Secondary Glazing

Section Identification Guide







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	System Specification		
SECTIONS	Outer frames and insert panels are made from warp free rigid sections of extruded aluminium alloy 6063 T6 B.S. 1474 (HE9TE).		
FINISH	Our standard finish is white semi-gloss polyester powder coated aluminium to B.S. 6496.		
	Silver Anodised, Brown and RAL colours are available at extra cost.		
	Most wooden sub-frames are pre-primed in white.		
	Brown units are supplied with hardwood unpainted sub-frames and trims.		
WEATHERING	Moisture repellant, rot free silicone treated polypropylene pile strip is fitted to all insert panels.		
GLAZING	4mm or 6mm float glass is used in accordance with B.S.CP 152 and 4mm, 6mm toughened, 6.4mm laminated are used in accordance with B.S.6262. All glazing is carried out at the factory prior to despatch, each panel being bedded in Glazepta synthetic rubber gaskets thus providing a cushioning effect.		

We reserve the right to make changes to the product specification as technical developments dictate, and without prior notice. Pictures shown are for illustrative purposes and are not binding in detail, colour or specification.

Secondary Systems

Our secondary glazing is available in four main systems; Economy Odd Leg, Slim-Line Equal Leg, Subframe and Heavy Duty. Each system is available in a range of different styles as listed below.

Economy Odd Leg

Our Economy Odd Leg system is a very cost effective aluminium secondary glazing system. It is easy to fit, with pre-drilled fixing holes. Simply face fix your secondary glazing onto the existing windows.

Available Styles:

- Fixed
- · Two Track Horizontal Slider
- Balanced Vertical Slider (No tilt facility)
- Non-Balanced Vertical Slider (No tilt facility)
- · Butt & Friction Hinged
- · Lift Out



Face Fix

Slim-Line Equal Leg

Our Slim-Line secondary offers the slimmest sight-lines out of our four systems. The system is all aluminium and can be face or reveal fixed.

Available Styles:

- Two Track Horizontal Slider
- Tilt Back Balanced Vertical Slider
- Balanced Vertical Slider (No tilt facility)
- Non-Balanced Vertical Slider (No tilt facility)
- Lift Out



Face Fix



Reveal Fix

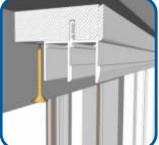
Luxury Subframe

Our Luxury Subframe system has an additional wooden frame that wraps around the aluminium frame. The subframes come in a choice of wood types and depths for face fixing or reveal fixing. Trims are available to give a neat clean finish.

Available Styles:

- Two & Three Track Horizontal Sliders
- Tilt Back Balanced Vertical Slider
- Balanced Vertical Slider (No tilt facility)
- Non-Balanced Vertical Slider (No tilt facility)
- Butt & Friction Hinged
- Lift Out





Face Fix

Reveal Fix

Heavy Duty

Our Heavy Duty system is stronger and more robust than our other secondary glazing systems. The thicker frames enable it to take double glazed sealed units and achieve larger maximum sizes.

Available Styles:

- Two Track Horizontal Slider
- Balanced Vertical Slider (No tilt facility)



Reveal Fix

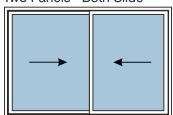
Horizontal Sliders

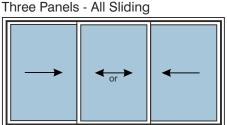
Designs and Sizes

Horizontal Sliding secondary windows are available in 2,3,4 or 5 panel configurations, sliding on a track system with nylon skids and fitted with spring loaded aluminium catches engaging on the inside of the outer frame jambs for improved security. All sliding panels interlock at meeting styles thus providing a draught proof seal.

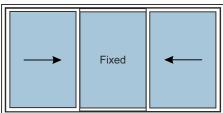
Two Track Designs

Two Panels - Both Slide

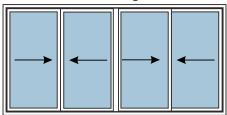




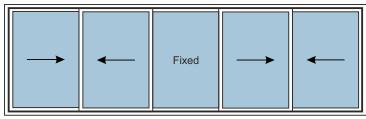
Three Panels: Centre Fixed



Four Panels: All Sliding



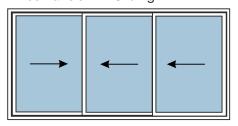
Five Panels: Centre Fixed - Four Panels Slide*



Configuration only applies to Economy, Slim-Line and Luxury Subframe

Three Track Designs

Three Panels - All Sliding



This three track, three panel horizontal slider gives maximum ventilation and access to the prime windows.

Recommended Sizes

These measurements are representative of our Economy, Slim-Line and Luxury Subframe Systems.

