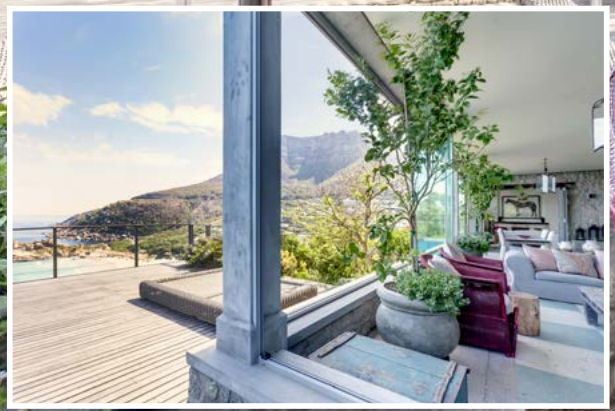

SUNFLEX



SF25 Slide and Turn System



Clearly the best way **to view your world**

With over 30 years of research and development, Sunflex SA brings you glass door systems that are not only elegant and simple to use but trusted to outlast the rest. Locally manufactured, using German technology, Sunflex South Africa prides itself on leading the industry in product quality and innovation supported by personal and reliable customer service.

Our **History**

In 1986, SUNFLEX Aluminium Systems GmbH was established in Wenden-Germany by Mr. Ernst Schneider. The firm's purpose was the development, production and sale of folding-sliding glass systems. A family run business, SUNFLEX GmbH has now established global footprint across all 6 continents.

Founded in 2005 by father and son, Charles and Patrick Rostance, SUNFLEX SA is proud to have been the first SUNFLEX partnership established outside of mainland Europe.

From it's beginnings in the family home, and starting with the SF25 frameless slide and turn system, SUNFLEX SA has grown and established branches in Durban and Cape Town. This, along with our network of Approved Installers, allows SUNFLEX SA to effectively service all areas of South Africa.

In 2009, John Rostance returned from the UK to join the business as General Manager of the Cape Town branch.

In 2010, SUNFLEX SA began local extrusion of aluminium profiles and all systems are now locally manufactured, under license, at our head office in Riverhorse Valley, Kwa-Zulu Natal. Our partnership with SUNFLEX GmbH and their team of engineers, working constantly on product innovation, has allowed SUNFLEX SA to succesfully provide European quality glazing systems to the South African market for the past 16 years.

2021 – SUNFLEX SA celebrates 16 years in South Africa. Supported by its dedicated staff, SUNFLEX SA remains a family owned and run business committed to providing high quality and trouble free glazing systems whilst maintaining customer service with a personal touch.





SUNFLEX GmbH – Wenden, Germany



SF25 Slide & Turn System



Our **Products**

SUNFLEX Aluminium Systems are fully customizable to meet architectural design requirements. Through the use of slimline profiles and the low impact of frameless glass, SUNFLEX Systems can be seamlessly integrated into existing architecture to best enhance the aesthetic of your home. SUNFLEX Systems provide market leading weather protection, with the benefit of unobstructed panoramic views. German designed with local manufacture, SUNFLEX Systems are easy to use and built to last. SUNFLEX SA is a proud member of AAAMSA ensuring quality and guarantee.

AAAMSA
Group

SF25 Slide and Turn System

The Sunflex SF25 system is ideal for patio or balcony enclosures where protection from the elements is needed without compromising your view. Designed and tested to withstand very high winds and rain, the SF25 system may also be used to create open plan living areas and a connection between the interior and outdoors. Individual, unconnected sliding panels allow homeowners to easily vary the configuration to effectively control airflow. The slimline profile of SF25 stacks away neatly without taking up unnecessary space.

