



G.JAMES
Windows & Doors

RESIDENTIAL

Product Selector

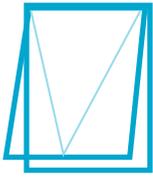


Front photo courtesy of Tabrizi Home Builders Pty Ltd



Your Options

Windows



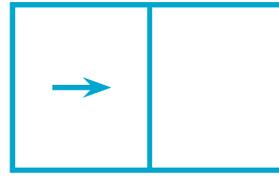
Awning
Page 6



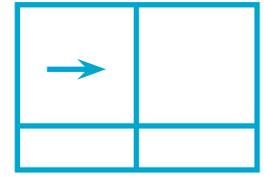
Casement
Page 7



Louvre
Page 8



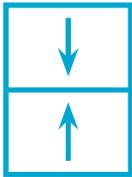
Sliding
Page 9



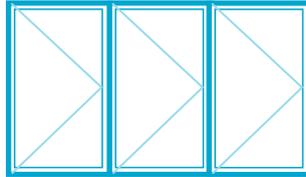
Window Wall
Page 10



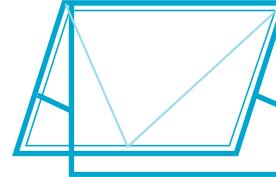
Fixed
Page 11



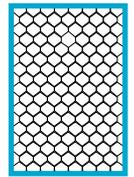
Double Hung
Pages 12 & 13



Bi-fold
Page 19

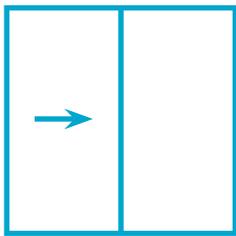


Gas-strut
Page 20

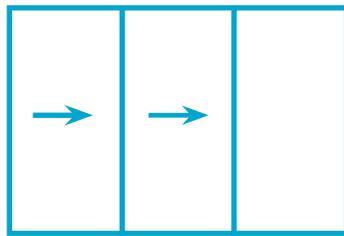


Screens
Page 14

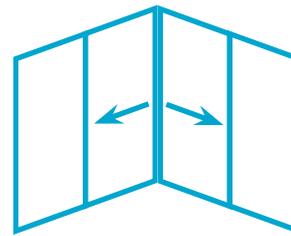
Doors



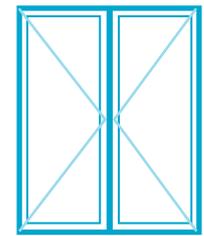
Sliding
Page 15



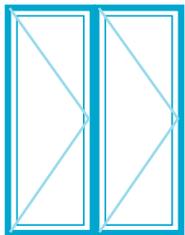
Sliding Stacker
Page 16



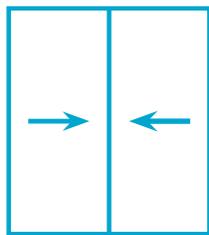
Corner Sliding
Page 15 & 17



Hinged
Page 18



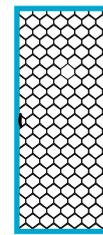
Bi-fold
Page 19



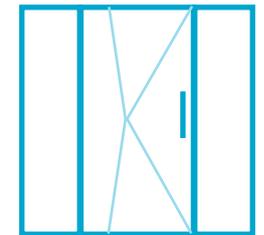
Sliding Wardrobe
Page 21



Showerscreens
Page 22



Screens
Page 14



**Pivot Door
Entry Units**
Page 18

General Notes applicable to all Pages:

- Contact your G.James representative or nearest branch if you have any questions or require further information (see back page for branch details).
- All configurations are viewed from the **outside** looking inside.
- When detailing sizes for quoting and ordering purposes, provide the outer frame dimensions excluding fixing fin by stating the **height** dimension first and width second.
- All dimensions are stated in millimetres.
- Other configurations and sizes than those detailed in this booklet may be available.
- All Size Ranges are based on an 'N3 Housing – General' wind rating. The availability of certain sizes and configurations will vary depending on the wind rating requirement for the site.
- Black hardware is supplied as standard.
- Drawings may not be to scale.
- Available on request (additional charges apply):
 - > Timber Reveals
 - > Security, noise reducing and energy efficient upgrades.
 - > Colonial, Federation and French glazing bars (not applicable to all products).

Welcome

Introduction

Established in 1917, G.James is today one of Australia's leading manufacturers of aluminium windows and doors, supplying to all sectors within the building and construction industry. Our 100 years of experience has been channeled into every aspect of our product range, customer service and industry knowledge as we strive to offer you the best value-for-money window and door products on the market.

Product Selection

During the building process a considerable amount of thought is given to selecting the type of brick, style of kitchen and colour of the bathrooms, however in many instances little consideration is given to the windows and doors. These elements are responsible for allowing natural light and ventilation into the home, maximising views and providing a level of security and privacy. It should also be remembered that windows and doors comprise around 25% of the average homes external appearance. With all this in mind you can appreciate why the selection of **your** windows and doors deserves more attention.

G.James is pleased to offer this booklet to assist you in the process of product selection, finalising your plans and nominating your window & door supplier. With our comprehensive range of products, 7 year guarantee and renowned after-sales service, we're confident that choosing G.James Windows & Doors will be one of the easiest decisions.

G.James is passionate about educating the home owner in what we believe to be important criteria to consider when selecting windows and doors. These criteria include Features and Benefits, Certification and Compliance, Colour Selection and Glass Selection.

Features and Benefits

Consumer research has consistently revealed that between 70 – 80% of people buy on 'quality/perceived value' of a product or service rather than 'price'. In the case of windows and doors, quality/value can be assessed in terms of the **extra** features and **long term** benefits offered by the product. So before deciding on which company will supply your windows or offered a particular window supplier as part of your 'Standards Inclusions', consider the following questions:

- Do the sliding windows have a sill inlay (for easier cleaning and improved water penetration)?
- Do the sliding doors have a sill threshold (for aesthetic and maintenance purposes)?
- Are the flyscreens easily removed both internally and externally (an important feature particularly for two storey homes)?
- Do the window rollers have stainless steel bearings (important for long term performance)?

- Do the window rollers have a 16mm dia. tyre (smaller tyres can develop flat spots causing the roller to skid along the track rather than roll)?
- What is the window supplier's after-sales service track record?
- Are the window handles located/engaged at the mullion (and not at the jamb end where the access to, and operation of the handle is hindered by curtains)?

Certification and Compliance

Are the windows you're purchasing tested, certified, inspected and guaranteed? The Australian Glass and Window Association (AGWA) Product Accreditation Program ensures that accredited members manufacture their windows and doors to exacting performance criteria. As an accredited member, every aspect of G.James' method of window construction is subject to 3rd party annual audits to ensure continuing compliance. In addition, AGWA members are required to produce windows and doors which meet the requirements of all relevant Australian Standards.

G.James is a strong advocate of marketing products that provide genuine performance and guaranteed reliability.

Colour Selection

Choosing the right colour for your window and door framing is crucial for enhancing your internal and external colour schemes, and ultimately for re-sale purposes. G.James is well aware of this aspect and annually reviews its standard powder coat colour range to keep up with the latest trends. In addition, we offer a range of clear and bronze anodised finishes. Refer to the G.James *Residential Colour Selector* for further details.

Glass Selection

Reducing external noise, saving on heating and/or cooling costs, extending the life of soft furnishings, reduced glare and extra security are some of the benefits achievable through correct glass selection. G.James has an extensive range of tinted, laminated and high performance glass products on offer to satisfy your glazing requirements.

Environmental

G.James is committed to energy conservation and preservation of the environment throughout its production processes. Further, our residential extrusions are manufactured in Australia from billet produced using recycled aluminium. This billet requires approx. 90% less power than original billet.

Your Next Step

Once you've considered all your options, we encourage you to contact your G.James representative so we can take the next step in the process of selecting your window and door supplier. If required, the details of your nearest branch can be found on the back page of this booklet.

Warranty

Thank you for considering G.James Windows & Doors. For your peace of mind, G.James windows and doors supplied to residential housing are proudly guaranteed against defects arising from faulty workmanship or materials for a period of seven (7) years from the invoice date of the goods, subject to the following conditions:

- The product has been installed in accordance with the relevant Australian Standards and recognised building practices
- The product has been maintained in accordance with the G.James cleaning and hardware maintenance instructions. For further details go to gjames.com/resources
- The product has not been subject to misuse, physical abuse or neglect
- Manufacturing standards and tolerances are not deemed defects, nor are industry variations in the colour of the aluminium surface finish
- G.James assumes no liability for damage caused by cleaning solvents, mortar or brick cleaning acids
- This warranty is limited to the repair or replacement of the faulty product at the company's discretion but does not extend to the installation or refinishing of a replacement product. No liability is accepted by G.James for personal injury, loss or claim or property damage, installation costs, material or other costs (whether special, consequential or otherwise) howsoever caused or arising whether direct or indirect
- Only repairs carried out by G.James personnel or authorised G.James agents are covered by this warranty
- Claims under this warranty should be made within one month of the defect arising in the product. Copies of documentation showing the purchase date of the product should be included with your written claim and forwarded to the nearest G.James branch
- This warranty is in addition to all other rights and remedies in respect of the product to which you are entitled under the Trade Practice Act and similar State and Territory laws.

We are confident our products will perform to, if not exceed your expectations. Should you wish to offer feedback on any of our products or services then please call (07) 3877 2373.



G.James Windows & Doors is a member of the Australian Glass and Window Association and as such conforms to an Industry Code of Conduct designed to protect consumers.

Cleaning Instructions

For instructions relating to glass and aluminium cleaning and hardware maintenance go to gjames.com/resources.

Of note is the cleaning instructions for the interior surface of Solect and other low-E coated glass products. As the interior surface of these high performance products is treated with a microscopically thin coating, G.James recommends that the coated, interior surface be hand cleaned ONLY. The use of a squeegee or metal scrapers/blades is not recommended. For further details go to gjames.com/resources/glass-cleaning-instructions.