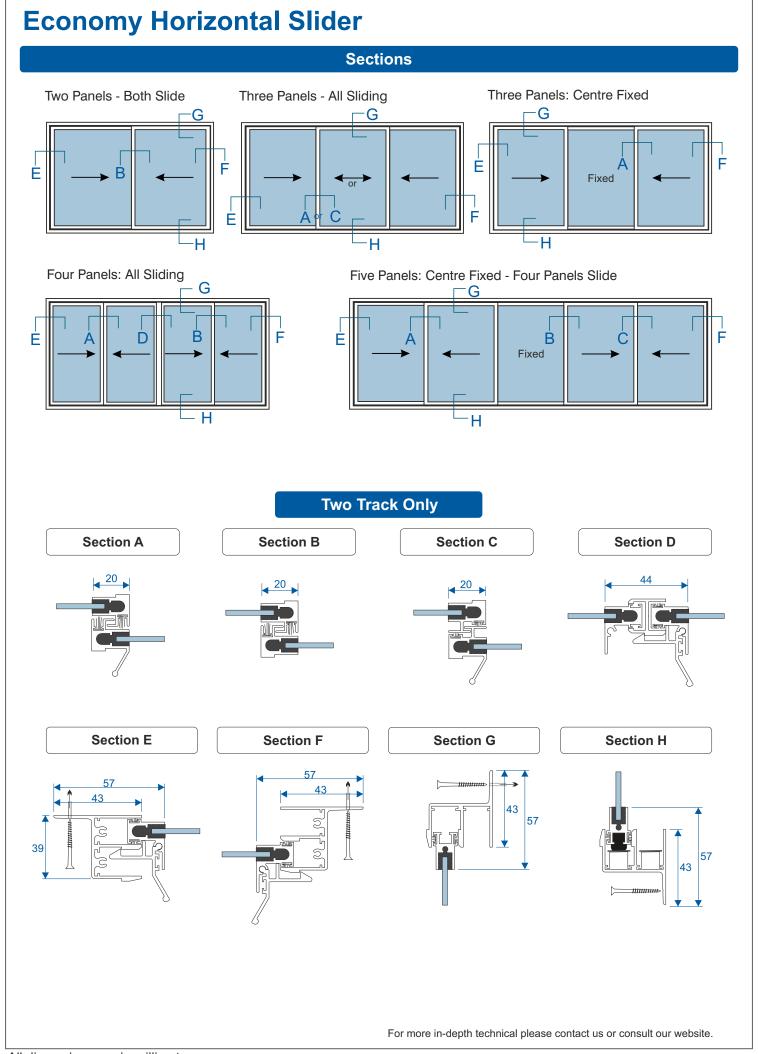
2 Panel	
Min Width	400 mm
Max Width	2500 mm
Min Height	400 mm
Max Height	1980 mm

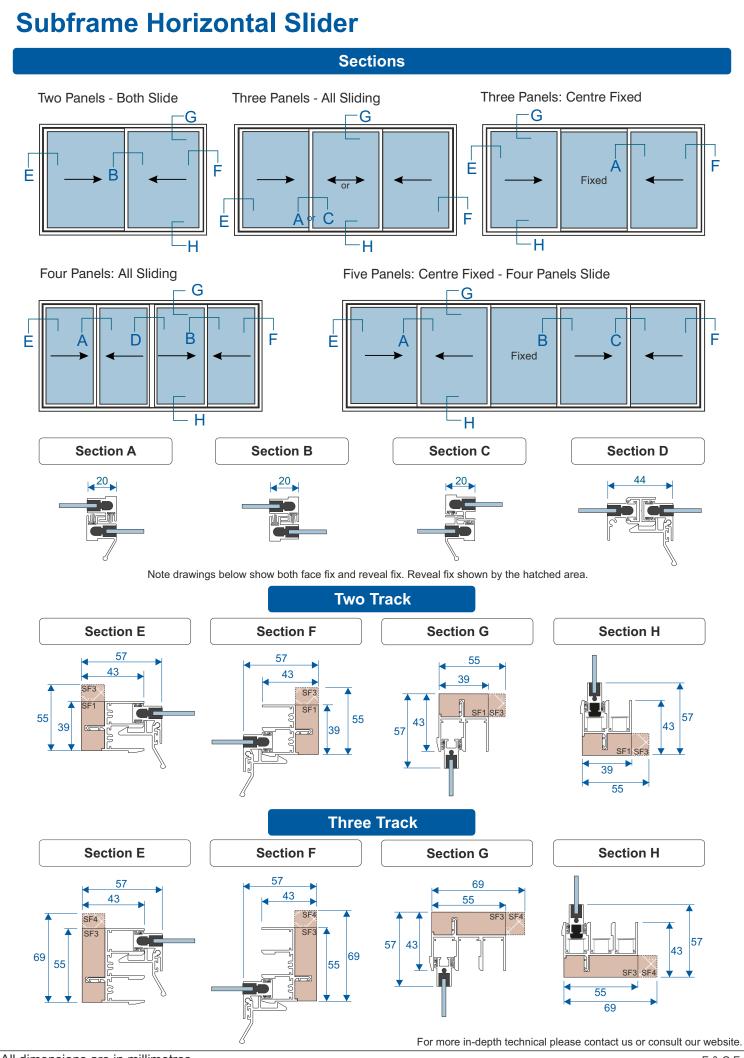
3 Panel	
600 mm	
3750 mm	
400 mm	
1980 mm	

