JURALCO

# JURALCO AMPLIMESH® SECURITY DOOR AND WINDOW SYSTEMS

ISSUE 3-23 v1

**Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents.**

**For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors.**

**Juralco Amplimesh® Security doors and windows incorporates proprietary security grille and extrusions and are suitable for use in a wide range of installations including residential, commercial, school door and window applications, hotel, bar, club, vehicle and shop window protection screens. Doors are available in both Sliding and Hinged configurations and Windows in Sliding, Hinged and Fixed configurations. All are custom-made in a variety of powder-coat and anodised finishes and incorporate complimentary hardware and optional insect mesh systems**

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| Doors, Hinged | 10 - 19 | Shows Hinged Security doors. Extrusions, components and cutting allowances. |
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**Important information - Powder Coating systems**.

**Powdercoat Systems** The new standard Dulux powder coating system used by Juralco is Duralloy Plus®. Also Duralloy® and Duratec®. Juralco Powder coated prices are for Duralloy Plus® and Duralloy® (same pricing). Duratec® prices on application.
The following specs apply to Building Exteriors.
- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level. Residential and Light commercial buildings, 3 levels max. Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level All Residential and Commercial buildings. Warranty 25 yrs.

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

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

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

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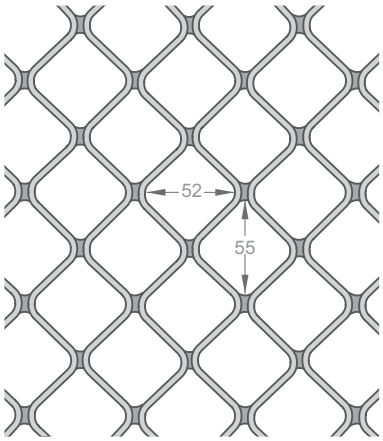
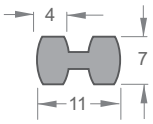
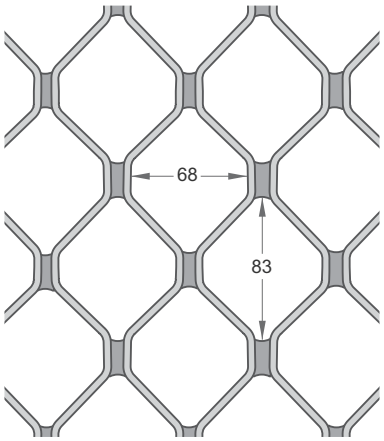



**Amplimesh® 125 Grille**

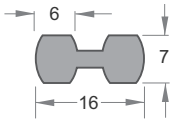
| Type | Width x Height |
|---|---|
| 125A | 7500 x 2000 |



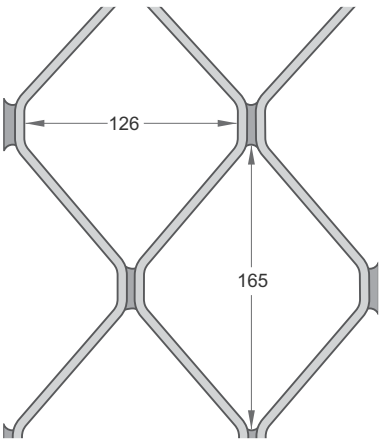




**Amplimesh® 103 Grille**

| Type | Width x Height |
|---|---|
| 103A | 750 x 2000 or 4000 |
| 103C | 900 x 2000 or 4000 |
| 103D | 1250 x 2000 or 4000 |

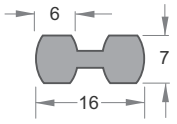



Important Note:
Amplimesh® Security Grilles 103 and 125 are suitable for Door and Window applications. Both comply with AS 2803.