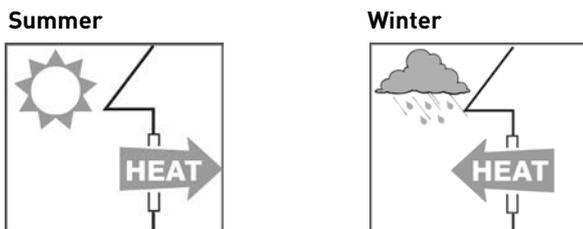
Disclaimer

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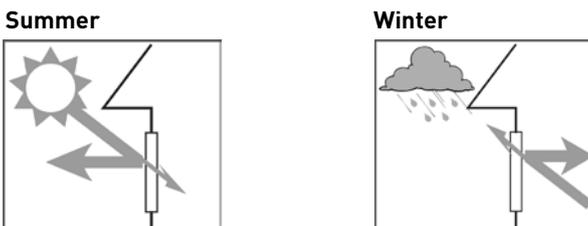
G.James has been careful and diligent to ensure the accuracy of all the information contained in this booklet but to the extent limited by law, G.James accepts no responsibility for any inaccuracies of any kind. Due to continual product development, changes within the window industry and amendments to relevant standards, G.James reserves the right to add, alter or delete any information or offers contained in this booklet without notice.

Window Energy Rating Scheme (WERS)

Surprisingly windows are one of the most complex and important (comfort) elements in today's home. Whilst providing light, fresh air and views, windows represent a major source of unwanted heat loss in winter & heat gain in summer.



Recent advances in glazing materials have improved the performance of windows to the extent where energy efficient windows and doors can make your home more comfortable and significantly reduces your energy costs.



Window Energy Rating Scheme (WERS) rates the energy impact of residential windows in Australia. With up to 40% of a home's energy for cooling and heating being lost or gained through the windows, improving their thermal performance reduces energy costs and greenhouse gas emissions.

The aim of WERS is to help home builders and home owners evaluate the relative energy (heating and cooling) performance of different types of windows by rating that performance in terms of stars. 'No star' indicates a very poor performing window whilst '10 stars' signifies superior performance.

G.James Whole of Window (WOW) Performance

WOW performance figures are provided by WERS and have been determined using NFRC / AFRC¹ protocols & procedures. They are appropriate for use in the Building Code of Australia (BCA) Glazing Calculator which assesses glazing compliance to the Energy Efficiency section of the BCA.

The results contained within the WERS Certified Product Directory can also be used for matching NFRC performance figures from BASIX² and for second generation 'whole of house' software tools such as AccuRate, BERSPro and FirstRate5.

¹ NFRC is the National Fenestration Rating Council. AFRC is the Australian Fenestration Rating Council.

² BASIX is the Building Sustainability Index.

Different Windows for Different Climates

Not all windows perform the same in different climates. Orientation and shading can also influence the performance of a window within a home.

Hot Climate Zones

This is where cooling your home and preventing heat gain is the priority. Select window types with a lower Solar Heat Gain Coefficient (SHGC_w) and those that provide good ventilation such as G.James 050 Series Louvres. Also choose products glazed with a tinted glass. Further a lower U-value (U_w) product will improve the overall thermal performance.

Cold Climate Zones

This is where heating your home and preventing heat loss is the priority. This can be achieved by installing window types with a lower U-value as they reduce heat loss to the outside during the winter months.

Consider choosing products that are double glazed (IGU) or glazed with a high performance glass from the G.James Solect® range.

Mixed Climate Zones

This is where both heating and cooling your home is required. In a mixed climate zone, consider whether heating or cooling is the primary motivation.

Whichever is the case, refer to the relevant 'Cooling' or 'Heating' recommendations above. If neither heating nor cooling prevails, a lower U-value product provides better thermal performance. Whilst a lower SHGC product can reduce the solar heat gain from the window.

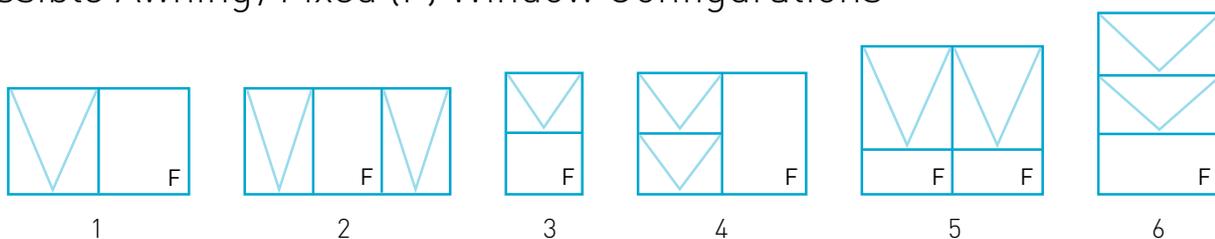
For further information visit www.wers.net

048 Series Awning Window

Standard Size Range / Configurations

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	650							
	950							
	1250							
	1550							
	1850							

Possible Awning/Fixed (F) Window Configurations



Product Specific Notes:

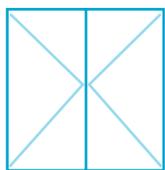
- Sizes detailed above are based on 'top hung' sashes with chainwinder. Certain sizes may not be available if stays and cam handle hardware option is specified.
- Black chainwinders supplied as standard. White, Silver and keyed chainwinders available on request (additional cost applies).
- Configurations greater than 2410mm wide available.
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.
- Minimum window width for a 'centre drive' chainwinder is 540mm. Minimum window width for 'off-centre drive' winder is 450mm.

048 Series Casement Window

Standard Size Range / Configurations

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	950							
	1250							
	1550							

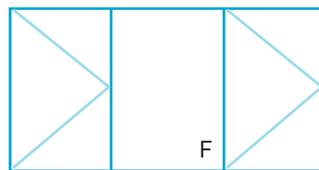
Possible Casement/Fixed (F) Window Configurations



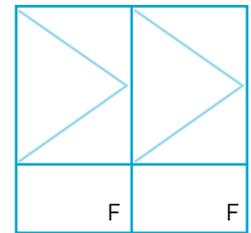
1



2



3



4

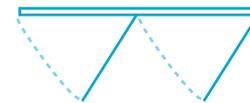
Opening Options:

Left Hand Hinged



Window opens (hinges) to the left and handle positioned on the right as viewed from the outside.

Right Hand Hinged



Window opens (hinges) to the right and handle positioned on the left as viewed from the outside.

Product Specific Notes:

- When ordering, nominate the handing of the window, ie. the position, either left or right, of the handle as viewed from the outside.
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.
- Black hardware supplied as standard (excluding stays). White, silver and keyed handles available on request (additional charge applies).

050 Series Louvre Window Standard Heights

102mm ALTAIR® LOUVRE				130mm ALTAIR® LOUVRE				152mm ALTAIR® LOUVRE			
GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME
Blades	mm	mm	mm	Blades	mm	mm	mm	Blades	mm	mm	mm
3	310	336	361	2	270	296	321	2	320	346	371
4	400	426	451	3	388	414	439	3	460	486	511
5	490	516	541	4	506	532	557	4	600	626	651
6	580	606	631	5	624	650	675	5	740	766	791
7	670	696	721	6	742	768	793	6	880	906	931
8	760	786	811	7	860	886	911	7	1020	1046	1071
9	850	876	901	8	978	1004	1029	8	1160	1186	1211
10	940	966	991	9	1096	1122	1147	9	1300	1326	1351
11	1030	1056	1081	10	1214	1240	1265	10	1440	1466	1491
12	1120	1146	1171	11	1332	1358	1383	11	1580	1606	1631
13	1210	1236	1261	12	1450	1476	1501	12	1720	1746	1771
14	1300	1326	1351	13	1568	1594	1619	13	1860	1886	1911
15	1390	1416	1441	14	1686	1712	1737	14	2000	2026	2051
16	1480	1506	1531	15	1804	1830	1855	15	2140	2166	2191
17	1570	1596	1621	16	1922	1948	1973	16	2280	2306	2331
18	1660	1686	1711	17	2040	2066	2091	17	2420	2446	2471
19	1750	1776	1801	18	2158	2184	2209	18	2560	2586	2611
20	1840	1866	1891	19	2276	2302	2327	19	2700	2726	2751
21	1930	1956	1981	20	2394	2420	2445	20	2840	2866	2891
22	2020	2046	2071	21	2512	2538	2563	21	2980	3006	3031
23	2110	2136	2161	22	2630	2656	2681	22	3120	3146	3171
24	2200	2226	2251	23	2748	2774	2799				
25	2290	2316	2341	24	2866	2892	2917				
26	2380	2406	2431								
27	2470	2496	2521								
28	2560	2586	2611								
29	2650	2676	2701								
30	2740	2766	2791								
31	2830	2856	2881								
32	2920	2946	2971								

Maximum Frame Width (mm) / General Pressures / 101mm Frame

Wind Rating - General	SLS / ULS Pressures	6mm Toughened Glass Blades	6mm Annealed / 6.38mm Laminated Glass Blades	Aluminium Blades
N1 - N3	600 / 1400 Pa	1050mm	930mm	1050mm
N4	800 / 2000 Pa	1050mm	780mm	
N5	1200 / 3000 Pa	1050mm	630mm	
C1	600 / 1800 Pa	1050mm	820mm	
C2	800 / 2700 Pa	1050mm	670mm	
C3	1200 / 4000 Pa	900mm	550mm	

Notes:

- Applies to 102, 130 & 152mm blades
- Maximum widths are calculated in accordance with AS 1288 (for windloads)
- Water performance requirements may reduce gallery height (ie. number of blades high) and maximum blade width
- Consult your G.James representative for external corner pressure zones as classified under AS 4055.