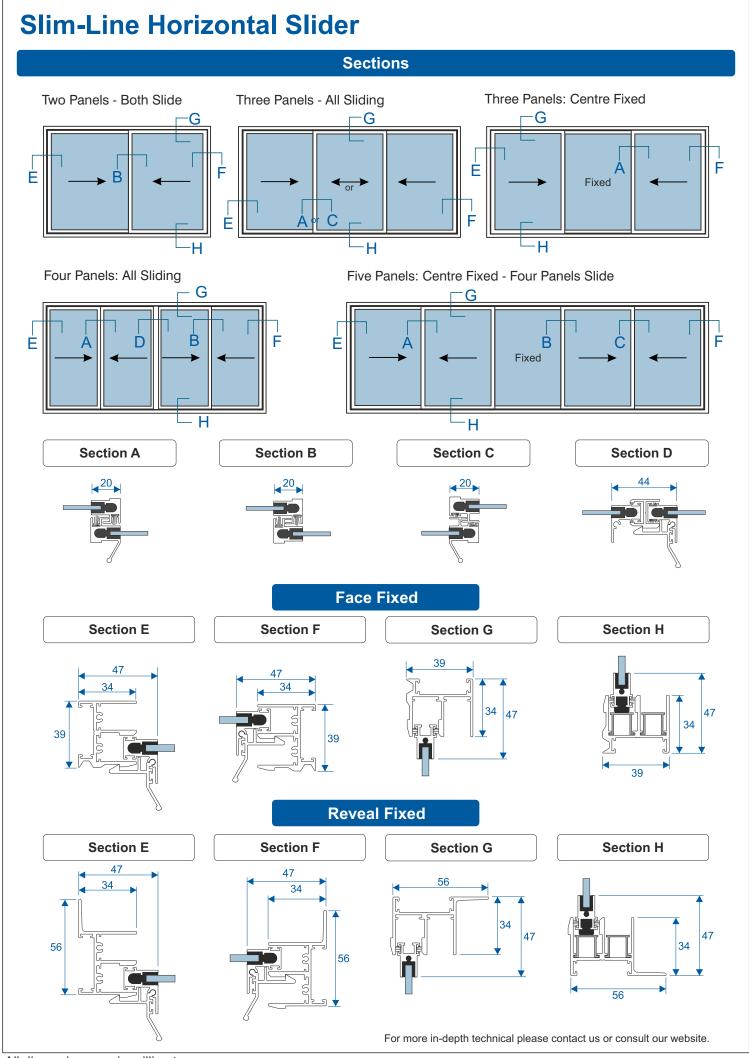
4 Panel	
Min Width	800 mm
Max Width	4900 mm
Min Height	400 mm
Max Height	1980 mm

5 Panel	
Min Width	1000 mm
Max Width	4900 mm
Min Height	400 mm
Max Height	1980 mm

Please note: All these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.







Vertical Sliders

Designs and Sizes

Vertical Sliding secondary glazing is ideal for heat and sound proofing traditional wooden box sash windows, or any windows that have horizontal bars. Panels slide open in the same way as vertical sliding sash windows and provide easy access to the existing window.

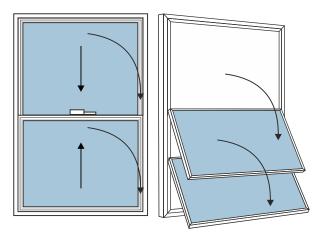
Balanced Tilt Back - Subframe or Slim-Line

Balanced Tilt Back Vertical Sliders are hung on spiral balances concealed in the jambs, and adjusted to suit the weight of the panels. Panels are held closed with a Fitch Fastener positioned in the centre of the transom bar. The head of each panel has a spring loaded catch in the corner, enabling each panel to tilt back individually for ease of cleaning and access to prime window for decorating.

Recommended Sizes	
Min Width	400 mm
Max Width	1250 mm
Min Height	800 mm
Max Height	2450 mm

Please note

- Balanced Tilt Back is not available in Odd Leg Systems
- Maximum panel weights are 18kg
- 4mm Glass 10.2kg m²
- 6mm Glass 15.2kg m²
- All these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard quarantee.



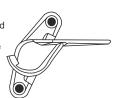
Balanced - Economy, Slim-Line or Subframe

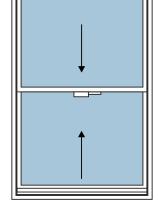
Balanced Vertical Sliders are hung on spiral spring balances concealed in the jambs and adjusted to suit the weight of the panels. Both panels are held closed with a Fitch Catch fastener positioned in the centre of the transom bar. The panels cannot be removed or tilted in for cleaning.

Recommended Sizes	
Min Width	400 mm
Max Width	1250 mm
Min Height	800 mm
Max Height	2450 mm

Please note

- Maximum panel weights are 18kg
- 4mm Glass 10.2kg m²
- 6mm Glass 15.2kg m²
- All these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.