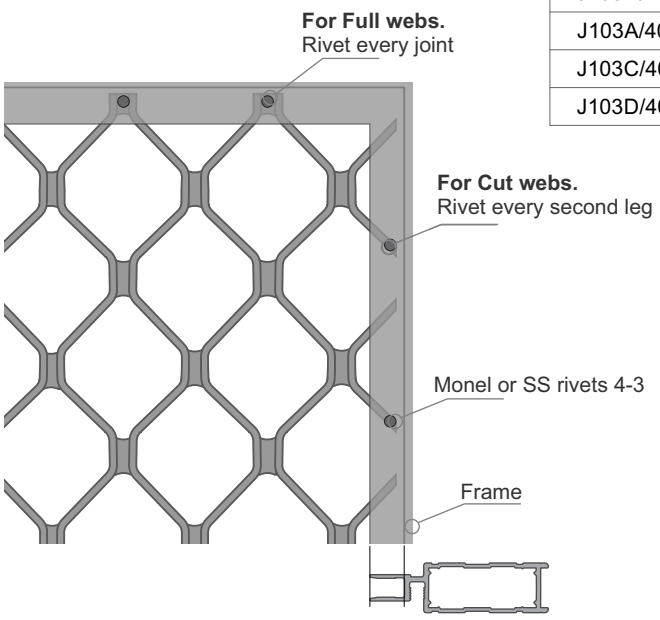

**Amplimesh® 106 Grille**

| Type | Width x Height |
|---|---|
| 106D | 1250 x 2450 |




Important Note:
Amplimesh® Security Grille 106 is not for Door applications, but is suitable for Commercial Window protection.

**To conform to AS5039-2008 the Mesh must be rivetted to the Frame.**
This is best done on site in case the door needs altering slightly out of square.




**Amplimesh® Panel Sizes**

| Sheet | Width | Length |
|---|---|---|
| Part No | mm | mm |
| J103A/2000 | 750 | 2000 |
| J103C/2000 | 900 | 2000 |
| J103D/2000 | 1250 | 2000 |
| J103A/4000 | 750 | 4000 |
| J103C/4000 | 900 | 4000 |
| J103D/4000 | 1250 | 4000 |

**Approx Max Door Frame Size**

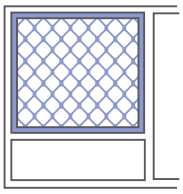
| Width, max | Height, max |
|---|---|
| mm | mm |
| 870 | 2120 |
| 1020 | 2120 |
| 1320 | 2120 |
| 870 | 4120 |
| 1020 | 4120 |
| 1320 | 4120 |

## Security Windows

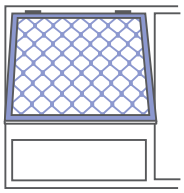
- Juralco offers a wide range of options covering either hinged or sliding windows.

- Choice of 2 x Amplimesh grille designs
- All doors are constructed from our propriety range of aluminium extrusions.
- Choice of 3 x different Insect screen types fibreglass, pet proof and privacy.
- Available in a range of powdercoat colours to your design or natural anodised.
- A variety of Hardware to suit your security requirements.

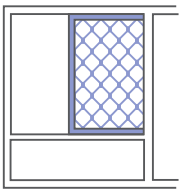
Fixed Window Panels
H max = 2800mm, W max 2400mm
Hinged Window Panels
H max = 1500mm, W max 1200mm
Sliding Window Panels
H max = 1500mm, W max 1200mm



Fixed Windows



Hinged Windows



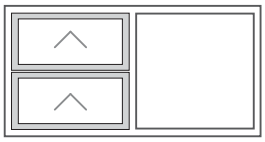
Sliding Windows

To conform to AS5039-2008
the Mesh must be rivetted to the Frame (see p3)

Single Awning

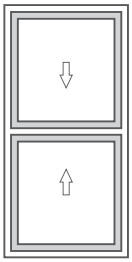
Can be top hinged, fixed or lift in and out. Inside fixing only.

Awning with Fixed Panel



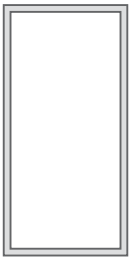
Sliding Screen covering both sashes or top hinged covering one sash.Inside fixing only.

Double Hung



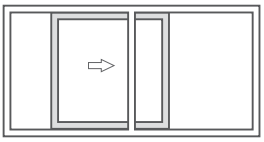
Fixed or lift in and out. Preferably on the outside.

Fixed Panel



Fixed or side hinged either inside or out.

Sliding with Fixed Panel



Either sliding on the inside or fixed on the outside

Casement

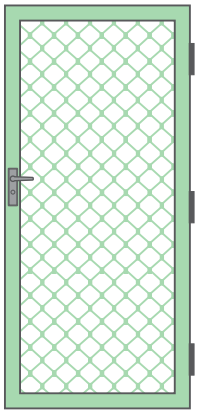
Side hinged, sliding or fixed. Inside fixing only.

## Security Doors

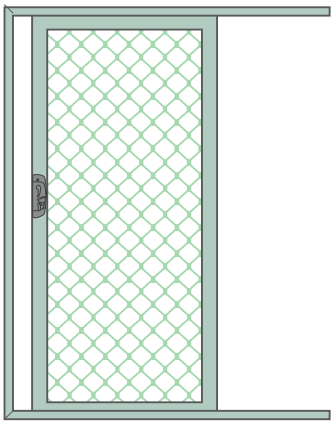
- Juralco offers a wide range of options covering either hinged or sliding doors.

