row

Top and Side Track



High/Very High Wind Zone Fixings
Double Row, Staggered

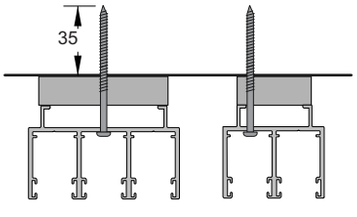
Top and Side Track



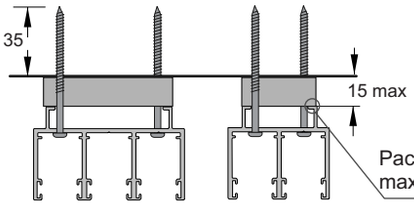
All Wind Zone Fixings
Single Row

Bottom Track

Important Installation Note- Bottom Tracks:
If using multiple Tracks always orient the tracks so the edges having No upstands are butted together.



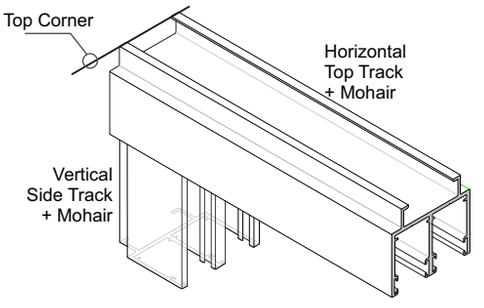
Solid Packers - 15mm Max



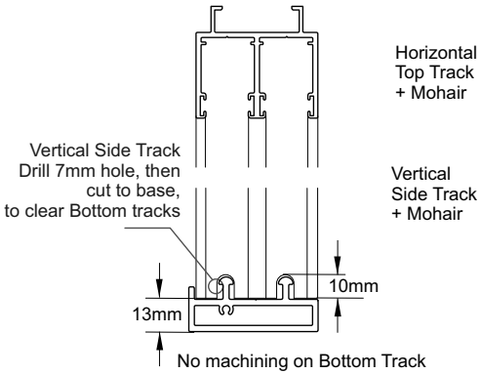
Solid Packers - 15mm Max

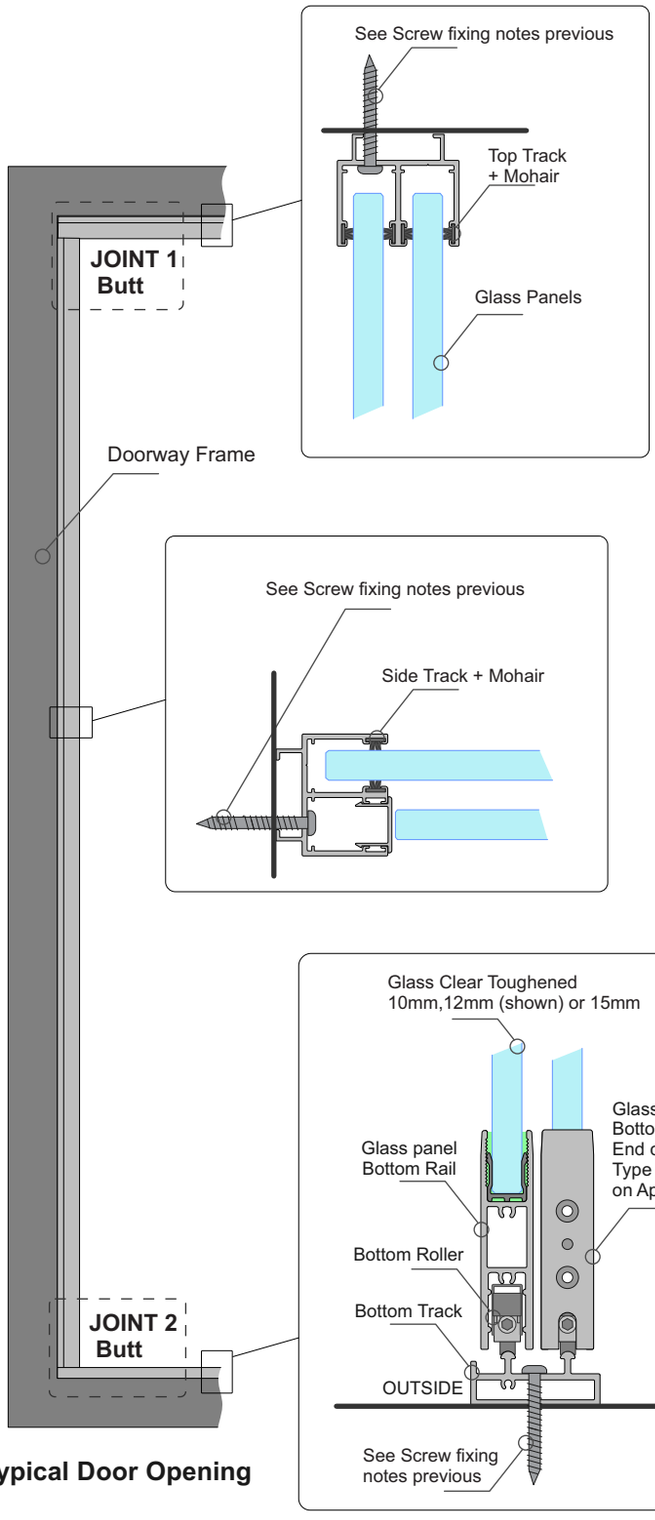
Note: Triple Track exactly the same details