Product Specific Notes:

- When ordering, nominate width of clip (either 102, 130 or 152mm) and frame width (either 48 or 101mm).
- Frame option dependent on water penetration requirements
- Altair 'Standard' handle supplied as standard. Low profile, keyed and ring pull handles available on request (additional charge applies).
- All dimensions refer to single bay units.
- Black handle(s) and clips supplied as standard. White & grey handle and clips available on request (additional charge applies).
- Consult your G.James representative regarding non-standard heights and maximum widths for other wind classes and external corner pressure zones.

132 Series Sliding Window

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

		Width (mm)							
		660	960	1260	1560	1860	2160	2460	2760
		610	910	1210	1510	1810	2110	2410	2710
650	600								
950	900								
1250	1200								
1550	1500								

Legend

X	O	X	O	X	O	X	O
Slider	Fixed						
1/2	1/2	1/4	1/2	1/4	1/4	1/4	1/4

Note: The above Size Range also applies to the 076 Series Double Glazed Sliding Window (XO & XOX configurations only available).

Product Specific Notes:

- Configurations greater than 2710mm wide are available.
- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider / fixed) unless requested otherwise.
- Key lock handle upgrade available (additional cost applies).

132 Series Window Wall

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

		Width (mm)							
		960	1260	1560	1860	2160	2460	2760	3060
		910	1210	1510	1810	2110	2410	2710	3010
Height (mm)	1850								
	1800								
	2150								
	2100								

* Not available as a 1500/600mm split

Legend

1800mm High Split

XO / OO	XOX / OOO	OXXO / OOOO
1200mm 600mm 	1200mm 600mm 	1200mm 600mm
1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4

Options

XO / XO Window Wall

XO with 3 Bay Louvre Low Light

Window Wall with Semi-Circle Head

Window Wall with Raked Head

2100mm High Split Options (Customer is to nominate the height split required at time of order).

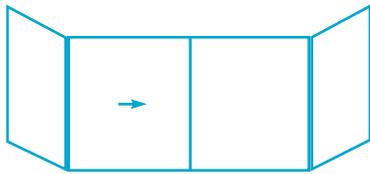
XO / OO	XOX / OOO	OXXO / OOOO
1200mm 900mm 	1200mm 900mm 	1200mm 900mm
1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4
XO / OO	XOX / OOO	OXXO / OOOO
1500mm 600mm 	1500mm 600mm 	1500mm 600mm
1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4

Product Specific Notes:

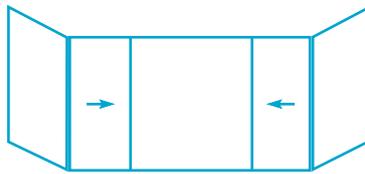
- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider/ fixed) unless requested otherwise.
- The above '2100mm high' illustrations are scaled with a 1500/600 transom split with the exception of 2110mm & 2410mm wide units which are only available with a 1200/900mm split.
- Mullion(s) to bottom fixed panels will be supplied as standard unless otherwise requested.
- All panels to the lower portion of a window wall will be supplied as fixed panels unless requested otherwise.
- Height splits refer to the centre of the transom.
- Key lock handle upgrade available (additional cost applies).



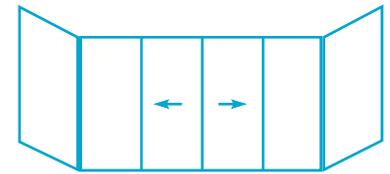
132 Series Bay Window Configurations



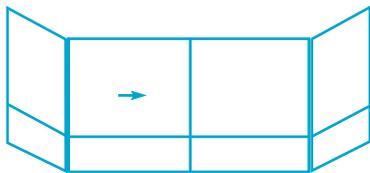
X0 Bay



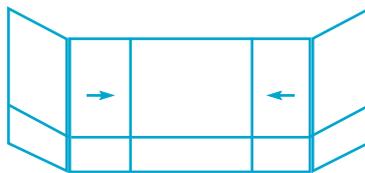
XOX Bay



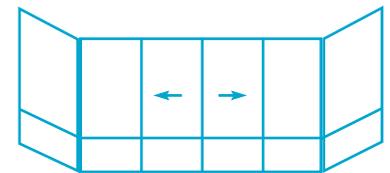
OXX0 Bay



X0 Window Wall Bay



XOX Window Wall Bay



OXX0 Window Wall Bay

Product Specific Notes :

- All configurations are viewed from the outside looking inside.
- Standard height and width dimensions are as per the 132 Series Sliding Window and Window Wall Size Range – see Pages 9 & 10.

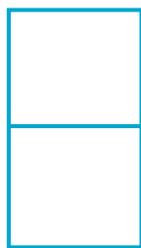
- Bay window configurations illustrated above show a 135° angle, 90° available upon request.

Fixed Windows Configurations

Rectangle / Square



Single Panel



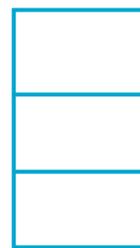
Two Panel – Equal (Horz.)

1/2
1/2



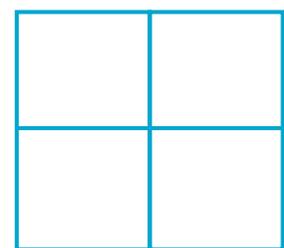
Two Panel – Unequal (Horz.)

2/3
1/3



Three Panel – Equal (Horz.)

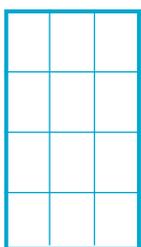
1/3
1/3
1/3



Four Panel – Equal Corners

1/2 1/2
1/2
1/2

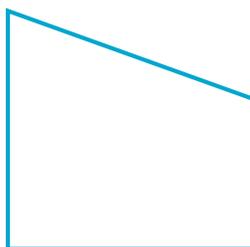
Other



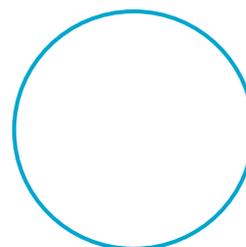
Colonial Bars



Federation Bars



Raked Window



Circle



Semi-Circle

Product Specific Notes:

- A minimum diameter of 600mm (painted frames) and 800mm (anodised frames) applies to circles, semi-circles and arches.

136 Series Double Hung Window

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

Width (mm)

		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
950	900							
	1250							
1550	1500							
	1850							
2150	2100							

Product Specific Notes:

- Due to weight limitations on various operating components, sizes which exceed the standard size range may not be available.
- For windows 1800mm high and over, it is recommended to consider the operation of the window to ensure the configuration selected is the best 'fit-for-purpose'. Issues such as reach, sash weight and furniture position are some aspects that can affect the ability to open and close a double hung window. The option of selecting a Counter Balance operation in such situations should be considered.
- Multiple bay configurations will be supplied in equal splits.
- Where a choice of configuration for a particular width is illustrated above, the customer is to nominate the number of bays required.
- Single bay windows over 1000mm in width will be fitted with two (2) catches as standard.
- Spring-balance type operation is supplied as standard unless counter balance type is requested.

136 Series Double Hung / Fixed Panel Window Combinations

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

Width (mm)

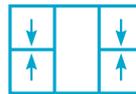
		1260	1560	1860	2160	2460	2760	3060
		1210	1510	1810	2110	2410	2710	3010
950	900							
	1250							
1550	1500							
	1800							
2150	2100							

Legend



1/2 1/2

2110mm wide Windows only



1/3 1/3 1/3

Windows over 2410mm wide



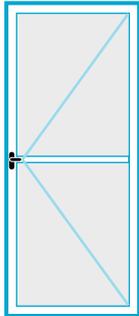
1/4 1/2 1/4

140 Series Screens

Product Range

FLYSCREENS

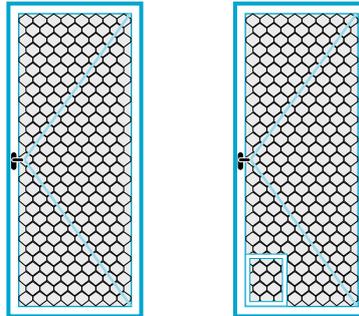
Hinged Flyscreen Door
(Manufactured to suit opening)



HF

BARRIER SCREENS

Hinged Barrier Screen Door
(Manufactured to suit opening)

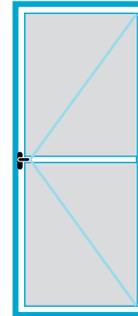


HS

HSD

CRIMS SAFE® SCREENS

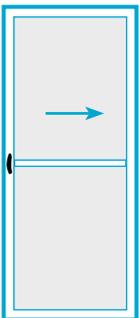
Hinged Crimsafe Door
(Manufactured to suit opening)



HC

Sliding Flyscreen Door

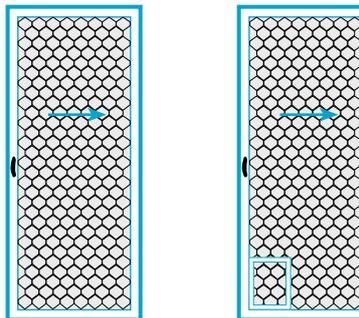
(Manufactured to suit
245/246 Series Sliding Doors)



DF

Sliding Barrier Screen Door

(Manufactured to suit
245/246 Series Sliding Doors)

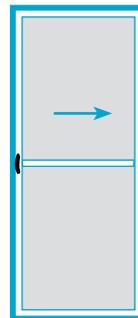


DS

DSD

Sliding Crimsafe Screen Door

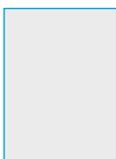
(Manufactured to suit
245/246 Series Sliding Doors)



DC

Fixed Flyscreen

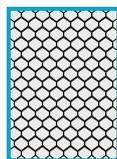
(Manufactured to suit 048 Awning,
050, 131/132 & 136 Series Windows)



WF

Fixed Barrier Screen

(Manufactured to suit 048 Awning,
050, 131/132 & 136 Series Windows)



WS

Fixed Crimsafe Screen

(Manufactured to suit 048 Awning,
050, 131 & 136 Series Windows)



WC

Product Specific Notes:

- All flyscreens are supplied with fibreglass mesh as standard.
- Pet Mesh™, aluminium and stainless steel mesh substitutes may be available upon request.