Systems are:

- Fully customizable
- Able to stack inward or outward
- Slide around curves and corners
- Comes with various floor track and handle options
- Accommodates 8mm, 10mm and 12mm safety glass



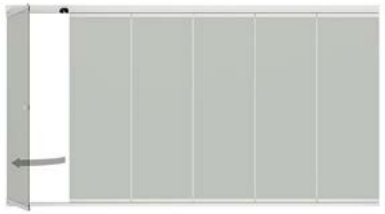


SF25 Slide and Turn System

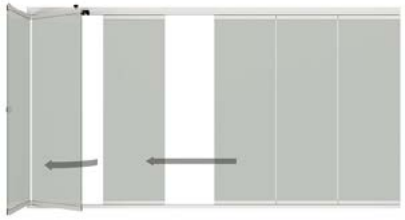


SF25 Slide and Turn System

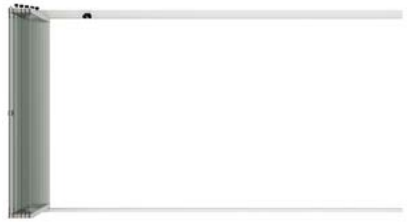
SF25 Operation



Single door access for daily use



Panels independently slide and turn to stack



Large openings created with little fuss

System Information

- Choice of 8mm, 10mm or 12mm Toughened Safety Glass.
- Low-wear and maintenance free fittings.
- Various bottom tracks and handles.
- Pressure-free drainage of bottom track by inclined floor construction.
- Catch channel on the inside of the bottom track to drain condensation water and cleaning materials.
- Top-Hung construction allows for years of smooth operation.
- The running assemblies each feature three smooth-running needle bearings and two polyamide rollers.
- Inward or outward opening of the panels possible.
- Choice of panel partition and sliding direction.
- Height compensation of up to 22 mm (±11 mm).
- Double brush seal with plastic bridge at top and bottom of the glass panels.
- Screwed glazing fixings allows for quick replacement of panels.
- Double locking device.
- Weatherproof.

System Testing

- AAAMSA 613 test cert. no D1433.
- Safety test class 3 in compliance with DIN EN 12211/12210*.
- Airborne sound insulation up to Rw = 34 dB in compliance with DIN EN ISO 140-3**.
- Wind loading - 8mm glass 1800Pa.
- Wind loading - 10mm glass 3000Pa.
- Toughened Safety Glass in accordance with SABS.
- Glazing certification - 8mm up to 2500 high.
- Glazing certification - 10mm up to 2800 high.
- Energy performance compliance with SANS 10400 part XA.

CE Tested SUNFLEX quality

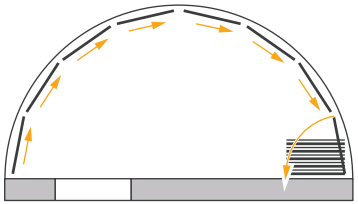
PIV Test Report no. 40-31/13 and no. 40-32/13

SG - Bauakustik Test Report 1238-001-09 and 1238-002-09

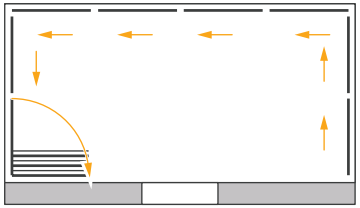
AAAMSA Group Cert no. D1433

Geometries

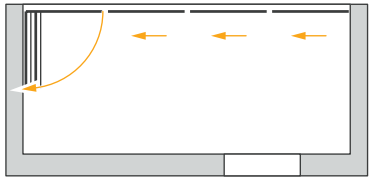
The horizontal running mechanisms of the SF25 allows for the glass panels to be operated through any angle between 90° and 180°. The direction in which the SF25 slide & turn system opens can be chosen as required.