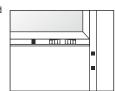
Non-Balanced - Economy, Slim-Line or Subframe

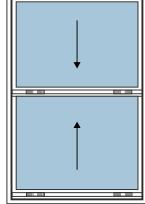
THE OPERATOR MUST SUPPORT THE WEIGHT OF THE PANEL WHEN SLIDING. The panels are held with spring loaded nylon bolts which locate in pre-set stop positions in the jamb to hold the panel in the desired open position. Panels can be removed for easy cleaning.

Recommended Sizes	
Min Width	400 mm
Max Width	1250 mm
Min Height	600 mm
Max Height	1850 mm

Please note

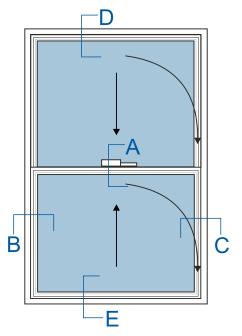
- Maximum panel weights are 18kg
- 4mm Glass 10.2kg m²
- 6mm Glass 15.2kg m²
- All these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.

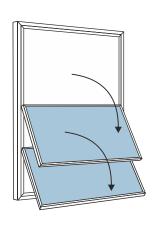




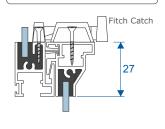
Tilt-Back Vertical Slider

Sections





Section A



Note subframe drawings below show both face fix and reveal fix. Reveal fix shown by the hatched area.

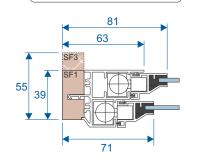
Subframe

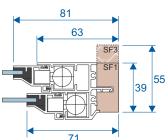


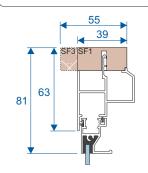
Section C

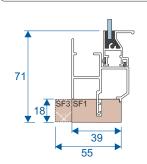
Section D

Section E









Slim-Line

Section B

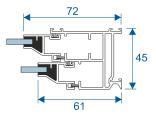
Section C

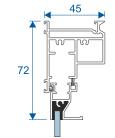
Section D

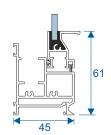
Section E



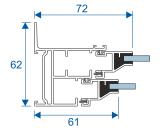
61

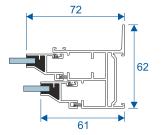


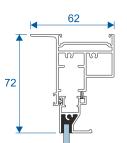


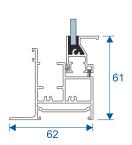


Reveal Fix

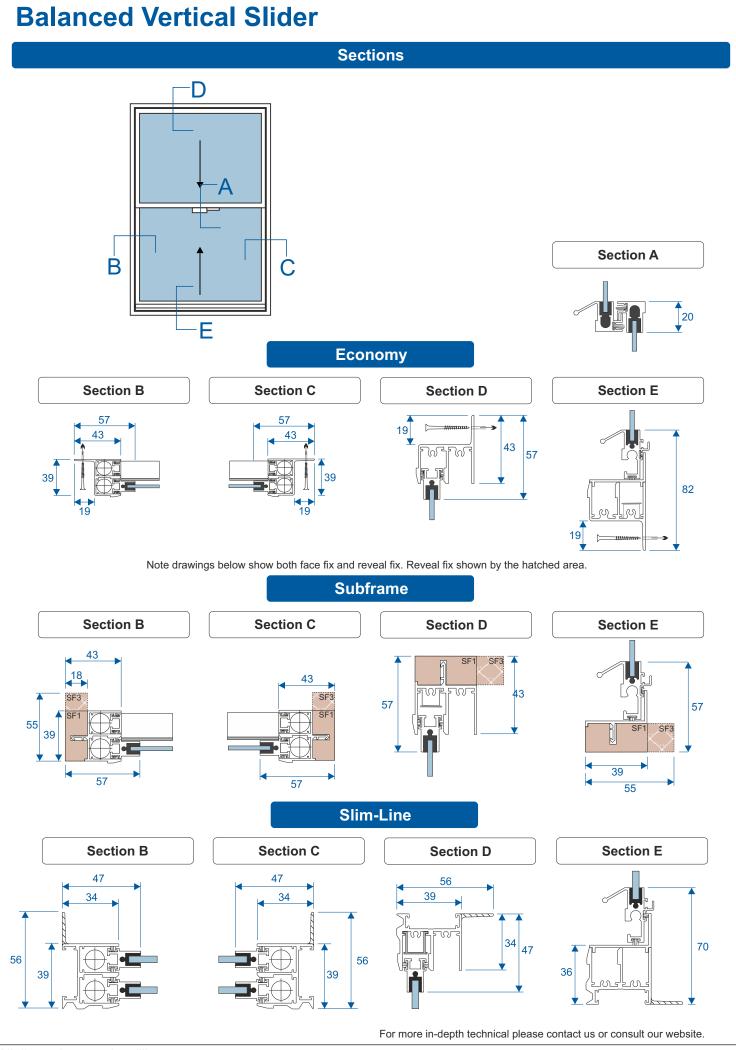








For more in-depth technical please contact us or consult our website.



Heavy Duty

Designs, Sizes & Sections

Heavy Duty secondary glazing has a more robust frame and also has the option of either single glazed or double glazed sealed units. Our heavy duty system is available as horizontal or vertical sliding and is reveal fix only.