Product Specific Notes:

- All barrier screens incorporate 7mm ArmaGrille® (security mesh) and self latching keylock handle (door only).
- Handle height is dependent on the position of any internal door hardware.
- Hinged barrier screens can be upgraded to comply with Australian Standards AS 2803 upon request.
- HSD and DSD types illustrate a barrier door with a top-hinged, dual action pet door.
- It is recommended that a qualified installer fit barrier screens.
- Black anodised ArmaGrille® is supplied as standard.

Product Specific Notes:

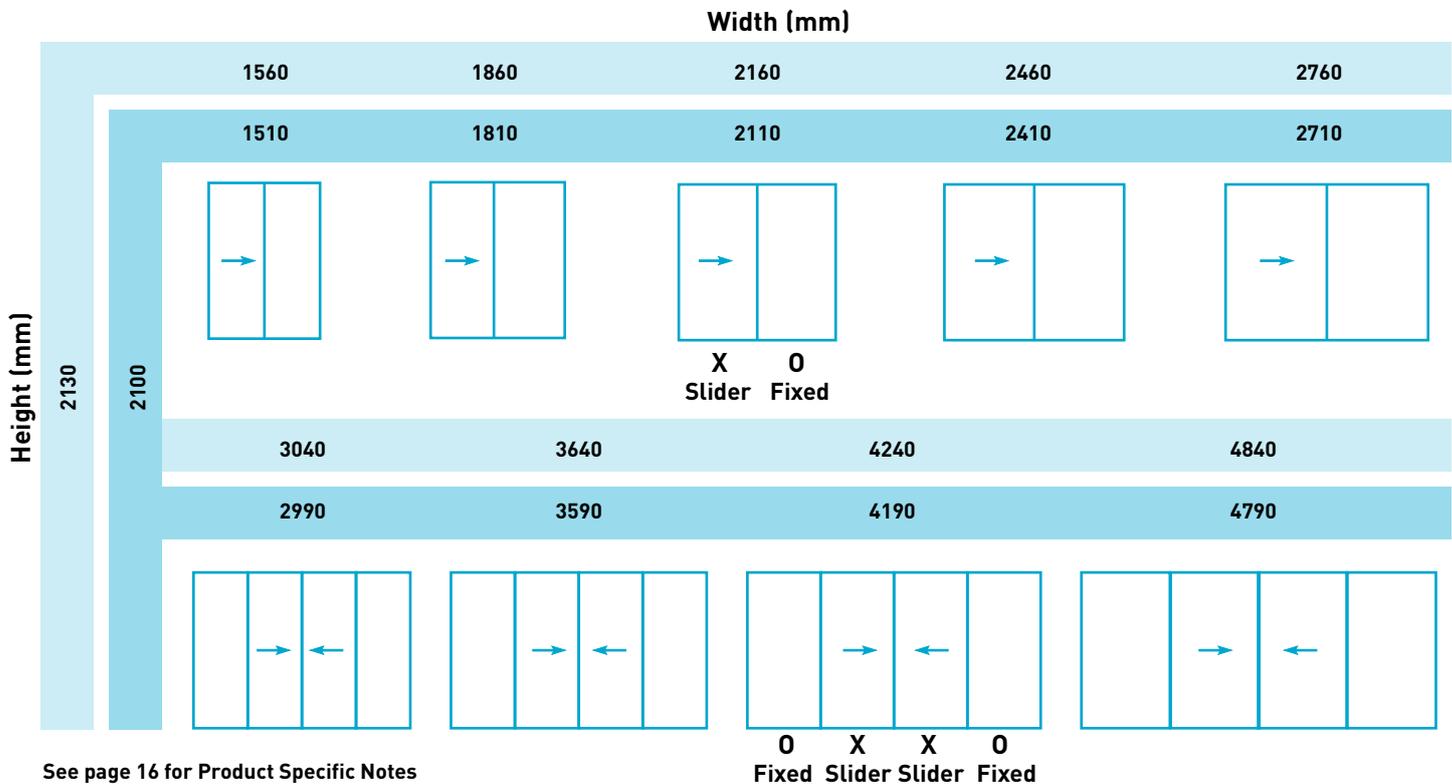
- Handle height is dependent on customer requirements.
- The specification for this product requires a midrail be fitted to Crimsafe screens which exceed certain size parameters.
- Maximum Crimsafe screen width 1550mm.
- It is recommended that a qualified installer fit Crimsafe screens.
- Crimsafe is a registered trademark of Crimsafe Security Systems Pty Ltd.

246 Series - 3 Track (101mm) Sliding Door

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

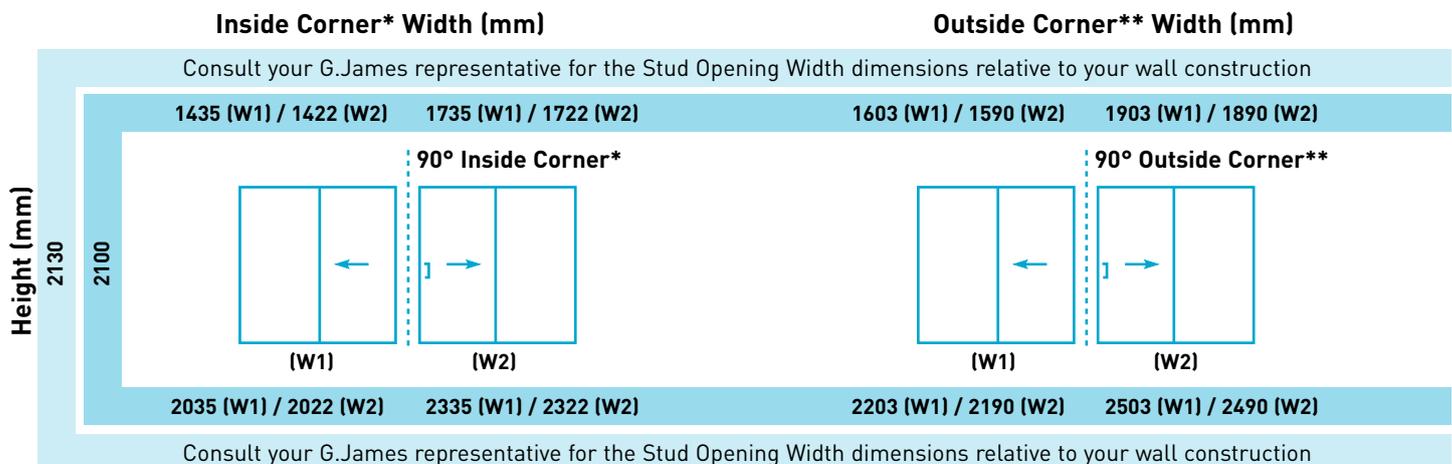
Outer Frame Size (excludes fixing fin & reveals)



Corner Door – Standard Size Range / Configurations

Stud Opening (Important: Refer Size Chart and Product Specific Notes below)

Outer Frame Size (excludes fixing fin & reveals)



* Refer Page 17, Diagram 1 for the orientation of an *Inside Corner* configuration.

** Refer Page 17, Diagram 2 for the orientation of an *Outside Corner* configuration.

Important - Corner Door Product Specific Notes:

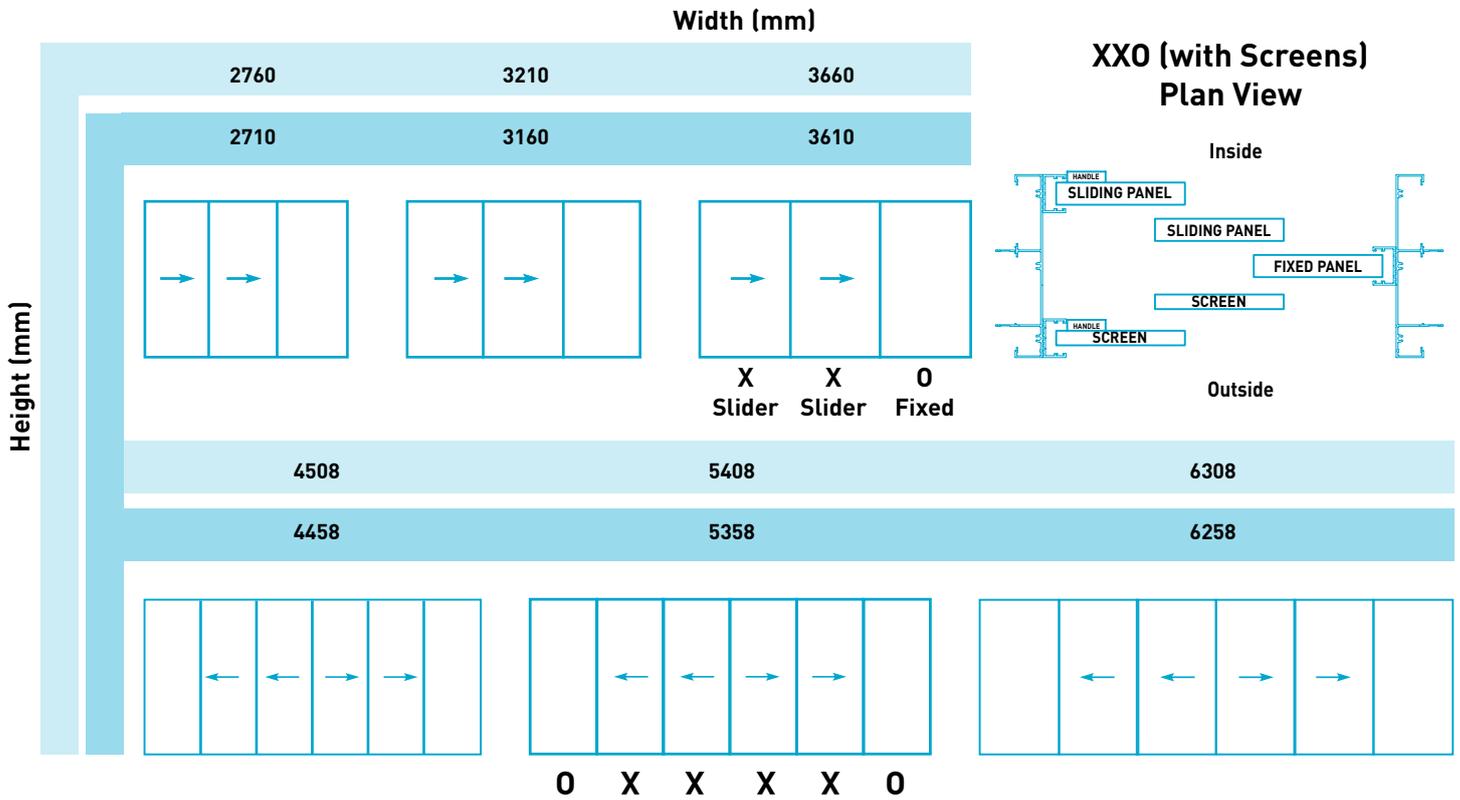
- Consult your G.James representative for:
 - > *Stud Opening* width dimensions relative to your wall construction
 - > Specific reference points for (W1) & (W2) dimensions
 - > Set-out details.
- The *Outer Frame Size* dimensions are based on standard size, toughened glass panels. Additional charge will apply for non-standard sizes.