Segmented systems

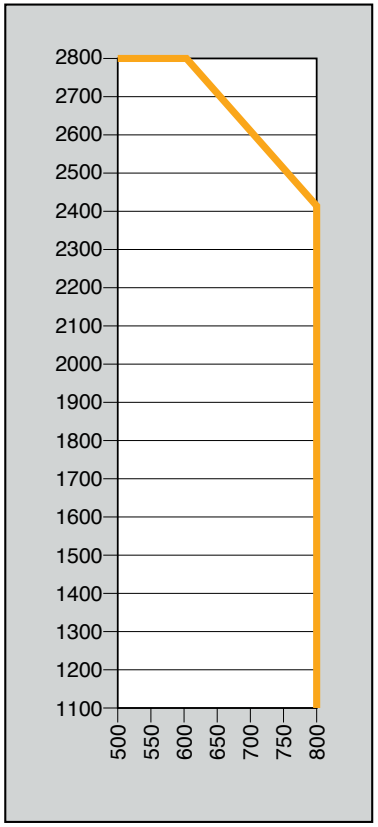


Angle solutions 90 – 180°



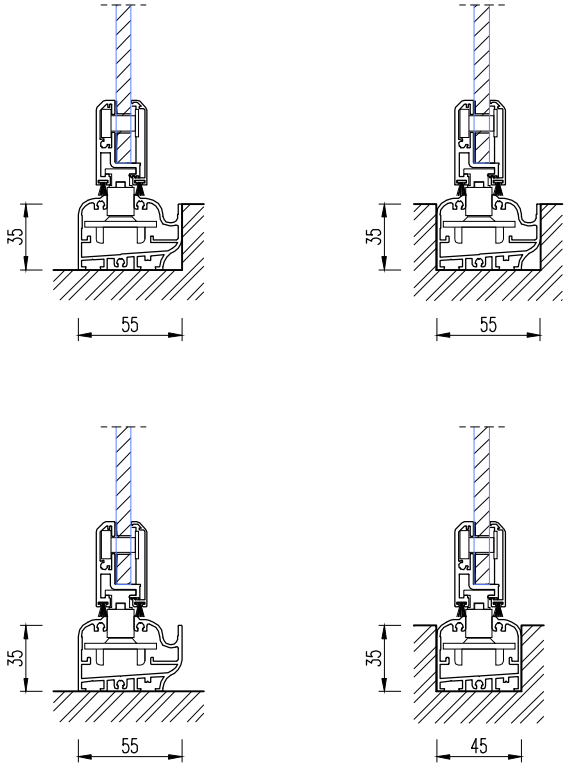
Straight systems

Panel Size Diagram



Larger panel sizes are available on request

Bottom Track Options



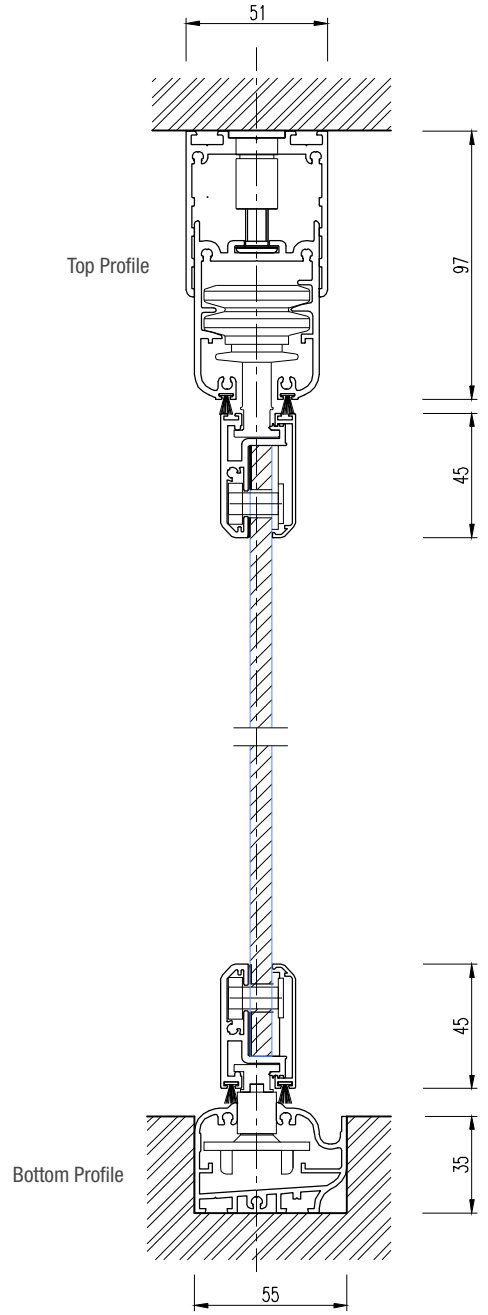


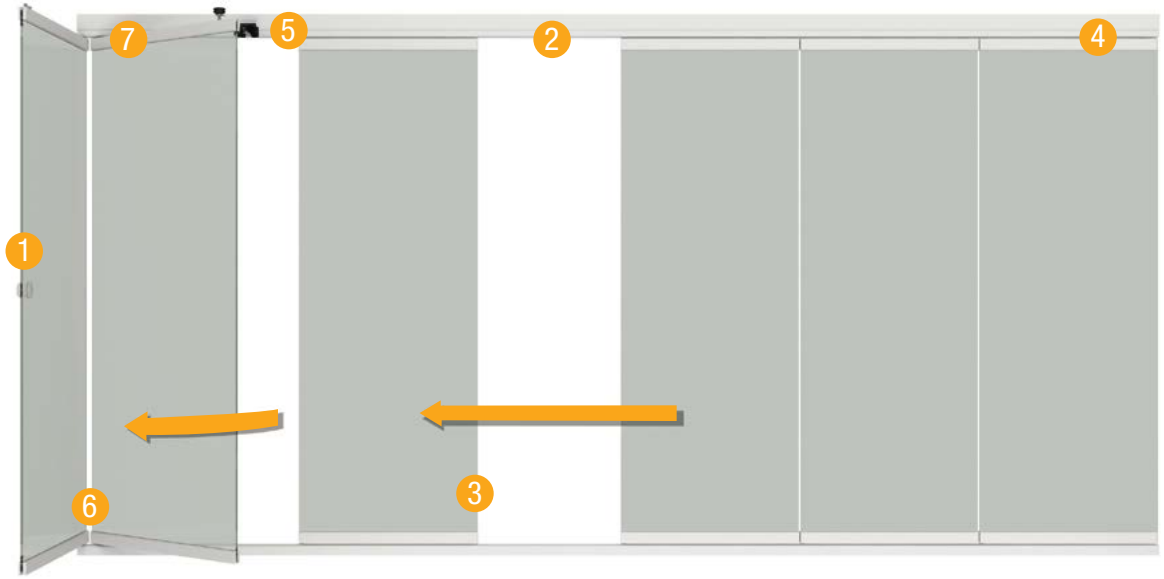
SF25 Slide and Turn System



SF25 Slide and Turn System

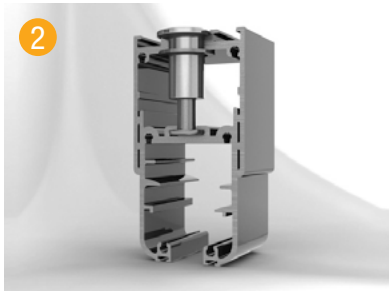
Section Through SF25







Innovative SF25 Side Lock
A choice of handles, locks and locking mechanisms can be fitted internally and/or externally as a primary locking function



Height compensation profile allows a height adjustment of up to 22 mm



Screwed glass; glass thickness 8mm, 10 mm or 12mm possible



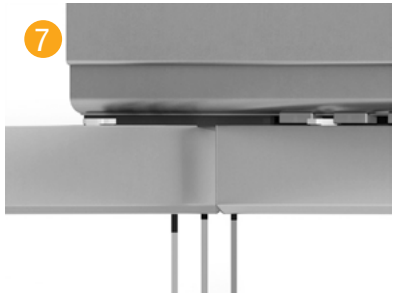
Completely stainless carriage system. Available for coastal climates



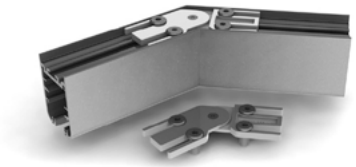
Side handle repositions the turn panel in the upper section