Joint 1 - Top Corner Butt Joint Twin Track



Joint 2 - Bottom Corner Butt Joint Machining

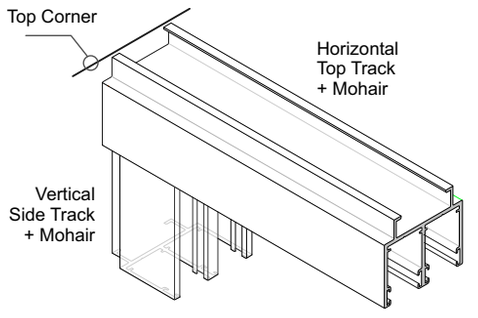




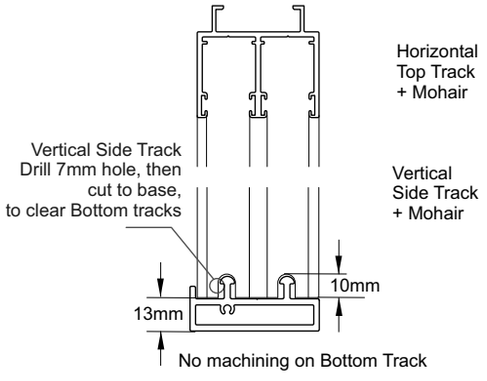
Typical Door Opening

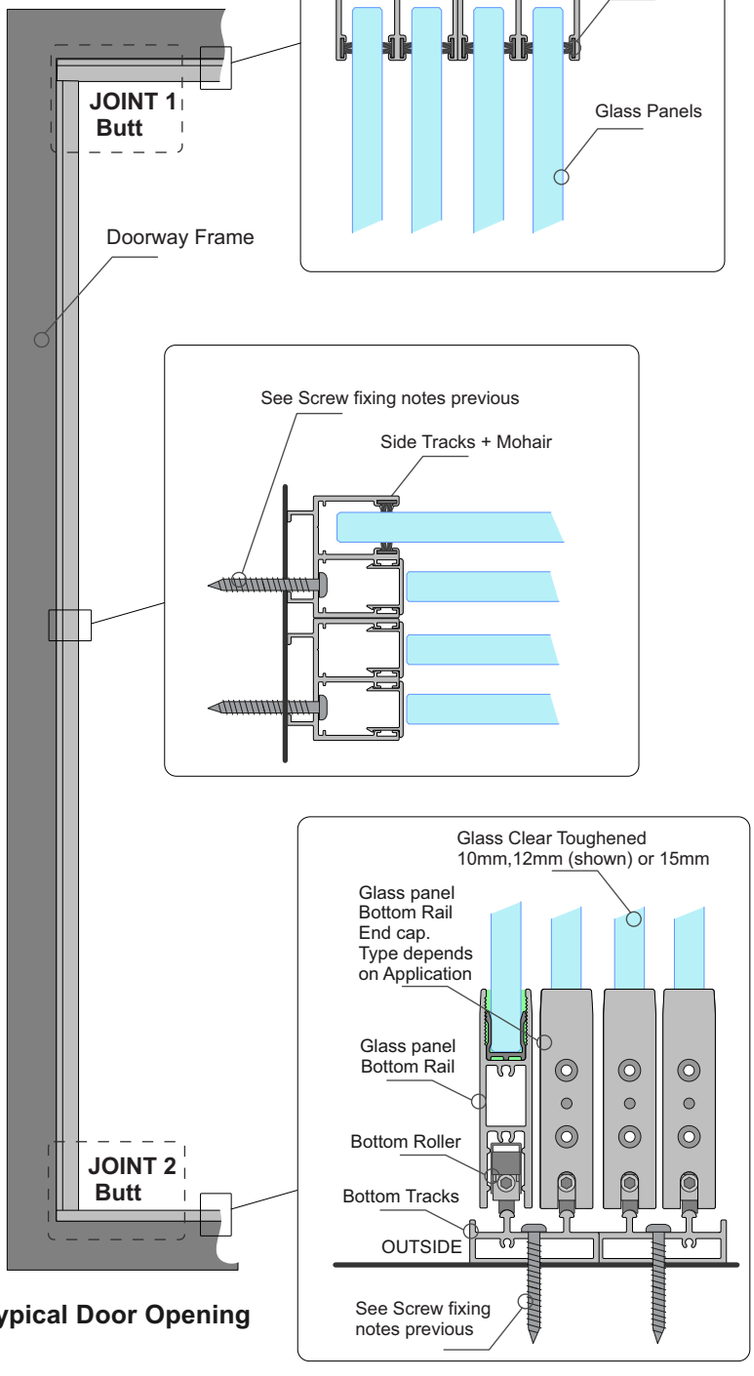
Note: 1 x Twin +Triple Track and 2 x Triple Tracks exactly the same details

Joint 1 - Top Corner Butt Joint Twin Track



Joint 2 - Bottom Corner Butt Joint Machining

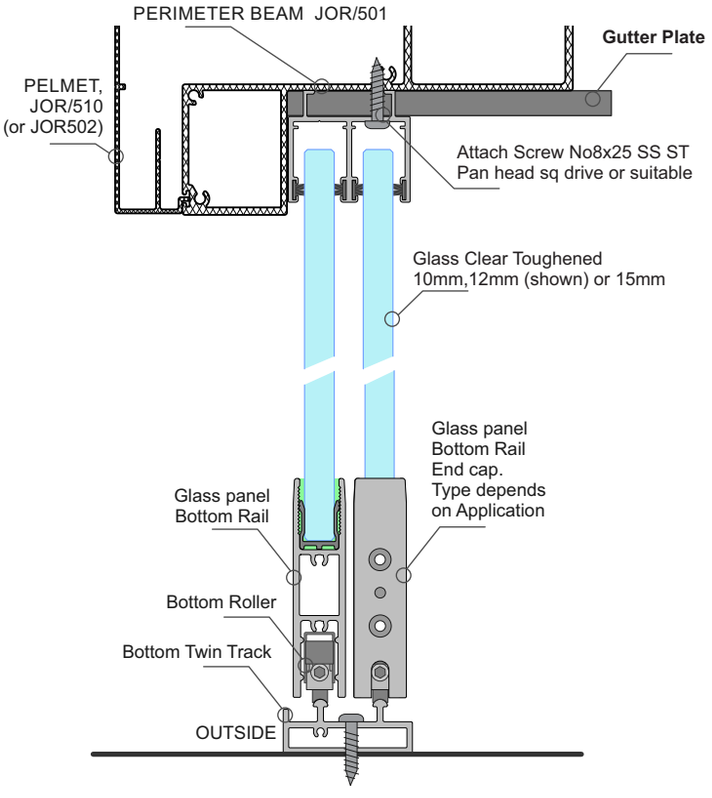


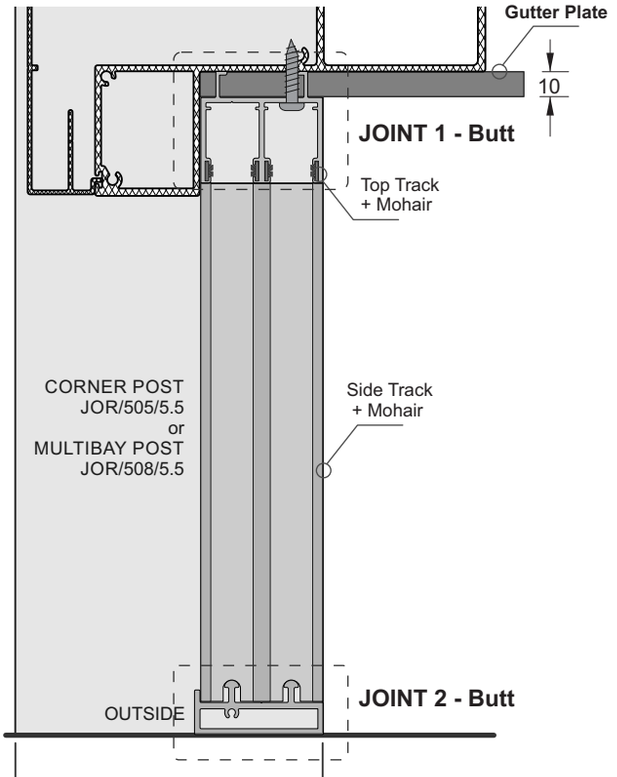


Typical Door Opening

Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. Twin Track - Internal Mount

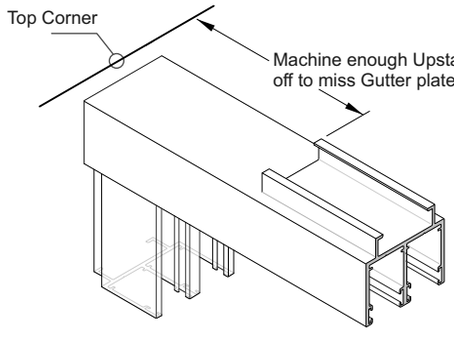
Important Note - The Internal Mount option cannot be used if a Gutter Box is situated at either end. Gutter Plates OK



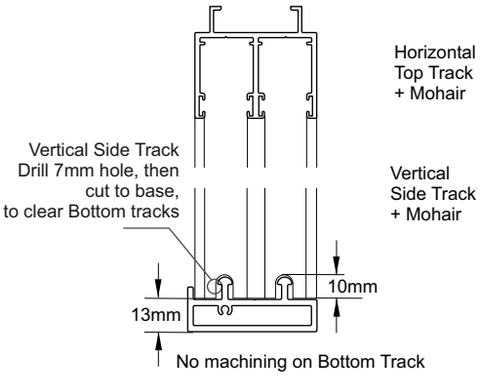


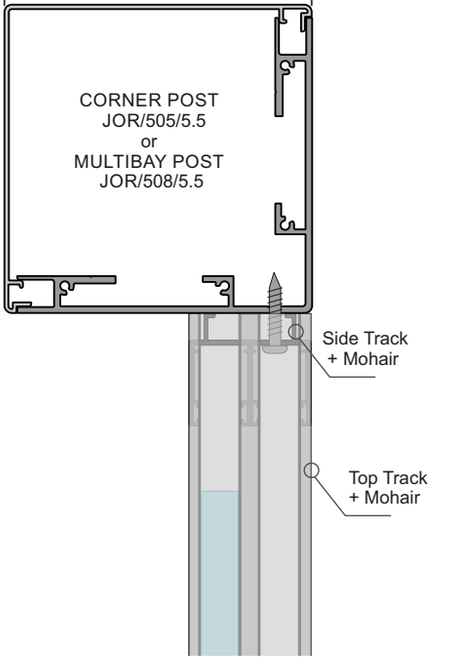
End View, incl Post

Joint 1 - Top Corner Butt Joint -Twin Track
Secure TwinTracks to Top and Side Door Frames