246 Series - 5 Track (168mm) Sliding Door

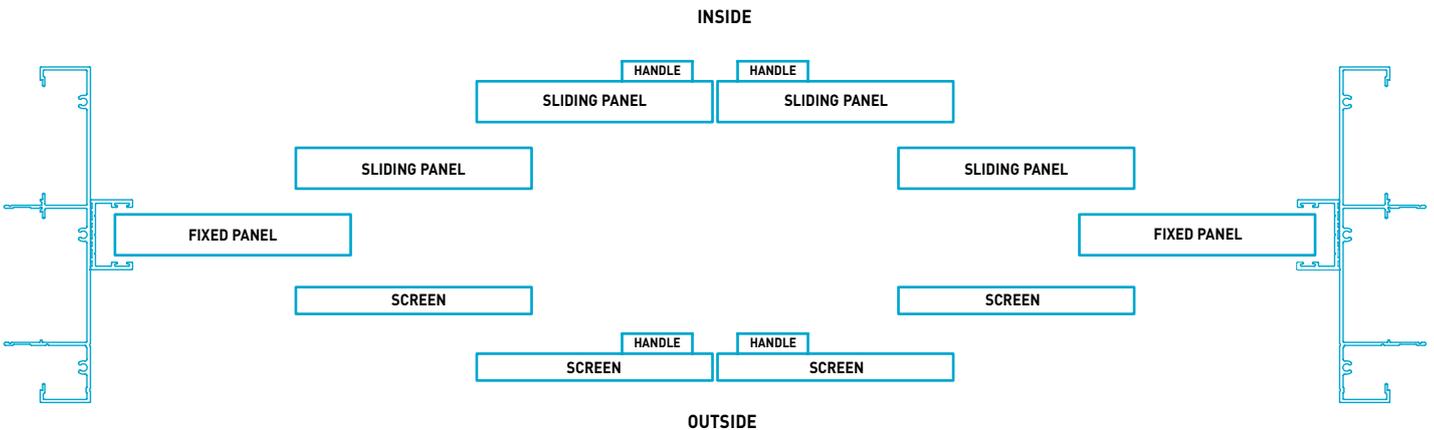
Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)



OXXXX0 (with Screens) Plan View



Product Specific Notes:

- All sliding panels are positioned on the inner most track(s) with any screens to the outer track(s).
- All sliding panels are positioned on the inner most track(s) with any screens to the outer track(s). This situation may differ for XX0 and OXXXX0 configurations - check with your G.James Representative.
- The frame size of all 2100mm high doors supplied to N5C3 (W60) category sites will be at 2054mm high.
- Sizes up to 2400mm, non-screenable configurations and low profile sill (excluding corner doors) are available on request.

246 Series - 5 Track (168mm) Corner Door

Standard Size Range / Configurations

Stud Opening (Important: Refer Size Chart and Product Specific Notes below)

Outer Frame Size (excludes fixing fin & reveals)

Inside Corner Width (mm) - see Diagram 1 below

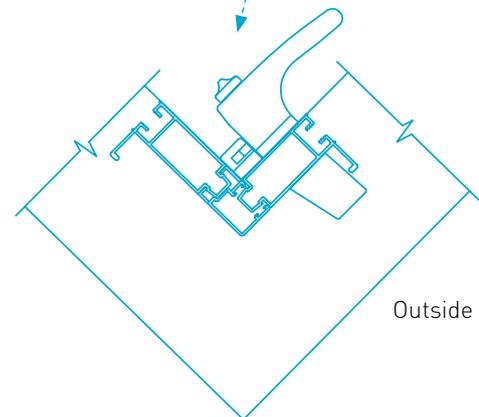
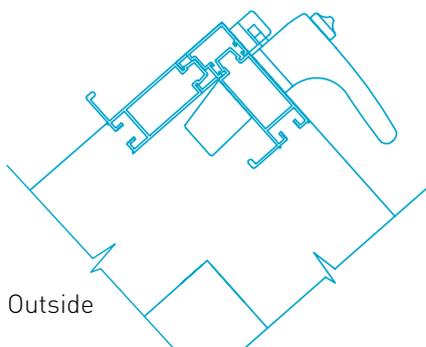
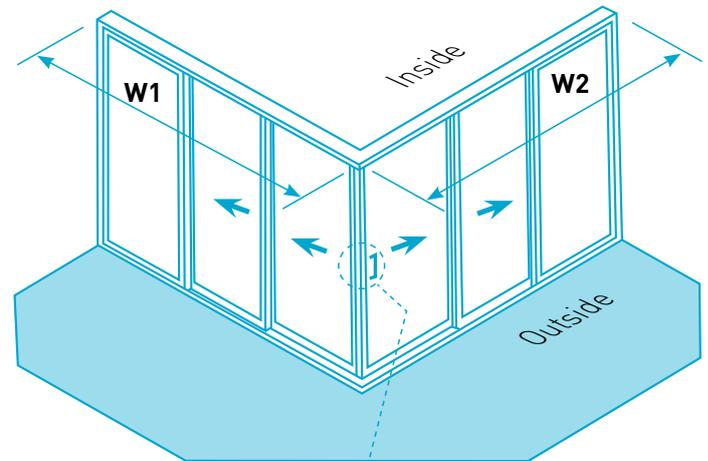
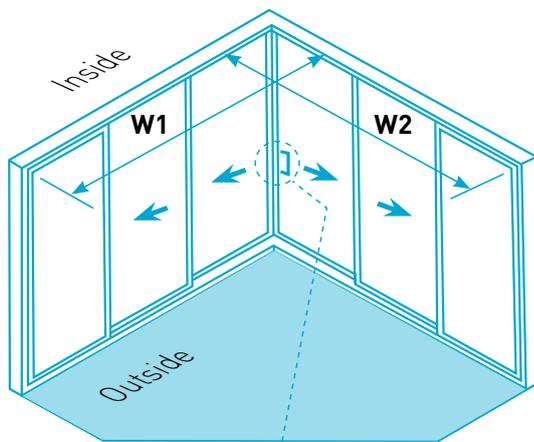
Outside Corner Width (mm) - see Diagram 2 below

Consult your G.James representative for the Stud Opening Width dimensions relative to your wall construction

Height (mm)	2103 (W1) / 2090 (W2)	2553 (W1) / 2540 (W2)	2404 (W1) / 2391 (W2)	2854 (W1) / 2841 (W2)
	90° Inside Corner		90° Outside Corner	
	2130	2100		
	3003 (W1) / 2990 (W2)	3453 (W1) / 3440 (W2)	3304 (W1) / 3291 (W2)	3754 (W1) / 3741 (W2)
	Consult your G.James representative for the Stud Opening Width dimensions relative to your wall construction			

Diagram 1 – Inside Corner

Diagram 2 – Outside Corner



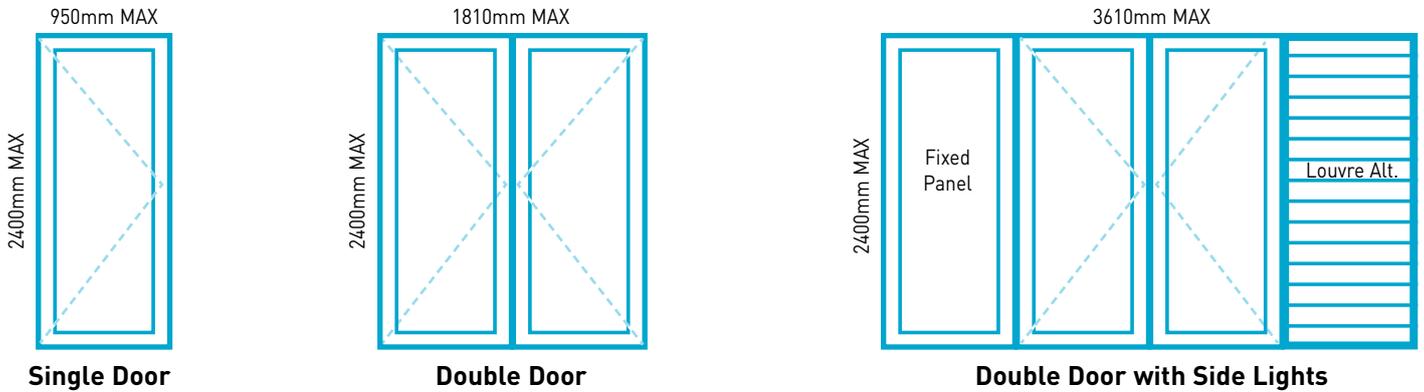
Important - Corner Door Product Specific Notes:

- Consult your G.James representative for:
 - > Stud Opening width dimensions relative to your wall construction
 - > Specific reference points for (W1) & (W2) dimensions
 - > Set-out details.