Bottom hinge wheel for extra support



Optimal panel guidance without guide arm when opening and closing



Reinforced joining pins for extra corner stability



The interlocking tongue & groove system ensures greater weather protection



SF25 Slide & Turn System

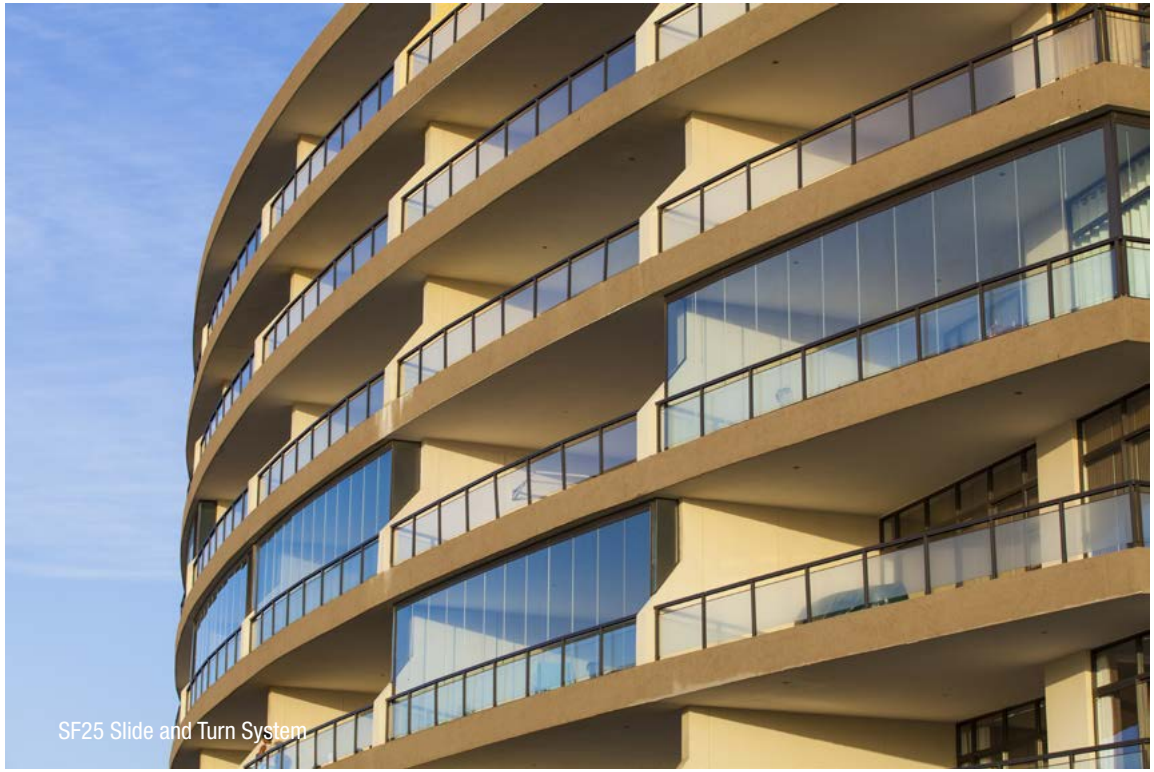
Protection from the elements without compromising your view.



SF25 Slide and Turn System



SF25 Slide and Turn System



SF25 Slide and Turn System



SF25 Slide and Turn System

Creates flexible, contemporary and useable open space for both living and working environments.



SF25 Slide and Turn System

SF20 Multi Sliding System

The Sunflex SF20 multi sliding system has many applications. Use it as a patio or balcony enclosure system where protection from the elements is needed without compromising your view, or customize it as a modern office partition, room divider, or door solution for open plan seamless living. With slimline profiles and a floor mounted construction, the SF20 can be retrofitted easily without overhead structural support. Panels are joined together through integrated followers and this combined with double low-wearing ball-bearing carriages allows for large areas to be opened or closed off with ease.