- 1 x Amplimesh grille design
- All doors are constructed from our propriety range of aluminium extrusions.
- Choice of 3 x different Insect screen types fibreglass, pet proof and privacy.
- Available in a range of powdercoat colours to your design or natural anodised.
- A variety of Hardware to suit your security requirements.

Hinged Door Panels
H max = 2400mm, W max 1200mm
Sliding Door Panels
H max = 2400mm, W max 1500mm



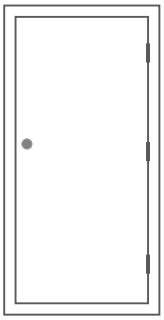
Hinged Door



Sliding Door

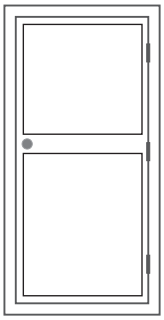
To conform to AS5039-2008
the Mesh must be rivetted to the Frame (see p3)

Timber Doors



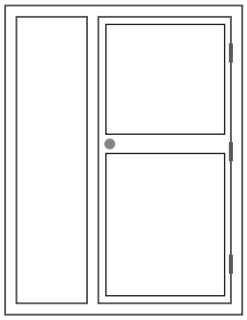
Most Security Doors will fit within the timber jamb.

Aluminium Doors



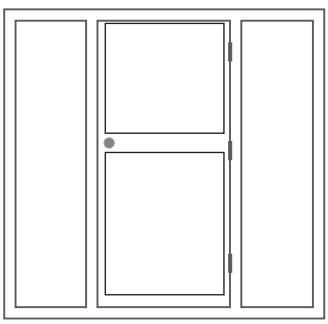
Security Doors will require an adaptor extrusion to clear the door handle.

Timber or Aluminium Doors with Glass Sidelight

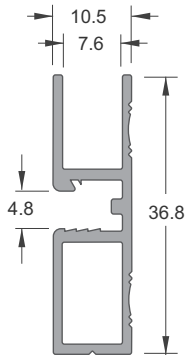


Will normally require building out the door mullion with dressed timber .

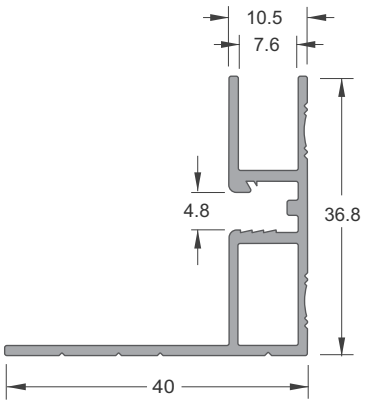
Timber or Aluminium Doors with Two Glass Sidelights



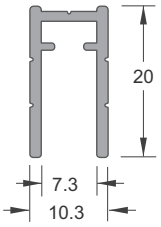
Will normally require building out the both door mullions with dressed timber .



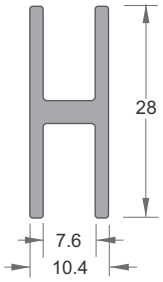

AMPLIMESH
SECURITY WINDOW
FRAME
J5663/5



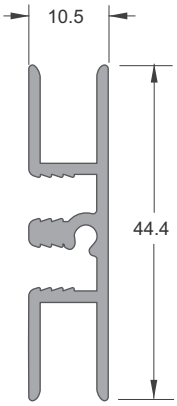

AMPLIMESH
SECURITY WINDOW
FRAME ANGLE
J6179/5



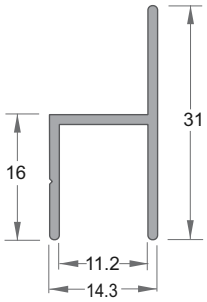

7mm GRILLE
AMPLIMESH CAPPING
CHANNEL
J3414/5



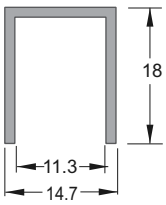

7mm GRILLE JOINER
J3515/5



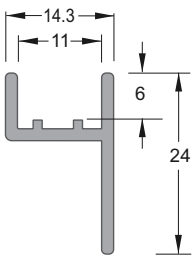

7mm GRILLE SECURITY
WINDOW
FRAME JOINTER
J3516/5
(With insect spline groove)