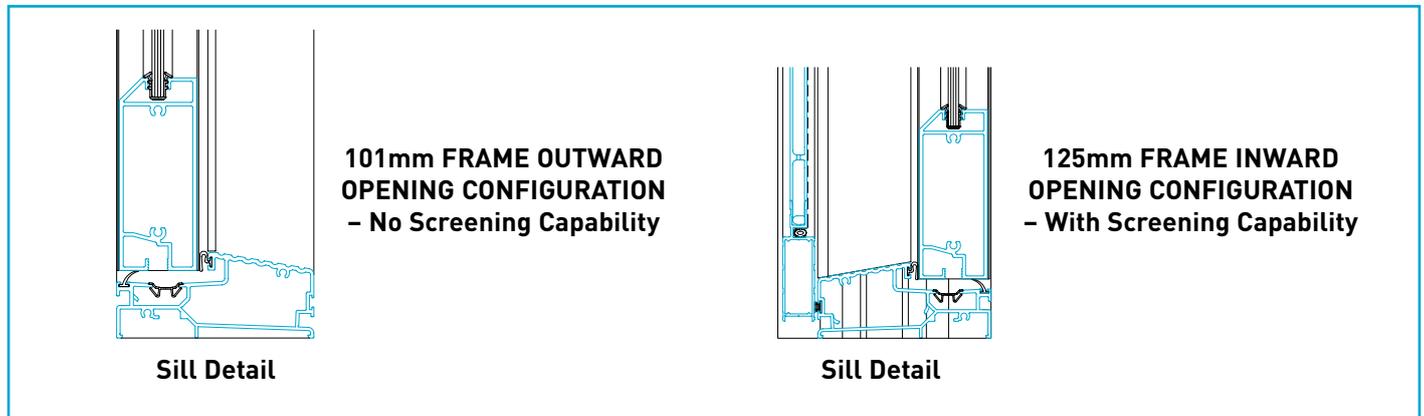
- The Outer Frame Size dimensions are based on standard size, toughened glass panels. Additional charge will apply for non-standard sizes.

472 Series Hinged Door

Size Range / Configurations



Frame Options:

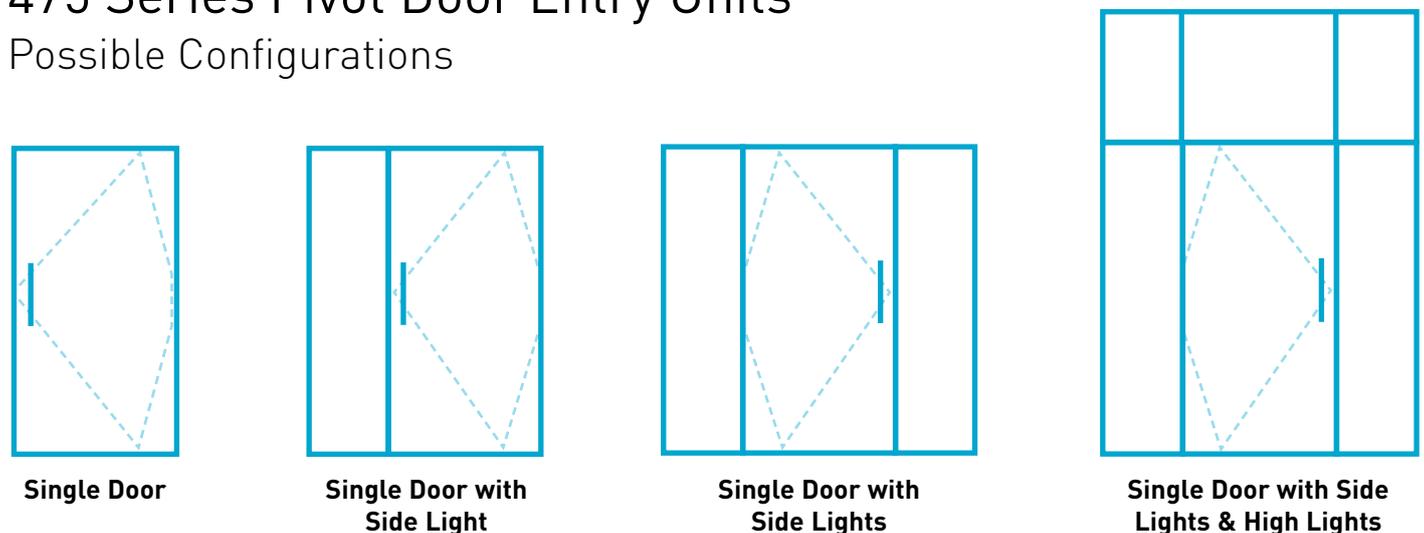


Product Specific Notes:

- Lock Options available:
 - > Single Doors: Standard & Premium
 - > Double Doors: Standard, Intermediate, Premium & High Wind.

475 Series Pivot Door Entry Units

Possible Configurations

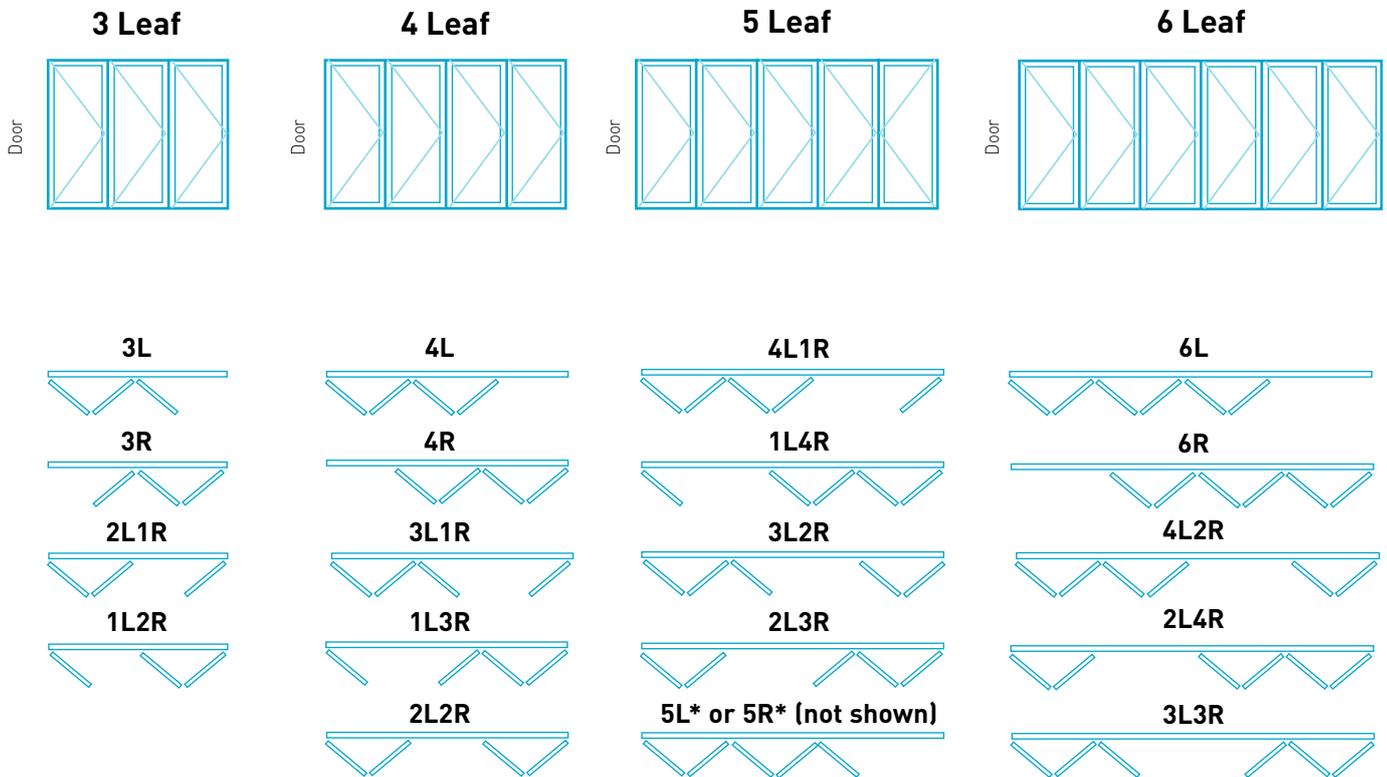


Product Specific Notes:

- Consult your G.James representative regarding sizes, configurations and handle & locking options.

477 Series Bi-fold Door

Size Range / Configurations



* Five leaf configurations should be carefully considered as they require a particular opening and closing sequence. Please consult your G.James representative for further details.