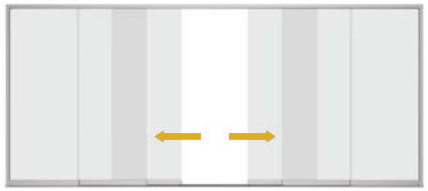


SF20 Multi Slider

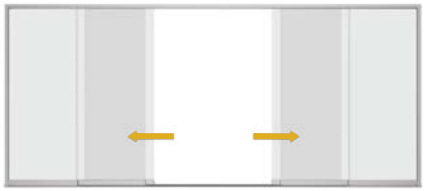


SF20 Multi Slider

SF20 Operation



Unlocking and sliding the opening panel



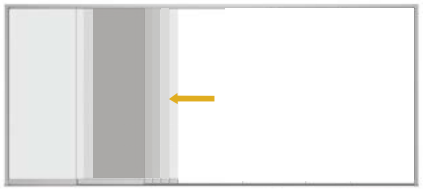
Easy displacement of the elements by integrated followers



Large open space when elements are opened



Unlocking and sliding the opening panel



Easy displacement of the elements by integrated followers



Large open space when elements are opened

System Information

- Floor-mounted sliding system.
- Opens and slides from left, right or centre as desired.
- With 1-, 2-, 3-, 4-, 5- or 6-track slide and guide rail.
- Sliding panels with integrated followers for easy opening and closing.
- Floor rail with anti-slip coating can be recessed flush into the floor to provide an unobstructed living space.
- Internal or external locking of the sliding panels using a lock (optional).
- Unpressurised drainage and easy cleaning due to optimum length of rails.
- Glazing with 10mm toughened safety glass.

System Testing

- Airborne sound insulation up to R_W = 17 dB in compliance with DIN EN ISO 10140-2.
- Measurement of deflection class 4 according to DIN EN 12211/12210 (10 mm glass).
- Repeated pressure/wind suction class 4 according to DIN EN 12211/12210 (10 mm glass).
- 10mm Toughened safety glass in accordance with SABS.
- Glazing certification - 10mm up to 2800 high.
- Wind loading - 10mm glass 2400Pa.

CE Tested SUNFLEX quality

PIV PIV Test Report no. 40-30/13

SG - Bauakustik Test Report 1387-001-12

AAAMSA SA Group



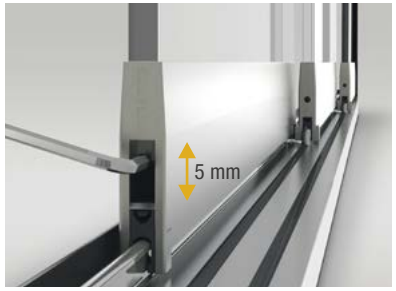
Sealing

Maximum transparency, permanent ventilation and protection against driving rain are ensured by a 25 mm covering of the panels when closed.



Height compensation

The ceiling rail adjusts to height differences of 16 to 20 mm in case of building subsidence after construction.



Height adjustment

To compensate for structural variations, the integrated rollers can be height-adjusted by up to 5 mm.



Vertical frame

Increased driving rain and wind resistance by vertical frame profiles with brush gaskets, available as option.



Drainage and cleaning

A sloping floor construction and optimally shortened rail lengths permit unpressurised drainage and simple cleaning of the floor rail. The anti-slip coating ensures that the floor rail surface is safe to walk on.



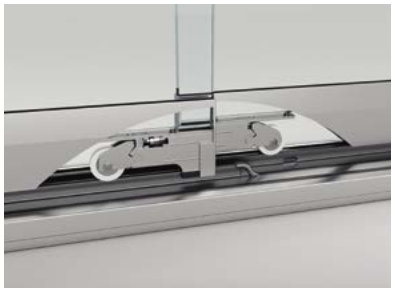
Bottom locking mechanism

A bottom latch lock can be fitted to the bottom panel as an option.



Convenience

On closing and opening the sliding door, each adjacent panel is automatically moved by the integrated followers.



Ease of operation

Smooth movement of the sliding panels by hidden rollers incorporating ball bearings with noise-inhibiting contact surfaces.