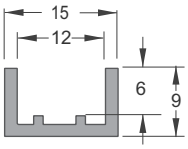

SLIDING WINDOW
TOP CHANNEL
(with Leg)
J5775/5




SLIDING WINDOW
TOP CHANNEL
J5773/5

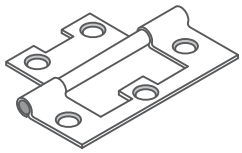



SLIDING WINDOW
BOTTOM CHANNEL
(with Leg)
J5774/5




SLIDING WINDOW
BOTTOM CHANNEL
J5772/5

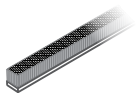
Butt Hinge 65mm
JC240



Corner Stake
JC212

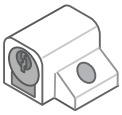
Nylon Runner
JC284

Mohair Strip
JC225



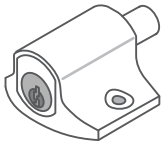
350mt Roll

Mighty Strong
Window Presslock
JJM194B



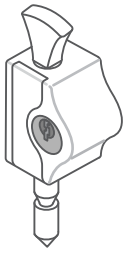
Black only

Whitco Window Presslock
JJH22023 (B or W)



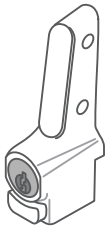
Black or White

Whitco Mini
Window Bolt 40mm
JJH22033 (B or W)



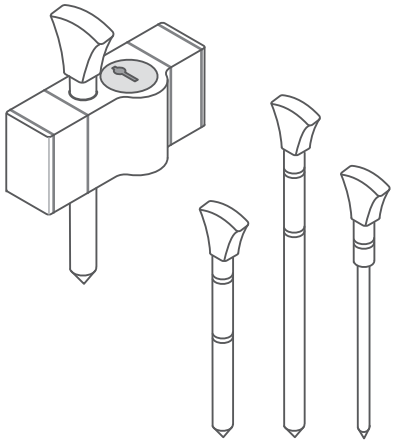
Black or White

Whitco Sliding
Window Presslock
JJH22013B



Black only

Whitco Window Multi Bolt
JJH22053



Black or White

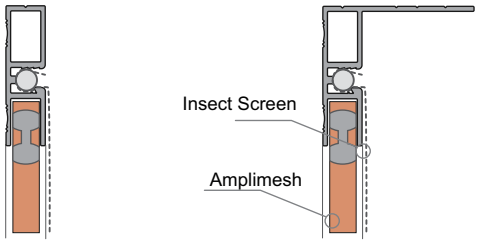
Includes 3x Door Bolts

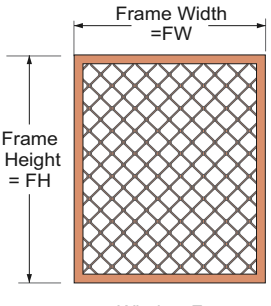
**Ten Point Check List - Security Window Measuring**

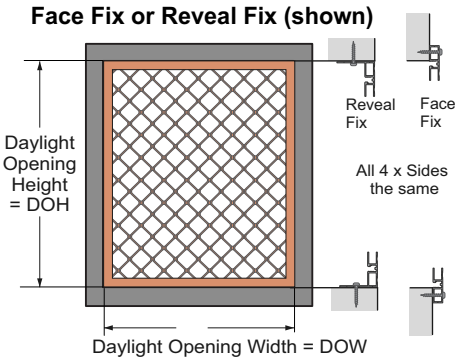
1 - Decide what type of screen would be suitable for this installation.
i.e. Sliding, Top Hinged, Side Hinged, Fixed or Lift In and Out.
2 - Measure opening height and width according to the type of screen to be fitted.
3 - Note the most suitable frame for the screen i.e. 5663-6179, 3717-7133, 9517.
4 - Check distance of protruding handles or window stays to make sure security screen has enough fixing surface.
5 - Check existing blinds, curtains, pelmets and drapes to see that security screen will not catch if and when opened.
6 - Decide on suitable lock. Refer Juralco Security Hardware & Components Price List.
7 - Check and see if customer requires insect mesh as well as security mesh.
8 - Discuss colour finish and type of Amplimesh panel required.
9 - Note any add ons - timber packers, build out angles, sliding channels.
10 - Don't leave the site until you are 100% sure the unit you have detailed will work.