Joint 2 - Bottom Corner Butt Joint Machining

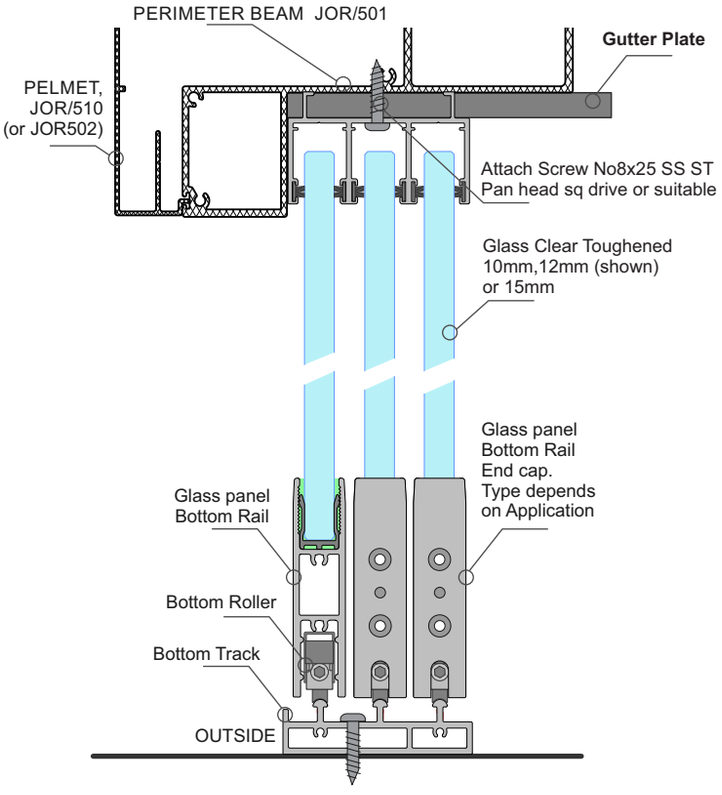


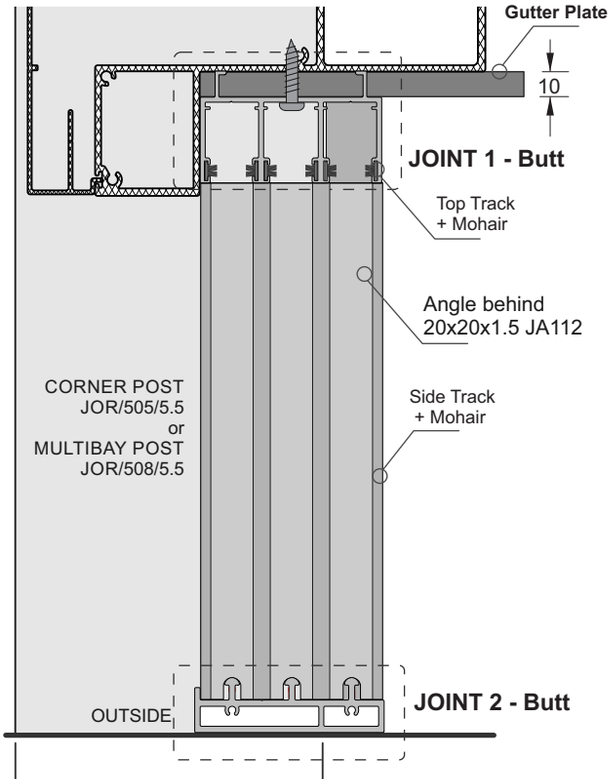


Top View, incl Post

Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. Triple Track - Internal Mount

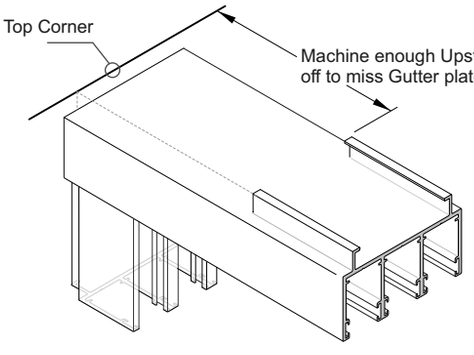
Important Note - The Internal Mount option cannot be used if a Gutter Box is situated at either end. Gutter Plates OK



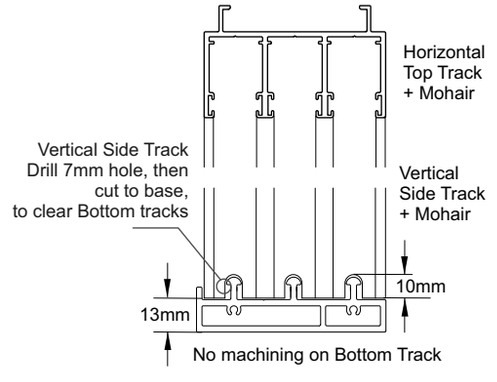


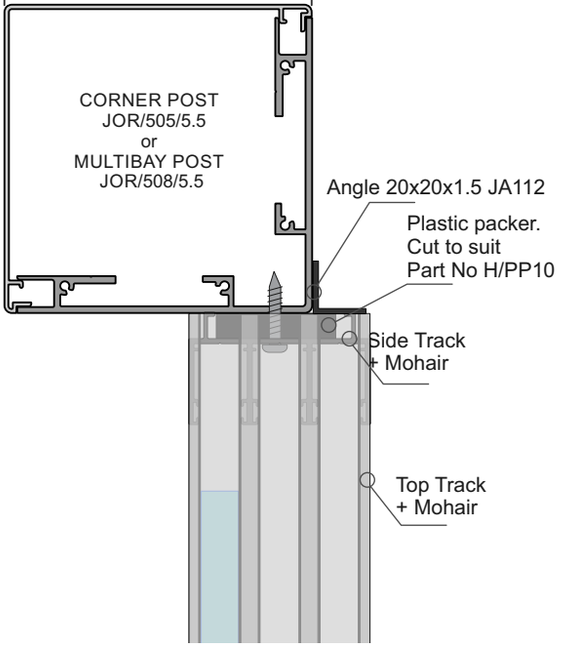
End View, incl Post

Joint 1 - Top Corner Butt Joint -Triple Track
Secure Triple Tracks to Top and Side Door Frames