Locking mechanism

A choice of handles, locks and locking mechanisms can be fitted internally and/or externally as a primary locking function.

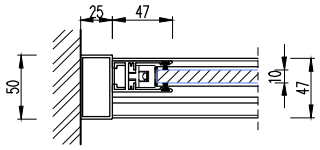


SF20 Multi Slider

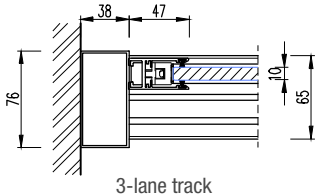


SF20 Multi Slider

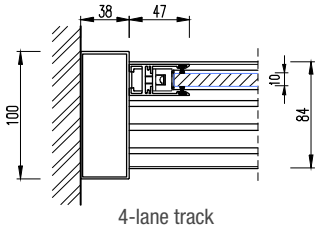
Side Wall Fittings



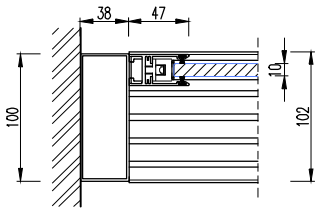
2-lane track



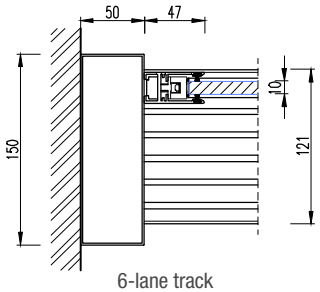
3-lane track



4-lane track

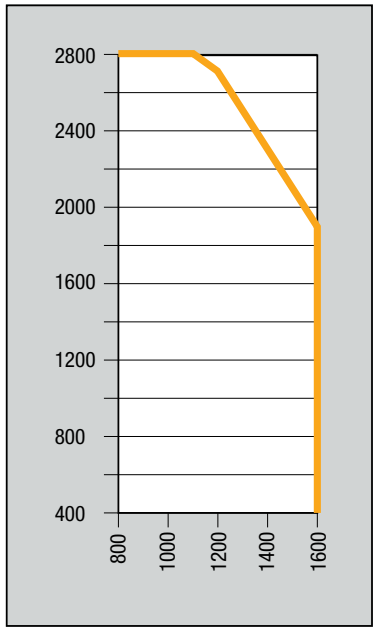


5-lane track



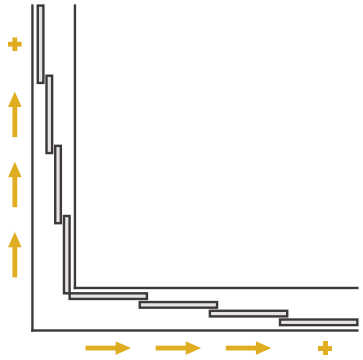
6-lane track

Panel Size Diagram



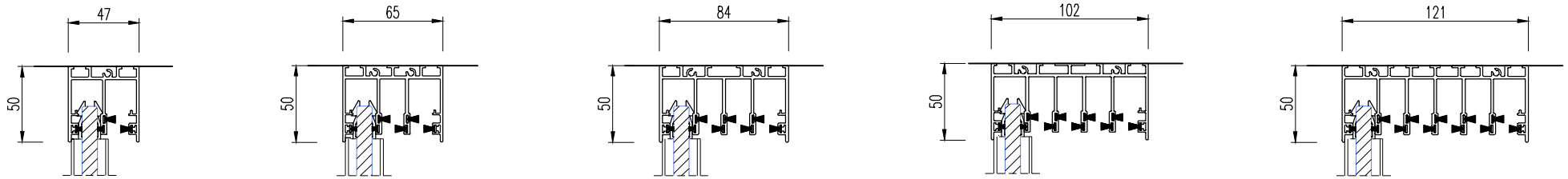
Special sizes on request (dimensions in mm)