Recommended Sizes - Horizontal Sliding

2 Panel	
Min Width	800 mm
Max Width	3000 mm
Min Height	400 mm
Max Height	2400 mm

4 Panel	
Min Width	1600 mm
Max Width	4900 mm
Min Height	400 mm
Max Height	2400 mm

3 Panel	
Min Width	1200 mm
Max Width	4500 mm
Min Height	400 mm
Max Height	2400 mm

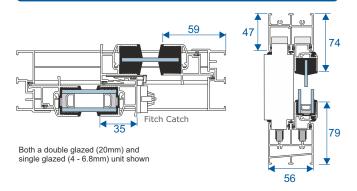
Recommended Sizes - Vertical Sliding

Sizes		
Min Width	400 mm	
Max Width	1500 mm	
Min Height	900 mm	
Max Height	2800 mm	

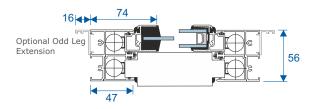
Please note:

- Maximum panel weights are 50kg
- 4mm Glass Single Glazed: 10.2kg m² / Double Glazed: 20.4kg m²
- 6mm Glass Single Glazed: 15.2kg m² / Double Glazed: 30.4kg m²
- All these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.
- Panels are not able to be lifted out for cleaning.

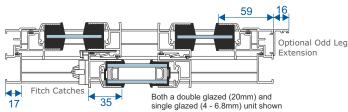
Two Panel Horizontal Slider



Vertical Sliding Heavy Duty Secondary

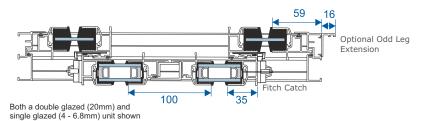


Three Panel All Sliding Horizontal Slider



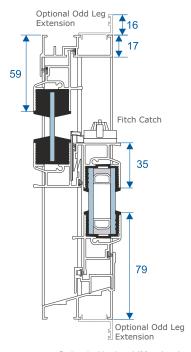
Both a double glazed (20mm) and single glazed (4 - 6.8mm) unit shown

Four Panel All Sliding Horizontal Slider



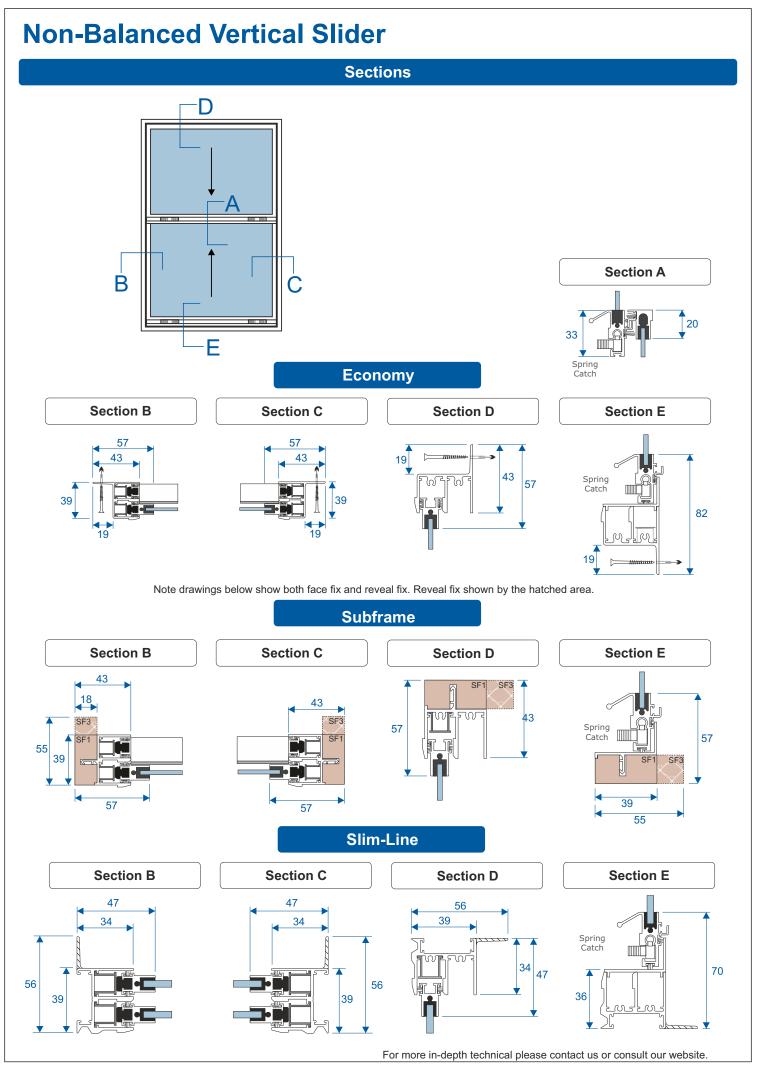
16mm odd leg extension:

Both of our heavy duty systems as shown on this page can be fitted with an odd leg extension. This can be added to any part of the frame to make the frame longer on one side. Equally it can be placed on both sides (inside & out) of the frame to extend it for any reason you may need it on site.