Joint 2 - Bottom Corner Butt Joint Machining

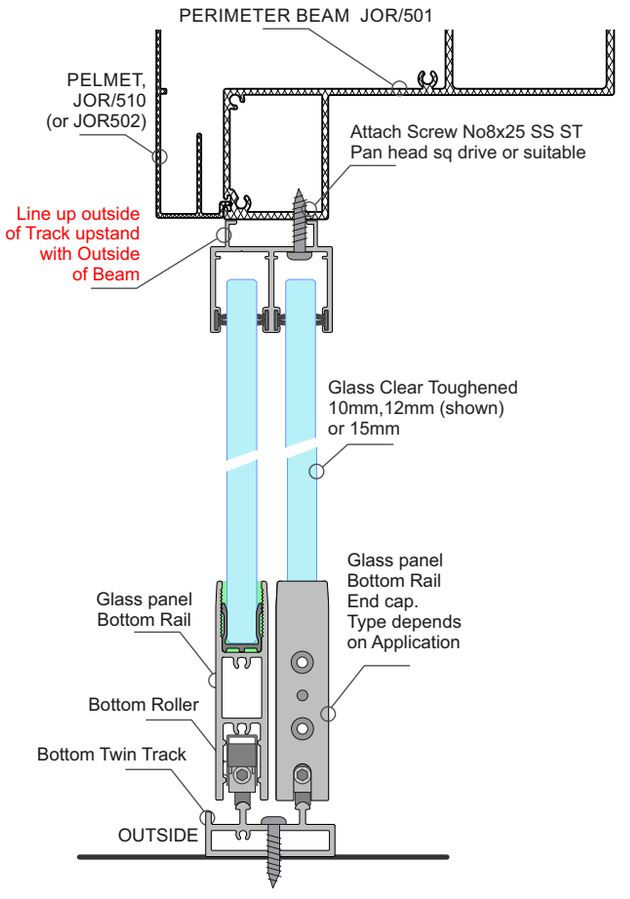


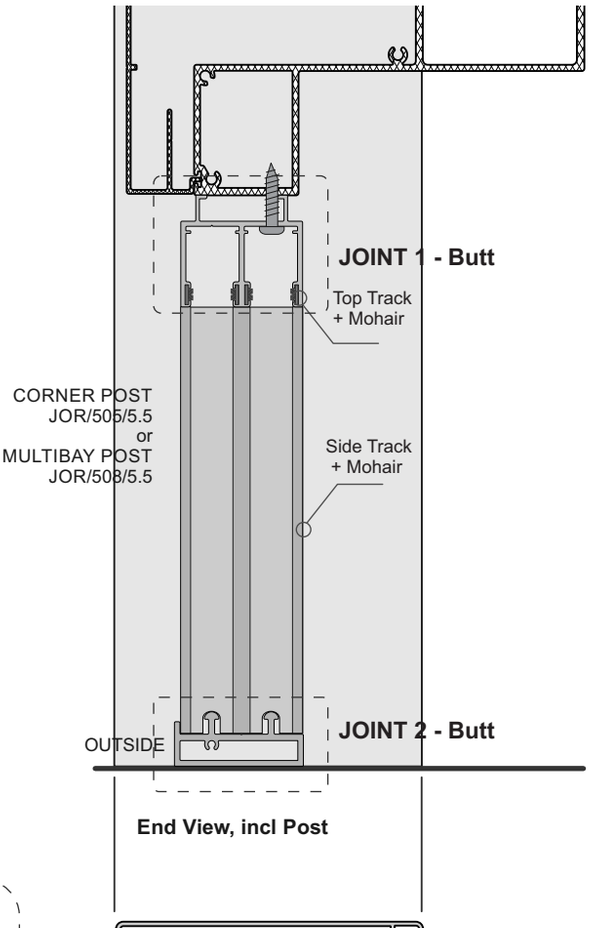


Top View, incl Post

Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. Twin Track - External Mount

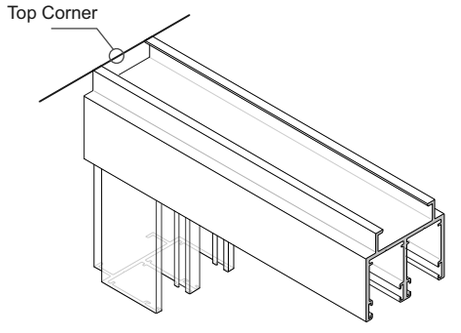
Important Note - The External Mount option must be used if a Gutter Box is situated at either end



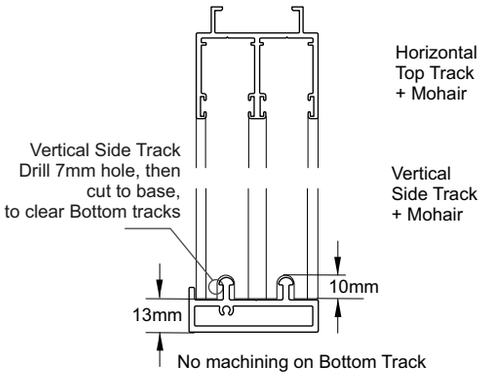


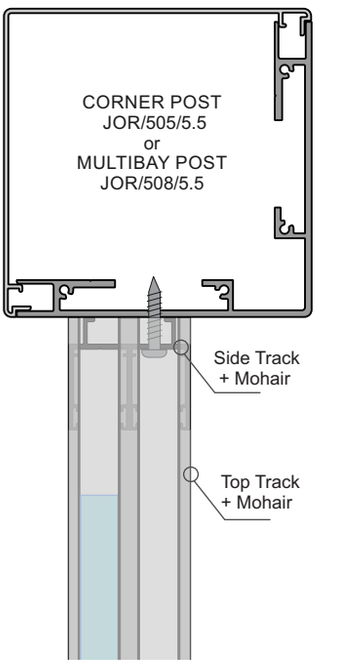
End View, incl Post

Joint 1 - Top Corner Butt Joint -Twin Track
Secure TwinTracks to Top and Side Door Frames