Size Limitations (Guide only and based on N3 Housing – General wind rating)

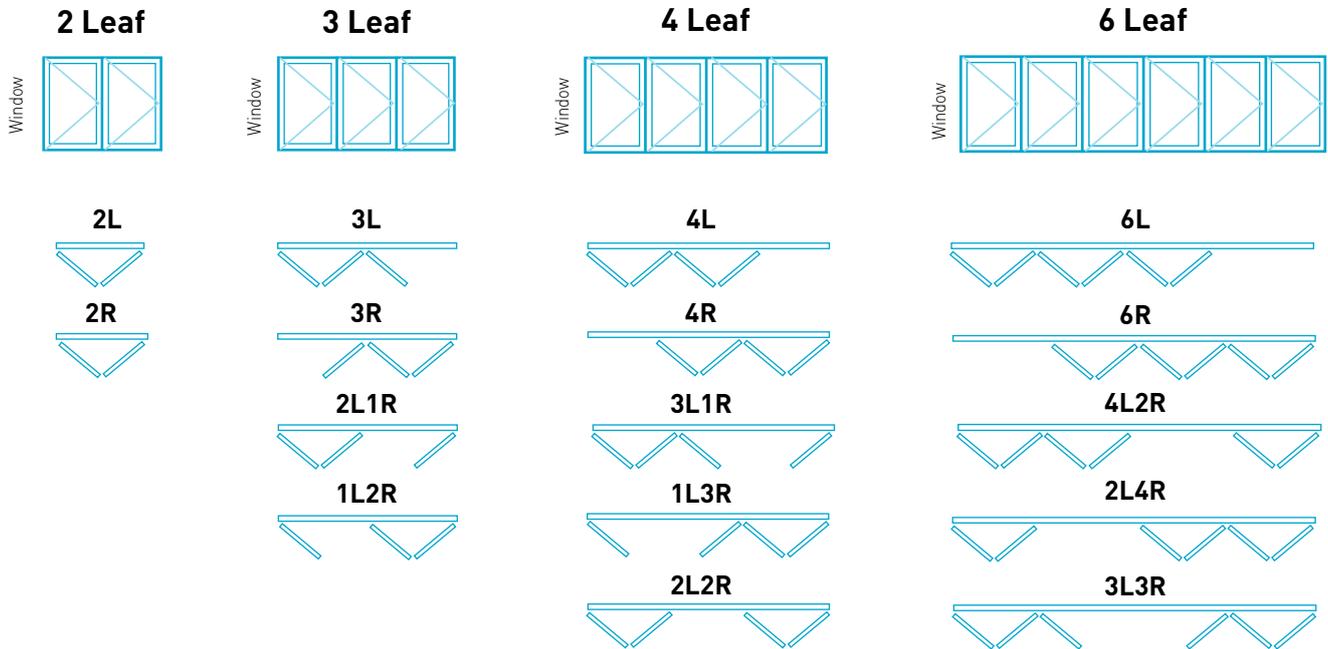
Product	Max. Height (mm)	Min. Width per Leaf (mm)	Max. Width per Leaf (mm)	Other
477-220 Series Top Hung Bi-fold Door (Structural beam by builder required for this product).	3000	700	<ul style="list-style-type: none"> > All 3L, 3R, 5L & 5R configs – 950mm > All other configs – 1000mm 	> Max. panel weight – 40 kg.
477-520 / 477-570 Series Bottom Rolling Bi-fold Door	2550 (Max. height is dependent on leaf width)	450	<ul style="list-style-type: none"> > All 3L & 3R configs – 900mm > All other configs – 1000mm 	<ul style="list-style-type: none"> > Max. panel weight – 80 kg > 5L & 5R configurations are available in the 477-570 Series only.

Product Specific Notes:

- A structural overhead beam is required for 477-220 Series Bi-fold Doors. All beams are to be supplied by the builder and engineered with a maximum 3mm sag when subjected to live and dead loads.
- Bi-fold Door/Window combinations are also possible however these units are suitable for sheltered, non-exposed positions only.
- Consult your G.James representative regarding configurations greater than 5 leaves to determine the most suitable configuration for your situation.
- Internal screening is available upon request, limitations apply.

477 Series Bi-fold Window

Size Range / Configurations



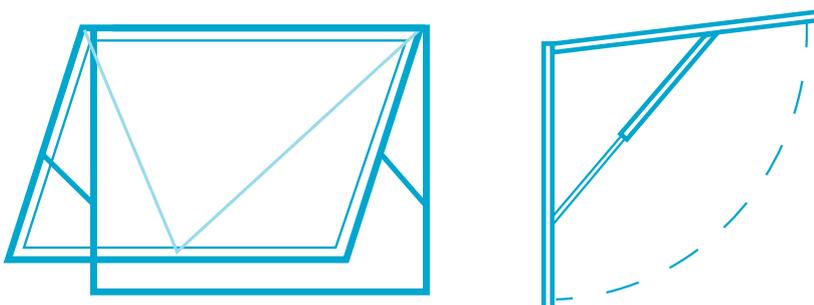
Size Limitations (Guide only and based on N3 Housing – General wind rating)

Product	Max. Height (mm)	Min. Width per Leaf (mm)	Max. Width per Leaf (mm)	Other
477-530 Series Bi-fold Window (Note: Structural beam (by builder) required for windows exceeding 2500mm in width <u>or</u> 20 kg per leaf. See also first note below).	2100	450	1000	> Max. weight per leaf – 40 kg. > Standard Sill, Flush Sill (FS) & No Sill (NS) options available. > FS & NS windows are suitable for sheltered, non-exposed positions only. > NS windows have configuration restrictions.

Product Specific Notes:

- Bi-fold Door/Window combinations are also possible however these units are suitable for sheltered, non-exposed positions only.
- Internal screening is available upon request, limitations apply.

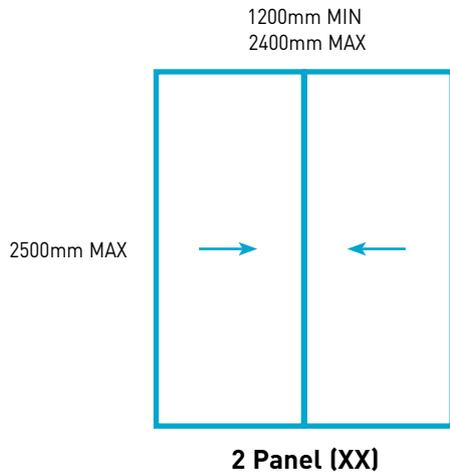
Gas Strut Window



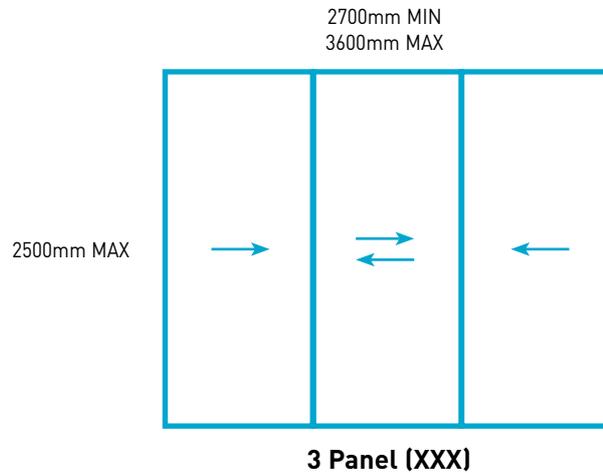
Specifications
> Max. height - 1500mm > Max. width - 2500mm > Min. height - 450mm > Max. weight - 55 kg
(Guide only, subject to site conditions)

801 Series Sliding Wardrobe Door

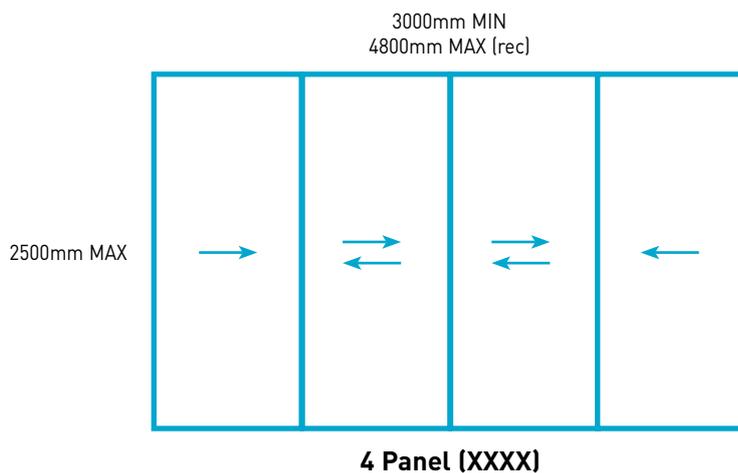
Size Range / Configurations



2 Panel (XX)



3 Panel (XXX)



4 Panel (XXXX)

Possible Panel Options (combinations available):

- Vinyl-backed Mirror
- Lamiwood
- Plasterboard (vinyl coated or raw finish)
- MDF

Product Specific Notes:

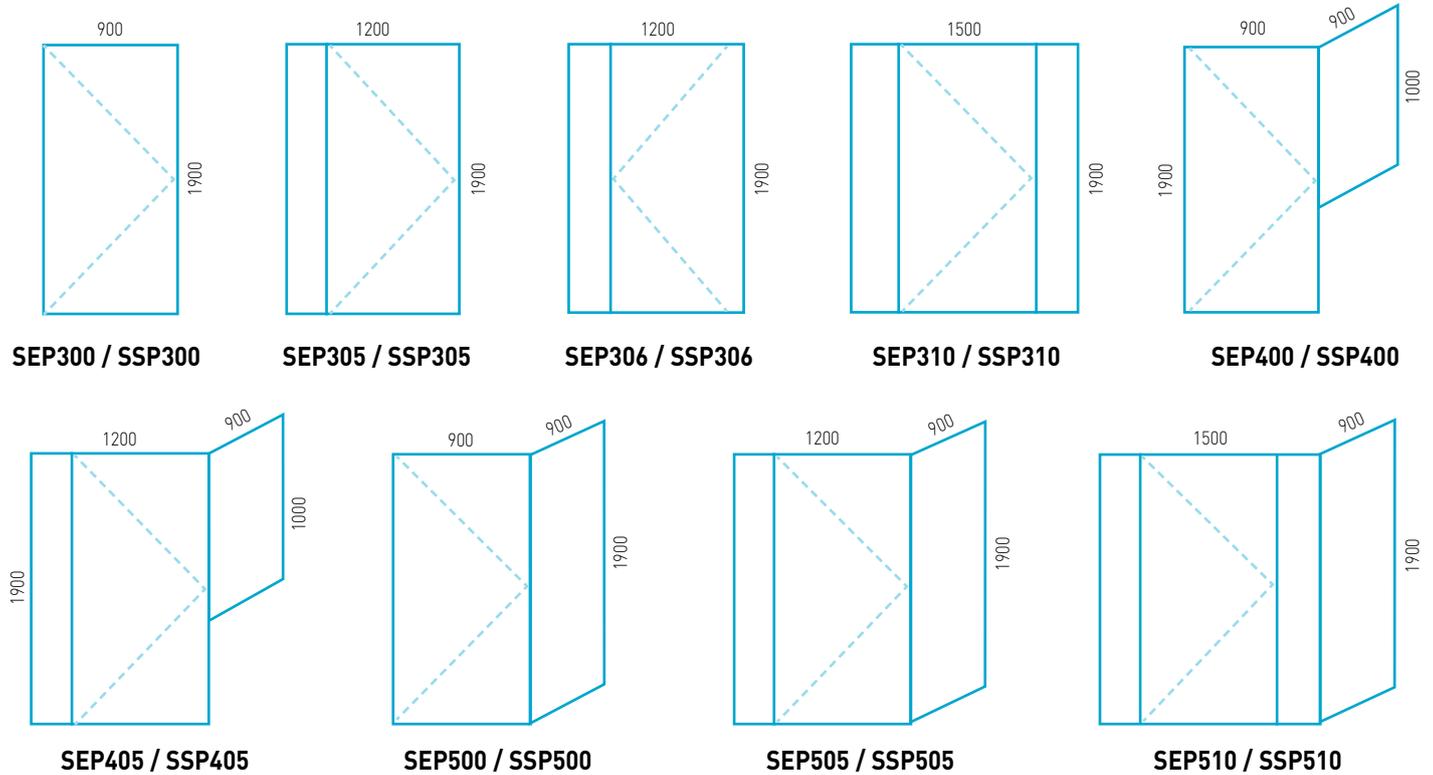
- Wardrobe doors are individually measured to suit the opening.
- A black buffer strip is supplied as standard to all doors with the exception being those panels supplied in Powder Coat White and Pearl White where a white buffer will be supplied as standard.
- Plaster board panels are available in either vinyl coated or raw finishes.
- The above material configurations are a sample ONLY. Any combination of materials is possible.
- Check availability of Panel Options with your G.James representative.
- Receiver (Jamb) channels are not supplied as standard but are available upon request.

826/830 Series Showerscreen

Pivot Configurations

Legend:

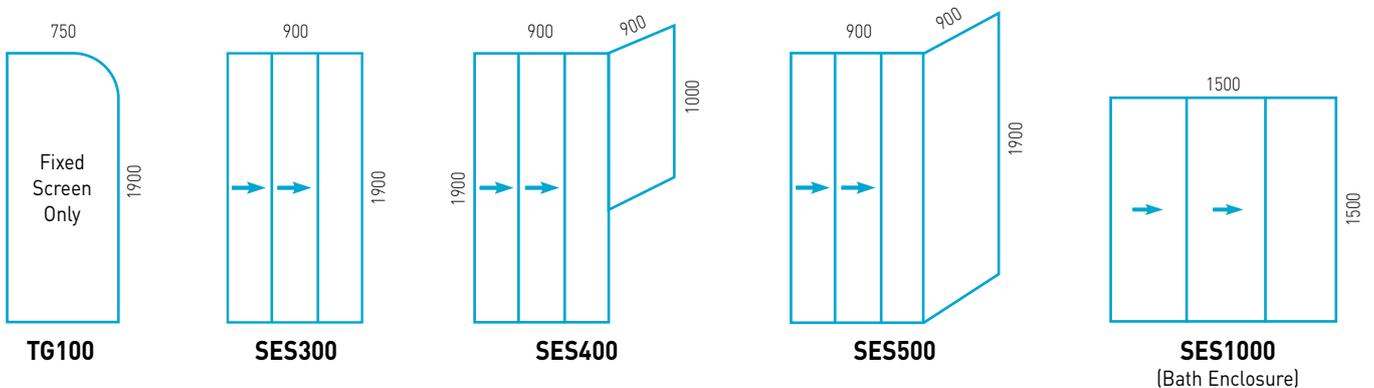
- 'SEP' codes are applicable to the 826 Series (fully) Framed Pivot Showerscreen.
- 'SSP' codes are applicable to the 830 Series Semi-frameless Pivot Showerscreen (aluminium framing to the horizontals and wall channels only, and also SSP400 & SSP405 return panel corners).



Note: Toughened glass (fully) frameless Pivot Showerscreens and matching mirrors also available.

826 Series Showerscreen

Sliding & Fixed Configurations



(Toughened glass panel only, aluminium framing to wall & floor)

Product Specific Notes:

- Pivot doors supplied up to a maximum 900mm wide. PVC sill flap available on request.
- It is recommended that all non-full height return panels be installed to the inside below the hob to aid drainage.
- All panels are glazed with a Grade 'A' safety glass.
- Reverse handing to that shown above is available.
- Matching mirrors are also available.
- Sizes above are a guide only.

Glossary

Anodising: A surface finish applied through an electrolysis process resulting in a hard, corrosion resistant oxide film.

ArmaGrille®: Expanded aluminium security grille. ArmaGrille is a registered trade name of G. James Australia Pty. Ltd.

Awning Window: A window where the sash is 'top-hung' allowing it the hinge horizontally at the top and arcs outwards at the bottom.

Bi-fold Door/Window: A door/window unit consisting of a number of hinged panels that fold in progression, stacking to one or both sides of the door opening.

Casement Window: A window where the sash is 'side-hung' with friction stays allowing it the hinge vertically from one side and arc outwards from the opposite side.

Chainwinder: A hardware item used to open and close awning windows. It consists of a winding mechanism and a semi-rigid chain which is attached to the bottom rail of the sash. As the winder is operated, the sash either extends or retracts depending on the winding direction.

Dampcourse: A durable material fixed to the perimeter frame of windows and doors which at the time of installation is placed in the wall of a house to divert the course of any moisture.

Double Glazing: The use of an Insulated Glass Unit into a window/door for the purpose(s) of achieving improved noise reduction and/or thermal performance. Contact your G. James representative for alternative noise reducing (acoustic) glazing options, eg. laminated glass. See also Insulated Glass Unit.

Double Hung Window: A window in which the sashes slide in a vertical direction. Spring Hung type – sashes operate independent of one another. Counter Balance type – top and bottom sashes operate simultaneously.

Fixing Fin: A protrusion from the frame members (head, sill (not in doors) & jambs) used to fix a reveal to the perimeter frame of a window or door.

Flashing: A metal or PVC strip fixed to the perimeter of a window or door in brick veneer constructions and used to divert any water to the exterior.

Frame: The joined head, sill and jambs (surround) of a window or door.

Friction Stay: A hardware item used for the fitting and operation of awning and casement windows. These stays use 'friction' to hold the sash in an open position.

Head: The top horizontal member of a window or door frame.

Heat Loss: The transmission or radiation of interior heat to the outside through glazed areas.

Insulated Glass (IG) Unit: Where two or more panes of glass are separated by an air space and then sealed with silicone to form a single, airtight panel of glass. See also Double Glazing.

Jamb: The vertical members of a window or door frame.

Laminated Glass: Two or more panels of glass bonded together with one or more interlayer(s) of PVB (polyvinyl butyral). If broken, the resulting fragments typically remain intact, firmly adhered to the interlayer. Laminated glass qualifies as a Grade 'A' safety glass suitable for glazing entry doors and accompanying side lights, bathroom windows and shower screens.

Louvre Window: A window in which a series of horizontal overlapping 'blades' (comprising glass, aluminium and/or timber) are retained within a gallery of moulded clips. The blades pivot via the operation of a handle(s) which allows the blade angle to be adjusted.

Motif: A visual design either adhered onto or etched into a glass panel used to draw attention to, and minimise collisions with a closed door.

Obscure Glass: A textured or patterned glass used for light control, privacy (bathrooms etc.) and decorative glazing applications

Powder Coating: A durable and decorative surface finish applied to the aluminium.

Reveal: A timber surround used for fixing a window or door into the wall framing. A reveal is attached to the window or door frame through a 'fixing fin'. The depth of the reveal is dependent on the construction type. Typical examples are as follows:

1. Brick Veneer Reveal Width (mm) = (Internal Sheet Thickness + Stud Width + Cavity Width) less 15mm.
2. Clad Sheet Reveal Width (mm) = (Internal Sheet Thickness + Stud Width) less 3 to 5mm.

Safety Glass: See Laminated or Toughened Glass.

Sill: The bottom horizontal member of a window or door frame.

Sill Inlay: A rigid PVC strip fitted into a sliding window sill for aesthetic, improved water penetration and maintenance purposes.

Solar Heat Gain: The increase of a home's interior heat as a result of solar energy which is directly transmitted and absorbed through its glazed areas. Contact your G. James representative to discuss glazing options available to reduce heat gain.

Solect®: A Low E coated glass that offers superior thermal performance ideal for reducing heating (Solar Heat Gain) & cooling costs and creating an improved level of interior comfort. Solect is a registered trade name of G. James Australia Pty Ltd.

Threshold (Sliding Door): A profiled aluminium extrusion fitted into unused sections of a sliding door sill for aesthetic and maintenance purposes.

Tinted Glass: Glass used to reduce solar transmission to the interior by absorbing solar energy, the majority of which is subsequently dissipated to the outside by re-radiation and convection.

Toughened Glass: If broken toughened glass will fracture into many small pieces minimising the extent of injury. Toughened glass qualifies as a Grade 'A' safety glass suitable for glazing entry doors and accompanying side lights, bathroom windows and showerscreens.

Window Energy Rating Scheme (WERS): See Page 4.

Wind Load: The force/pressure a glazed area is subject to from wind. This load is used to calculate the glass type and thickness as well as the mullion (unsupported vertical member) and transom (unsupported horizontal member) of a window/door to ensure compliance with relevant Australian Standards.

Window Wall: A combination unit incorporating a series of sliding windows or sliding and fixed windows which are coupled or fixed together to form a 'wall'.



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Taree, 10 Grey Gum Rd,
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taree@gjames.com.au

Lismore, 25 Habib Dr,
South Lismore
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