Both a double glazed (20mm) and single glazed (4 - 6.8mm) unit shown.

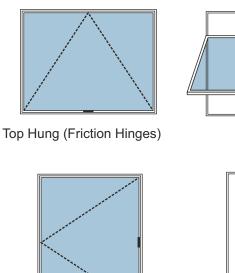
For more in-depth technical please contact us or consult our website.



Hinged Units

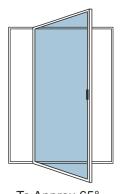
Friction Hinges

Single pane top hung or side hung (left or right) units are manufactured with Stainless Steel Friction Hinges to hold the casement to the desired position and fitted with a white painted Fitch Catch.



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To Approx 65°



To Approx	65°
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Top Hung Recommended Sizes		
Min Width	350 mm	
Max Width	1250 mm	
Min Height	400 mm	
Max Height	1000 mm	

Side Hung Recommended Sizes	
Min Width	300 mm
Max Width	650mm
Min Height	400 mm
Max Height	1250 mm

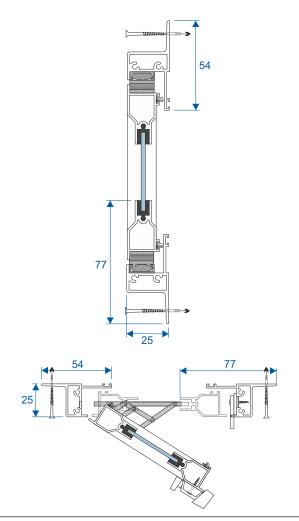
Please note that all these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.

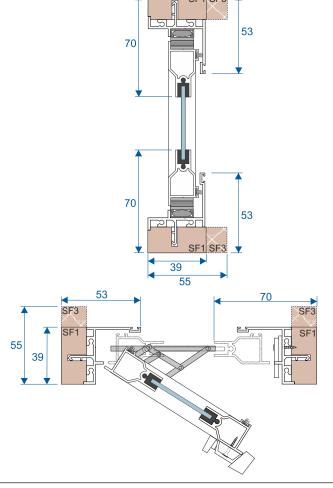
Friction Hinges - Economy Sections

Side Hung (Friction Hinges)

Friction Hinges - Subframe Sections

Note drawings below show both face fix and reveal fix. Reveal fix shown by the hatched area.



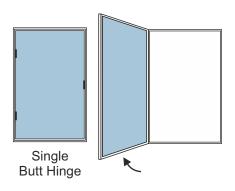


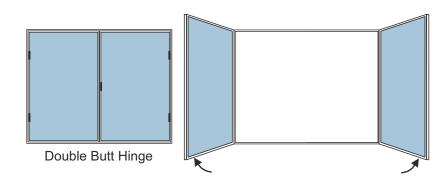
Hinged Units

Butt Hinges

Butt Hinged Units are manufactured as side hung and can be either single or double hinged as shown below. Heavy duty butt hinges are fitted to the casement enabling far greater access.

The single pane unit is fitted with a white painted Fitch Catch whilst the double unit is fitted with one or more Fitch Catches and has two concealed shoot bolts on the slave panel to secure it in a closed position.





Recommended Sizes Single Butt		
Min Width	300 mm	
Max Width	900 mm	
Min Height	400 mm	
Max Height	2100 mm	

Recommended Sizes Double Butt		
Min Width	700 mm	
Max Width	1800 mm	
Min Height	400 mm	
Max Height	2100 mm	

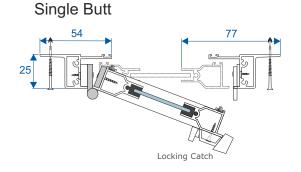
Approximate Opening	
Economy	170°
Subframe	150°

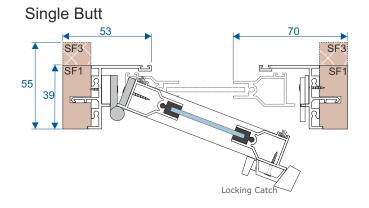
Please note that all these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.

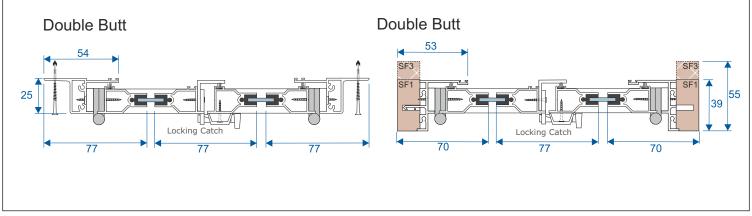
Butt Hinges - Economy Sections

Butt Hinges - Subframe Sections

Note drawings below show both face fix and reveal fix. Reveal fix shown by the hatched area.