Joint 2 - Bottom Corner Butt Joint Machining

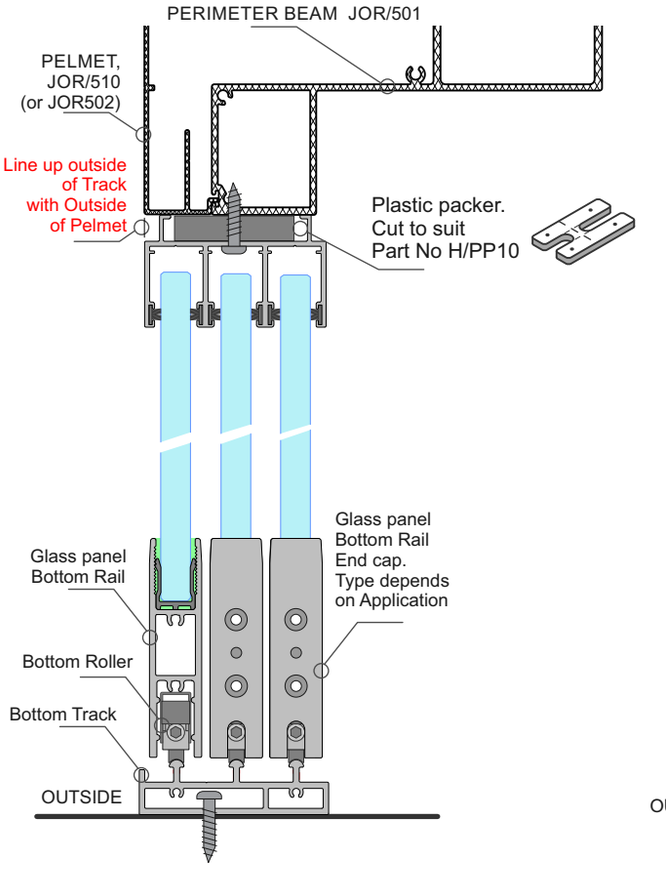


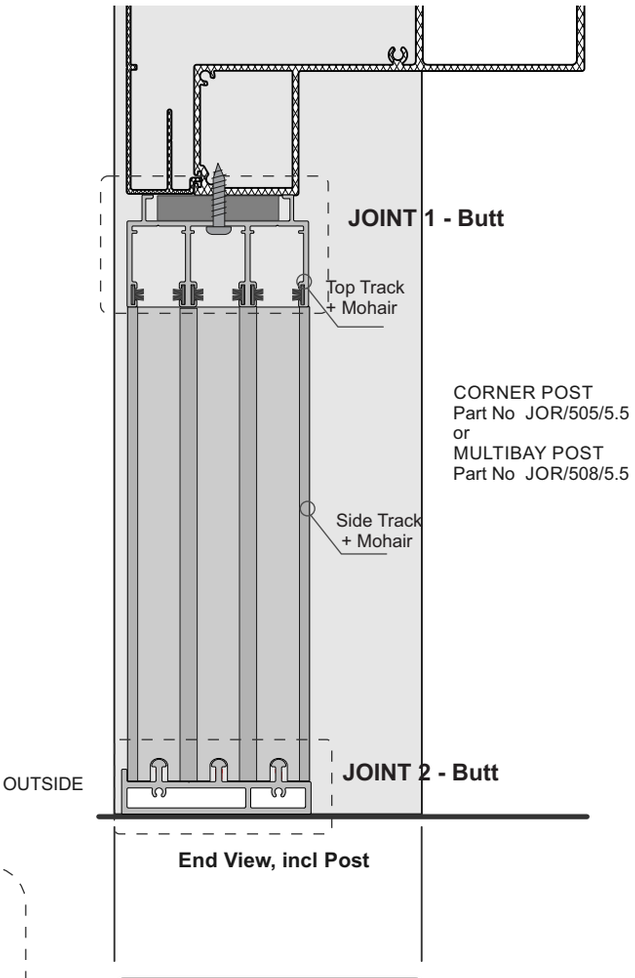


Top View, incl Post

Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. 1 x Triple Track - External Mount

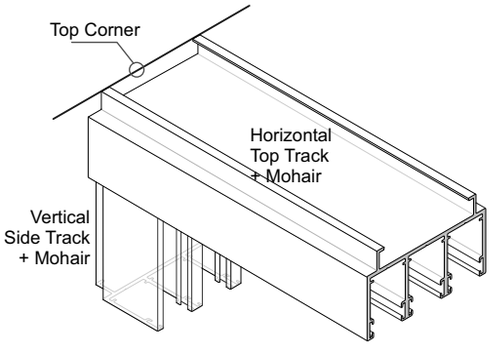
Important Note - The External Mount option must be used if a Gutter Box is situated at either end



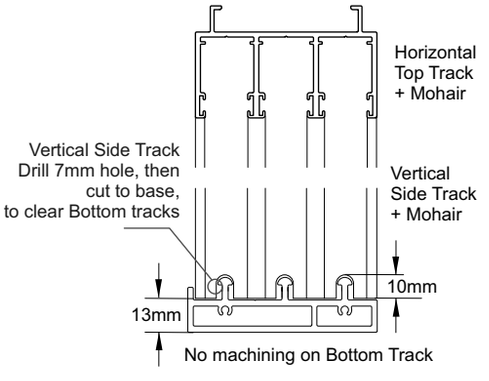


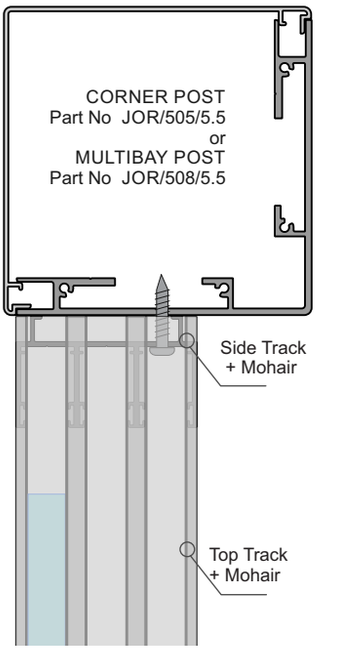
End View, incl Post

Joint 1 - Top Corner Butt Joint - (Triple Track shown)
Secure Tracks to Top and Side Frames



Joint 2 - Bottom Corner Butt Joint Machining

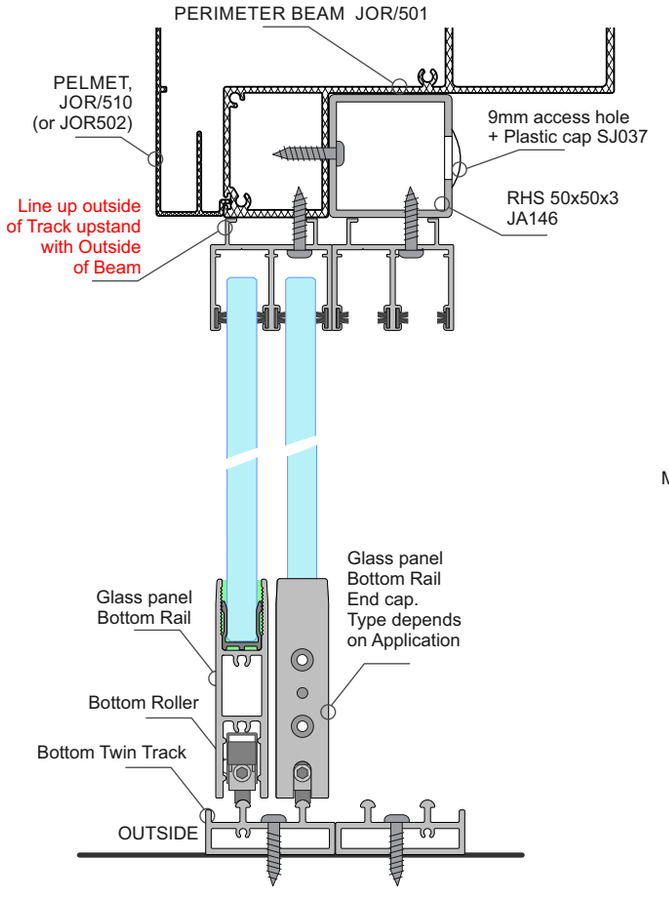


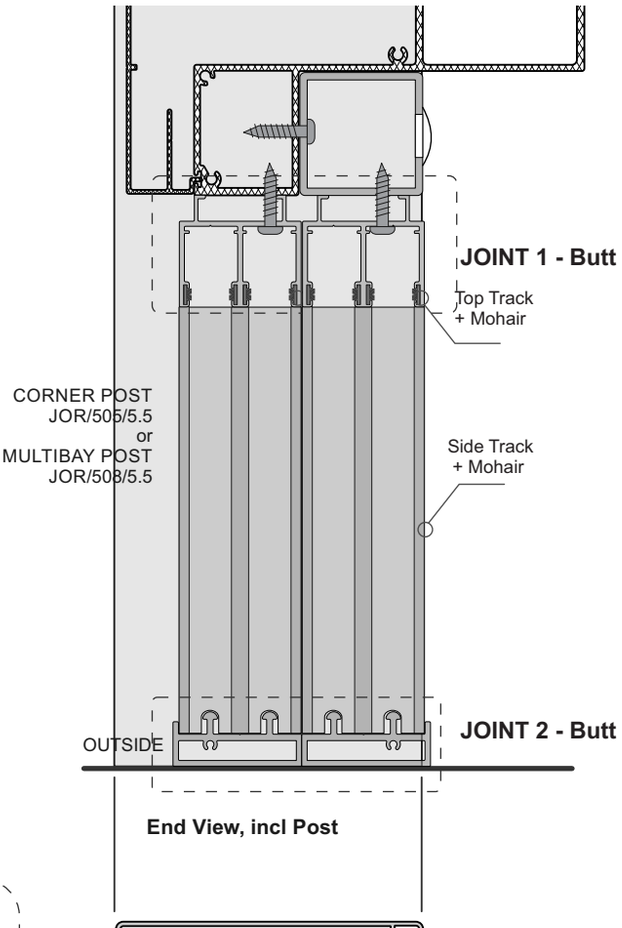


Top View, incl Post

All pages © Copyright Juralco Aluminium Building Products Ltd, 2019

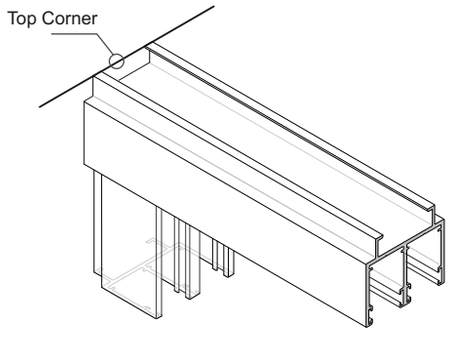
Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. 2 x Twin Tracks - External Mount Only