SF20 Corner Solution



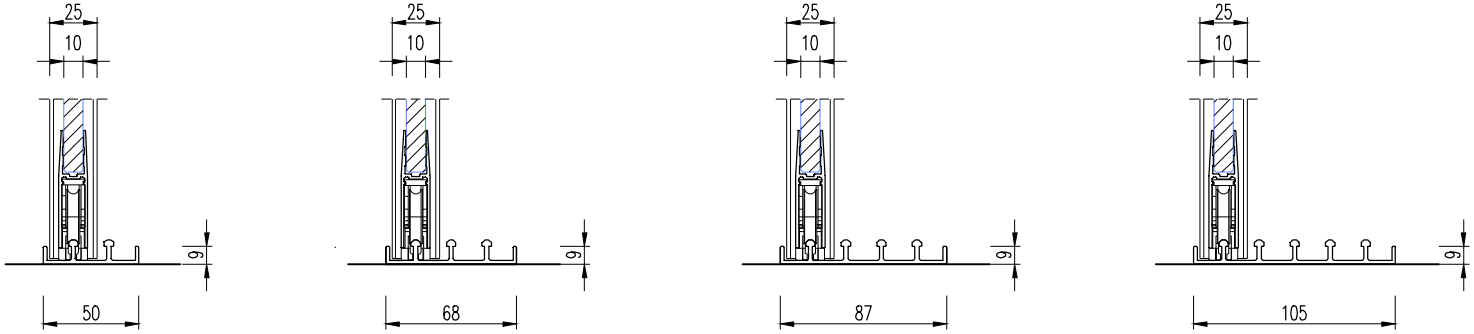
90° Corner

SF20 Top Track Profile Options



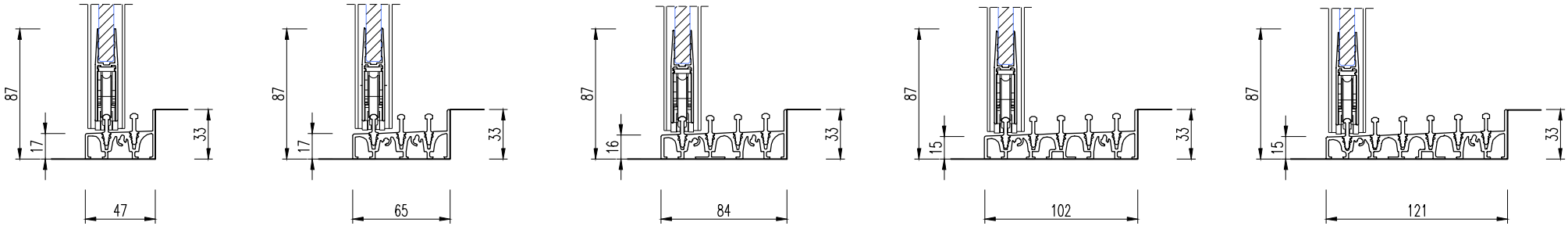
Top Guide rails available from 1-to-6 lane tracks.

SF20 Flush Track Profile Options



Flush track slide rails available from 1-to-5 lane tracks.

SF20 Threshold Track Profile Options



Threshold track slide rails available from 2-to-6 lane tracks.



SF20 Multi Slider



SF20 Multi Slider



SF25 Slide and Turn System

Photo © Ries Shaw Architects



Pride in our Product, Pride in our People.

"Any frameless door system is only as good as the team installing it. We are proud to say that Sunflex SA staff are all expertly trained and take immense pride in the level of workmanship we provide for our customers. From first contact to site handover we strive to deliver a product and service that exceeds not only industry standards but most importantly our clients expectations too. Thank you for choosing SUNFLEX SA, we look forward to being of service." Patrick Rostance - Director

Photo © Ries Shaw Architects

SF25 Slide and Turn System



Unit 1, 25 Riverhorse Close,
Riverhorse Valley, Durban, 4001
Tel: 031 512 5202
reception@sunflexsa.co.za

Unit 9, Prime Park Printers Way,
Montague Gardens, Cape Town
Tel: 021 551 5142
info@sunflexsa.co.za

www.sunflexsa.co.za