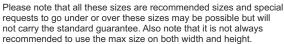


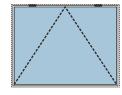
Hinged & Combination Units

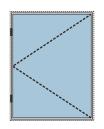
Medium Duty Hinged Unit (Panel Only, No Frame)

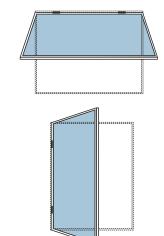
These units consist of the PANEL ONLY i.e. no frame - and are supplied with medium duty plastic butt hinges and magnetic catch.

Recommended Sizes		
Side Hung Top Hung		Top Hung
Min Width	300 mm	300 mm
Max Width	900 mm	1250 mm
Min Height 400 mm 400 mm		400 mm
Max Height	1250 mm	1250 mm



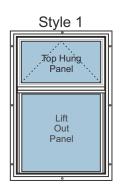


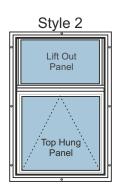


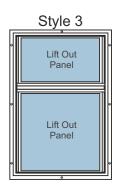


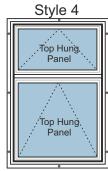
Combination Units

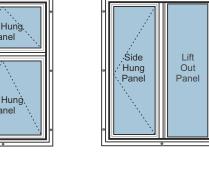
Units are supplied with one outer frame divided by a transom / mullion.

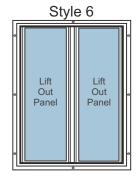


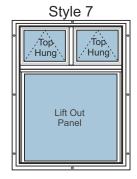












Style 5

Recommended Max Sizes

Top Hung / Lift Out (Style 1)		
Max Width	1200 mm	
Max Height	2600 mm	

Lift Out / Top Hung (Style 2)		
Max Width	1200 mm	
Max Height	2600 mm	

Lift Out / Lift Out (Style 3)	
Max Width	1200 mm
Max Height	3000 mm

Top Hung / Top Hung (Style	
Max Width	1200 mm
Max Height	2000 mm

Side Hung / Lift Out (Style 5)	
Max Width	1800 mm
Max Height	1500 mm

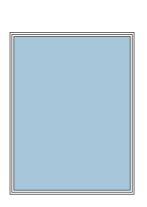
Lift Out / Lift Out (Style 6)	
Max Width	2400 mm
Max Height	1600 mm

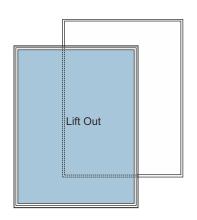
2x Top Hung / Lift Out (Style		ift Out (Style 7)
	Max Width	1600 mm
	Max Height	2200 mm

Lift Outs

Lift Out Units

Lift Out Units are framed single pane windows with a removable panel for cleaning: They are not suitable for ventilation. The removable panel has a full length finger rail at the bottom to assist in lifting the panel out. Panels over 1400mm in height are fitted with retaining clips to prevent the panel from bowing.





Lift Out Recommended Sizes		
Min Width	300 mm	Min Height
Max Width	1250mm	Max Height

Please note that all these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.

Note drawings below show both face fix and reveal fix. Reveal fix shown by the hatched area.

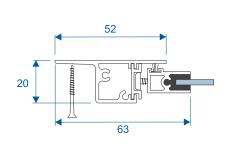
Economy Lift Out Sections

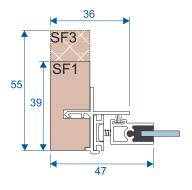
Subframe Lift Out Sections

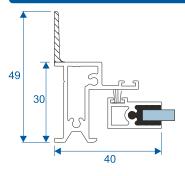
300 mm

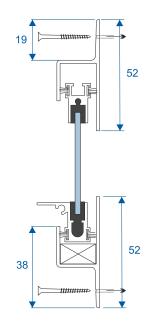
2100mm

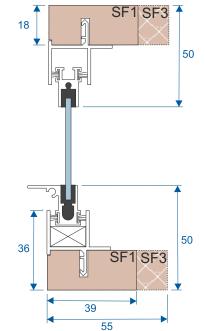
Slim-Line Lift Out Sections

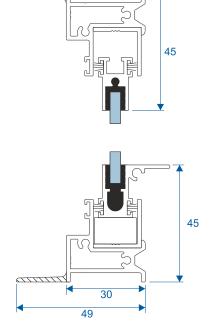






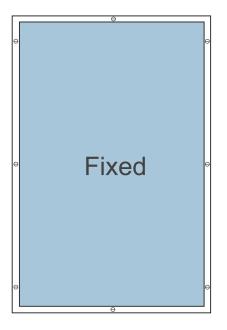






For more in-depth technical please contact us or consult our website

Fixed



Fixed secondary glazing units are manufactured as a single pane glazed panel which fix directly to existing windows or doors with screws.