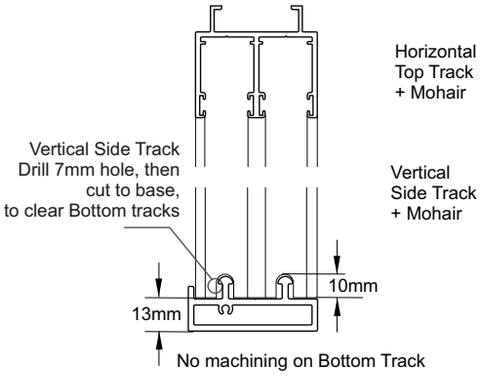


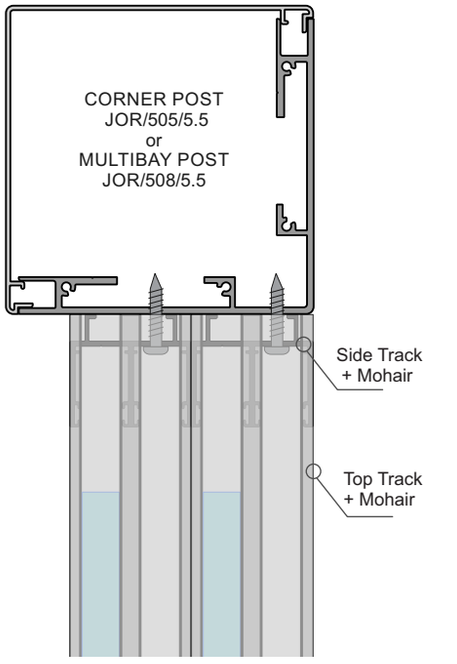
End View, incl Post

Joint 1 - Top Corner Butt Joint -Twin Track
Secure TwinTracks to Top and Side Door Frames



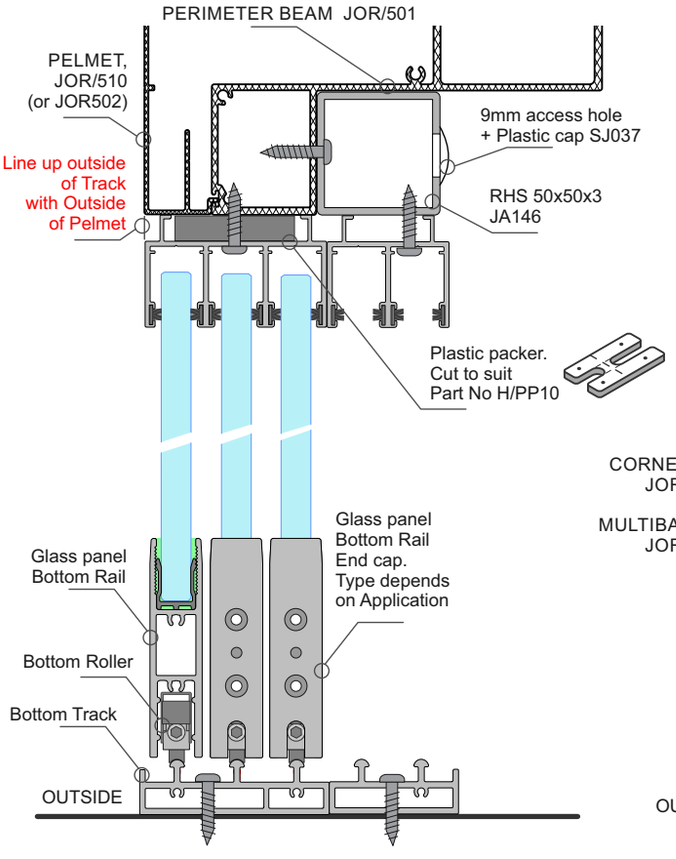
Joint 2 - Bottom Corner Butt Joint Machining

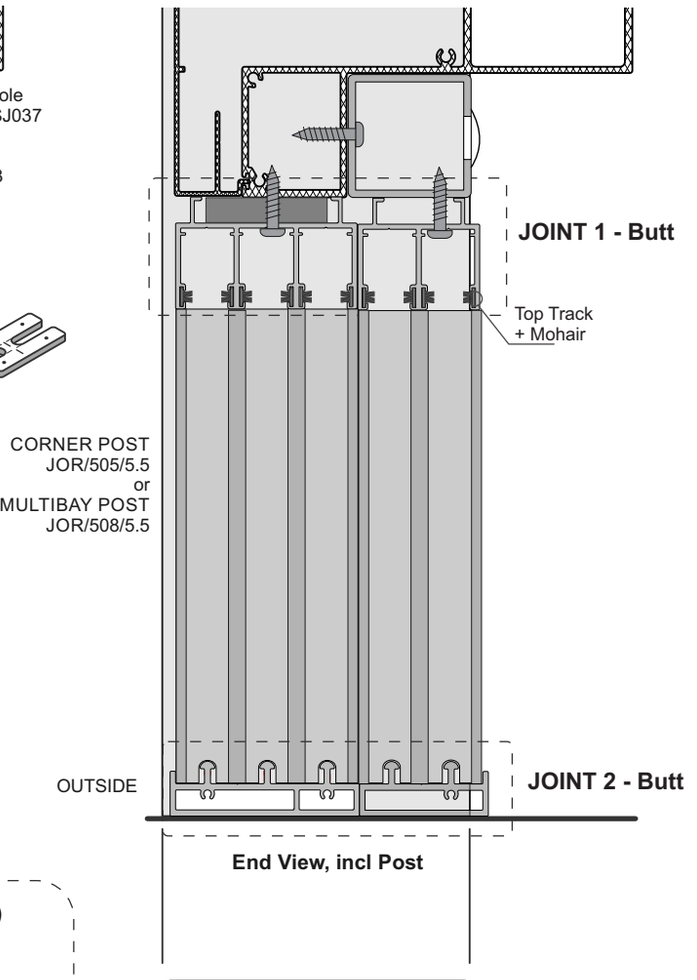




Top View, incl Post

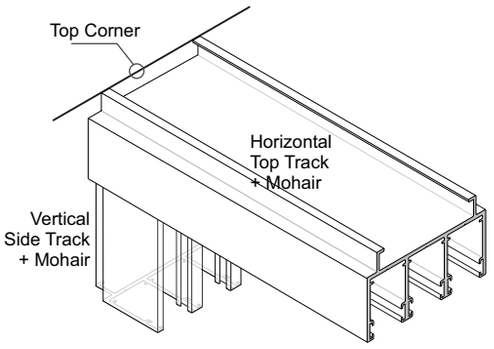
Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. 1 xTwin + Triple Track - External Mount Only



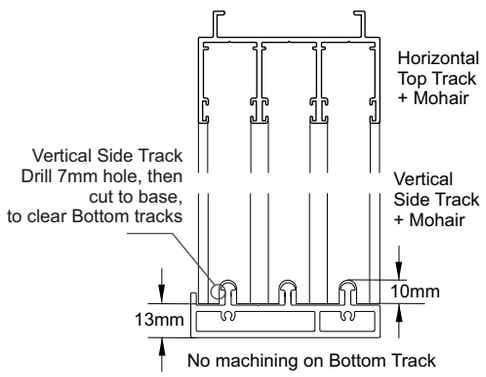


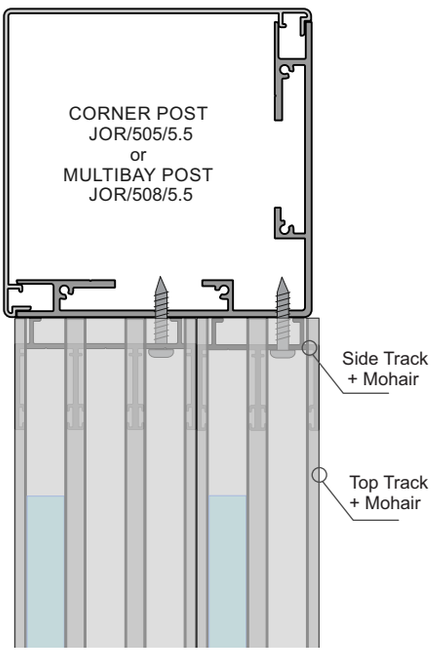
End View, incl Post

Joint 1 - Top Corner Butt Joint - (Triple Track shown)
Secure Tracks to Top and Side Frames



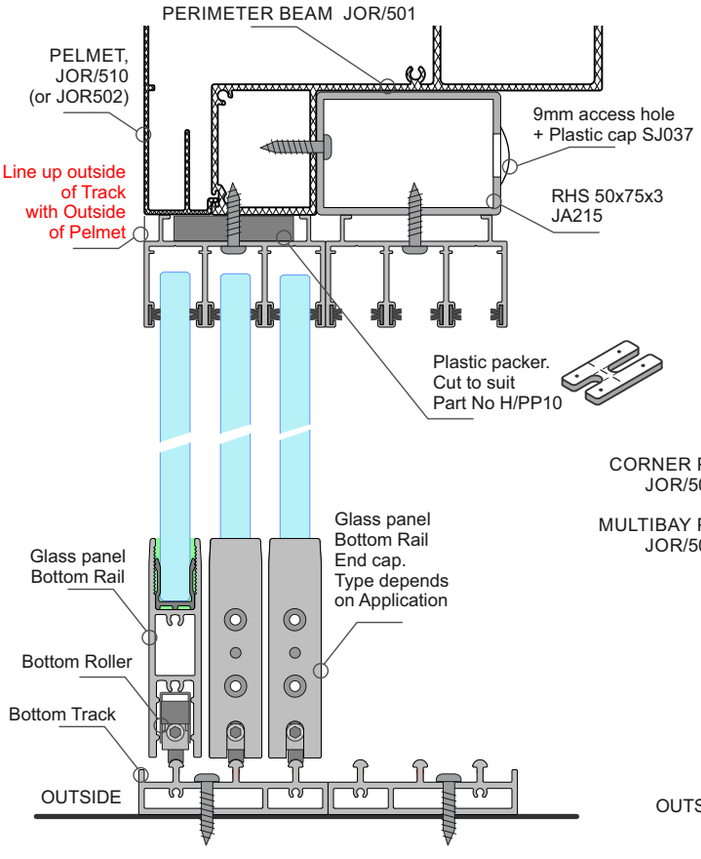
Joint 2 - Bottom Corner Butt Joint Machining

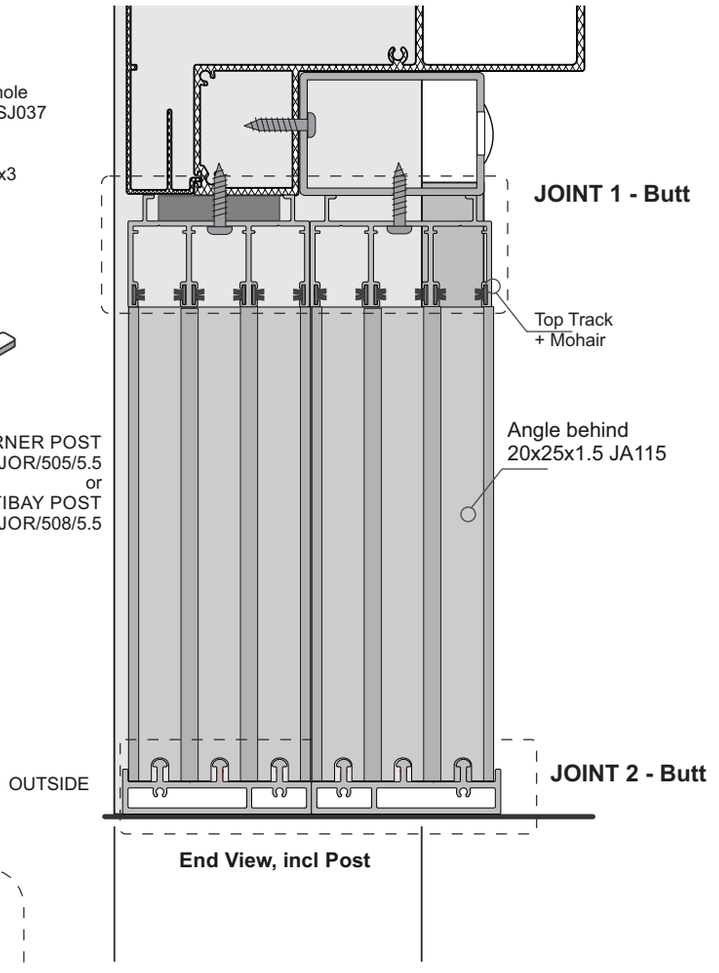




Top View, incl Post

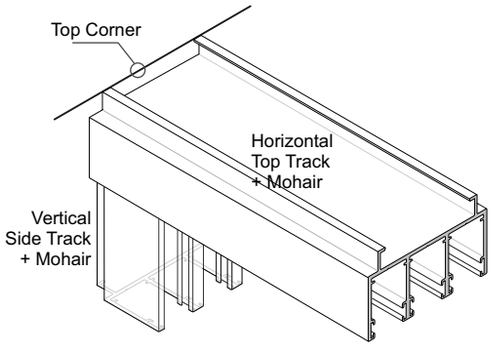
Juralco Glaslide™ Frameless Glass Sliding Panel System - Typical Setout, Machining
Juralco Bask® Outdoor Living System. 2 x Triple Tracks - External Mount Only



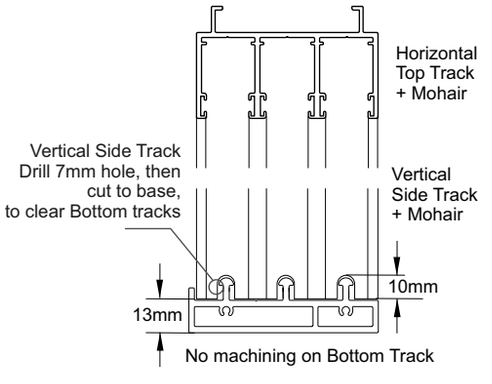


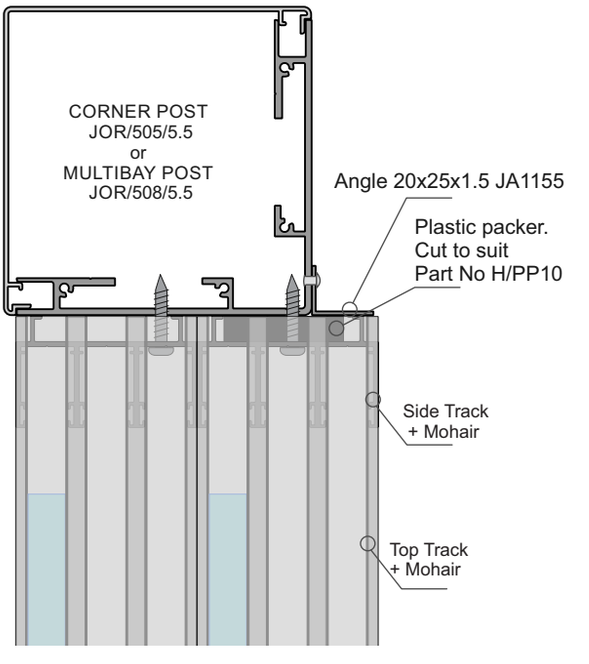
End View, incl Post

Joint 1 - Top Corner Butt Joint - (Triple Track shown)
Secure Tracks to Top and Side Frames



Joint 2 - Bottom Corner Butt Joint Machining





Top View, incl Post

Juralco Glaslide™ Frameless Glass Sliding Panel System
Installation Tips

Glaslide Installation Tips

1 - Install Top, Bottom and Side tracks ensuring that they are as square and as plum as possible as this will make adjustments easier and faster. Especially important is getting the Bottom Track very level. Use Packers if necessary.
Note:If using multiple Tracks always orient the tracks so the edges having No upstands are butted together.