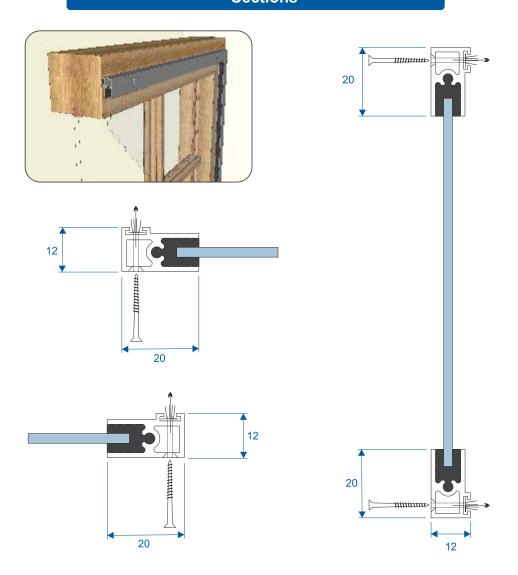
They have no opening mechanism and can not be easily removed for general cleaning or for ventilation.

The frames have pre-drilled fixing holes, prepped and countersunk ready for fixing.

Fixed Recommended Sizes			
Min Width	300 mm	Min Height	300 mm
Max Width	1500 mm	Max Height	2500 mm

Please note that all these sizes are recommended sizes and special requests to go under or over these sizes may be possible but will not carry the standard guarantee.

Sections

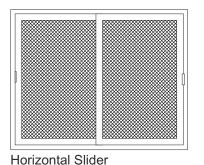


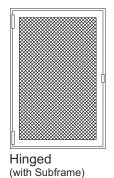
For more in-depth technical please contact us or consult our website.

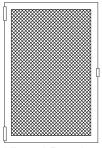
Fly Screens

Fly Screen Windows

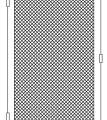
Manufactured from the same high quality materials as the glazed units these fine meshed panels allow windows to be opened without the fear of being invaded by flying insects.







Hinged Panel (no Subframe)



Max Height **Hinged Panel** (No Frame) Max Width 650 mm Max Height 1200 mm

Recommended Max Sizes

1300 mm

1200 mm

650 mm

1200 mm

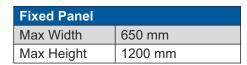
Horizontal Slider

Hinged (With Frame)

Max Width

Max Height

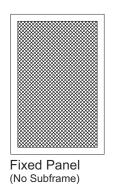
Max Width



Lift Out	
Max Width	650 mm
Max Height	1200 mm

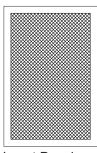
Insert Panel (In Place Of Glazed Panel)	
Max Width	650 mm
Max Height	1200 mm

Lift Out



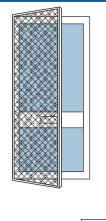
Magnetic Catches

Kick Plate



Insert Panel (in place of Glazed Panel)

Fly Screen Doors



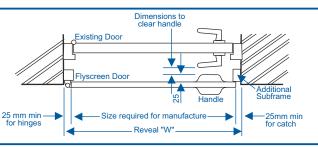
Hinges

Section through Flyscreen Door showing typical installation inside the reveals

Pull

Kick Plate

Handles



Features of Our Flyscreen Doors

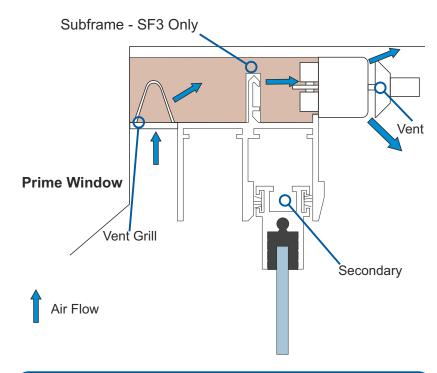
- Maintenance Free Aluminium.
- To Fit Doors up to 900mm x 2150mm.
- Strong Nylon coated fibre glass mesh.
- Inward or Outward opening.
- Choice of White, Silver or Brown Finish.
- Will lift off for Easy Storage.

Meeting stile angle 7/8" x 7/8" x 1/16" on the slave door Fitted on site in position required Prime Door Slave Door

Note: Maximum handle clearance is 40mm from the inside face of the frame

Trickle Vents & Trims

Trickle Vents



Trickle vents can only be used with a SF3 reveal fix subframe.

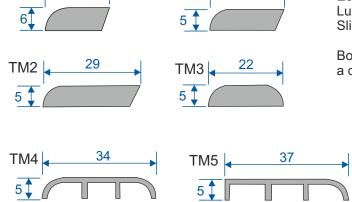
The vent is placed within the subframe and provides additional ventilation.







Trims



Economy odd leg, heavy duty & fixed are not provided with trims. Luxury Subframe is provided with TM1 white plastic as standard. Slim Line Equal leg is provided with TM0 primed tulip as standard.

Both luxury subframe and slim line equal leg can be provide with a different trim if requested at the point of order.

Trim material options:

TM0 - Tulip, Primed Tulip or Solid Oak.

TM1 - White Plastic, Tulip, Primed Tulip or Solid Oak.

TM2 - White Plastic, Tulip, Primed Tulip or Solid Oak.

TM3 - White Plastic, Tulip, Primed Tulip or Solid Oak.

TM4 - White Plastic, Tulip, Primed Tulip or Solid Oak.

TM5 - White Plastic, Tulip, Primed Tulip or Solid Oak.

We reserves the right to make changes to product specification. The images used are artistic representations and are not binding in detail, colour or specification.

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