2 - When mating the Glass and Bottom Rail channel together make sure that the glass is fully seated into the Channel + Glazing Clips (10mm and 15mm Glass only) and as this will cause problems when adjusting the panels.
Make sure you get the glass as plumb as possible before using the wheels for adjustment.
The wheel should be used for fine adjustments only.

3 - Once all the panels have been installed the wheels can be used for minor adjustments. If you adjust the wheels too far then the latch will go out of alignment and will not latch properly.

4 - If using the Wind Load blocks, remove the End plates and fit at each end of the Bottom Rail.

5 - Once all the steps are complete silicone the glass into place and test to make sure that all the panels latch and stack together all to one side in a uniform fashion.

Glass Cleaning and Maintenance

Architectural glass products must be properly cleaned during the construction period so visual and aesthetic clarity are maintained. Because glass can be permanently damaged if improperly cleaned, glass producers and fabricators recommend strict compliance with the following procedures.

First, determine whether the glass is clear, tinted or reflective. Surface damage is more noticeable on reflective glass compared with the other glass products. If the reflective coated surface is exposed, either on the exterior or interior, special care must be taken when cleaning, as scratches can result in coating removal and a visible change in light transmittance. Cleaning tinted and reflective glass in direct sunlight should be avoided. Cleaning should begin at the top of the building and continue to the lower levels.

Commence cleaning by soaking the glass surfaces with clean water and a soap solution to loosen dirt or debris. Then, using a mild, non-abrasive commercial window washing solution, uniformly apply the solution to the glass surfaces with a non-abrasive applicator and follow with a squeegee to remove all of the cleaning solution from the glass surface.

Ensure that no metal parts of the cleaning equipment touch the glass surface and that no abrasive particles are trapped between the glass and the cleaning materials. All water and cleaning solution residue should be dried from the window gaskets, sealants and frames.

Scratches and Metal Scrapers

Scratches can occur from hard pointed objects or poor handling, but most often occurs from the careless removal of foreign matter from the glass surface.

Mortar splatter and paint are common offenders and efforts to remove after hardening almost always lead to surface damage. It is essential that the foreign materials are removed before they harden. Better still, if construction work continues after glazing, that the glazed areas are protected by adhesive plastic films or suitable tarpaulins or covers.

One of the common mistakes made by non-glass trades people, including glass cleaning contractors, is the use of razor blades or other metal scrapers on a large portion of the glass surface. Using large blades to scrape a window clean carries considerable risk of causing damage to the glass.

The glass industry, fabricators, distributors and installers neither condones nor recommends any scraping of glass surfaces with metal blades or knives. Such scraping usually permanently damages or scratches the glass surfaces. When paint or other construction materials cannot be removed with normal cleaning procedures, a new 25mm razor blade may have to be used. The razor blade should be used on small spots only. Cleaning should be done in one direction only. Never scrape in a back and forth motion as this could trap particles under the blade that could scratch the glass.

Blades or scrapers can dislodge “pickup” on toughened glass. There are fine particles of glass that are fused on to the surface during toughening. Once dislodged they can scratch the glass.

Glass Cleaning, Do’s and Don’ts

DO NOT..

- Do Not - Use Scrapers of any type or size on a Glass surface
- Do Not - Leave building dirt or residues to remain on Glass for a period of time.
- Do Not - Begin cleaning glass until you have identified the surface type.
- Do Not - Clean Glass surfaces in direct sunlight.
- Do Not - Allow dirty water or cleaning residues to remain on the Glass.
- Do Not - Begin cleaning before rinsing off a loose residues.
- Do Not - Use abrasive cleaning solutions, materials or solvents.
- Do Not - Allow metal parts of the cleaning equipment to come in contact with the Glass.
- Do Not - Trap abrasive particles between the cleaning material and the Glass.

DO...

- Clean glass promptly when dirt or building residues appear.
- Determine glass surface type.
- Exercise special care when cleaning coated surfaces.
- Avoid cleaning glass surfaces in direct sunlight.
- Start cleaning at the top of a building, then continue to lower levels.
- Soak the glass surface in a clean soapy solution before cleaning.
- Use a mild non abrasive commercial cleaner.
- Use a squeege to remove all cleaning solution.
- Try your procedures on a small window and check.
- Caution other trades re the care and protection of the glass surfaces.

Residues of surface grit may be present from the toughening production process.
These grit particles must not be dragged across the surface.
NEVER use Metal Scrapers

All above reprinted with permission from Metro Glass Tech

Powder Coating Installation Care

Warning re use of solvents:
- In some cases strong solvents are recommended for thinning various types of paints and also for cleaning up mastics and sealants.
- These can be harmful to the extended life of the powder coated surface, and must not be used for cleaning purposes.
- It is important to note that the damage will not be visible immediately and may take up to l2 months to develop.

If paint splashes or sealants and mastics need to be removed then the following may be safely used:
Methylated Spirits, Ethyl Alcohol, Isopropanol or preferably a mild detergent in warm water.

Joinery Protection during Installation:
All the activity on a construction site means that your powder coated items may get knocked or scratched, splattered with mortar, plaster, textured coating or paint during the later stages of construction.

Please ensure that all powder coated articles are masked or covered at this time. It is far easier to prevent accidents than to try and correct them. Should your joinery receive mortar or paint splashes see that these are removed before cure and follow the instructions contained in this brochure.

Typical sticker used to warn other trades of the need to protect and mask off powder coated joinery (applies to anodised joinery also)

"IMPORTANT ALL TRADES"
This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! ~ Do not use solvents! - Do not remove this label until final clean completed.

This photograph display damage that has occurred on site, post installation. The photo of the masked joinery displays clear signs of damage that could have occurred were it not masked. Please ensure that your joinery is protected right through the entire construction process.

Powder Coating Maintenance

External - Maintenance Program:
To extend the life of external powder coated articles and to comply with warranty requirements for powder coated aluminium joinery, a simple, regular maintenance program must be implemented.
The effects of ultra violet light, atmospheric pollution, dirt, grime and airborne salt deposits will all accumulate over time and must be removed or surface staining and weathering will occur, leading to an unsightly appearance.

For external coatings, cleaning should take place every six months. In areas where pollutants are more prevalent, such as beachfront houses and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis ie. every one to three months.

Cleaning your powder coating:
1. Carefully remove any loose surface deposits with a wet sponge.
2. Use a soft brush (non abrasive) and a mild household detergent (do not use solvents) in warm water, remove dust, salt and other deposits.
3. Rinse off with clean fresh water.

Restoring weathered or scratched surfaces:
Repair of Scuffed or Scratched surfaces
Dulux Spray Cans are available in all colour card colours.

Repair of Small Scratches or Chips.
Dulux Dabsticks are ideally suited for the repair of small scratches.
Dabsticks may not be available in all colour card colours.

Repair of Weathered areas .
Dulux Gloss Up is a light to medium cutting cream ideally suited for gloss restoration and has been specifically designed for this purpose.
Gloss Up contains no waxes or silicone and is a one step system.

Contact Dulux Powder Coatings , ph 0064 9 441 8244

All pages © Copyright Juralco Aluminium Building Products Ltd, 2022