Amplimeshd Windows, Fixed
- Reveal or Face Fix

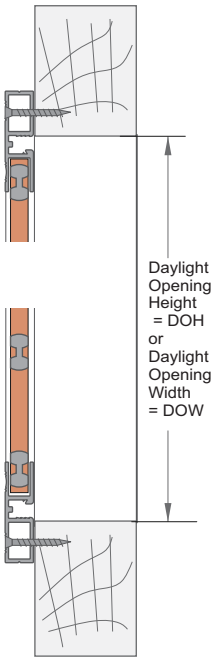
This configuration can be used to add Security to any window opening. The Fame and Security Panel are lightweight and suitable for all environments.



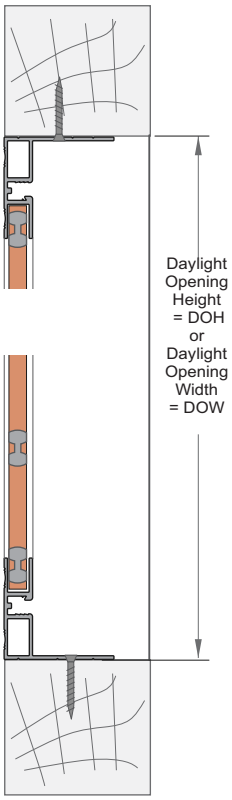




**Window Frame J5663**




**Face Fix**

**Window Frame with Angle J6719**




**Reveal Fix**

**AMPLIMESH SINGLE FIXED WINDOWS**

| | FACE FIX | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Window Frame Height FH | J5663 | (DOH + 33) = FH | 2 |
| 2 | Window Frame Width FW | J5663 | (DOW + 33) = FW | 2 |

| | REVEAL FIX | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Window Frame Height FH | J6719 | (DOH -2) = FH | 2 |
| 2 | Window Frame Width FW | J6719 | (DOW -2)= FW | 2 |

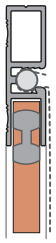
| Select FH, FW from Face or Reveal Mounts | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Height | JPSFG/... | FH | 1 |
| 2b | Insect Spline Height | JC228 | FH | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Width | JPSFG/... | FW | 1 |
| 2b | Insect Spline Width | JC228 | FW | 2 |

| | Components - always needed | Part | No |
|---|---|---|---|
| 1 | Window Frame Corner Stake | JC212 | 4 |

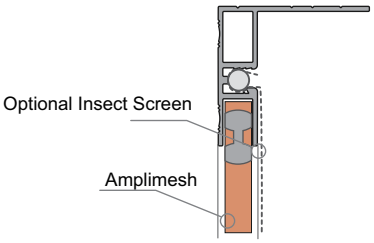
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

Amplimesh Windows - Hinged
Reveal Fix only

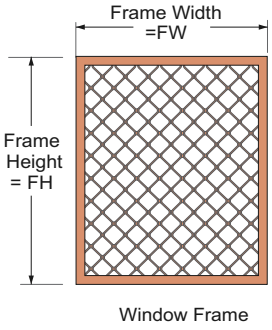
This configuration can be used to add Security to any window opening. The Fame and Security Panel are lightweight and suitable for all environments.



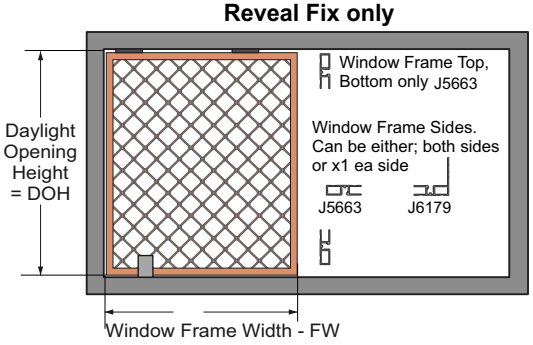
**Window Frame J5663**

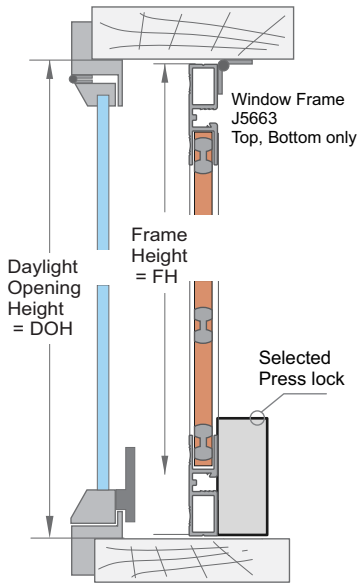



**Window Frame with Angle J6719**




**Reveal Fix only**



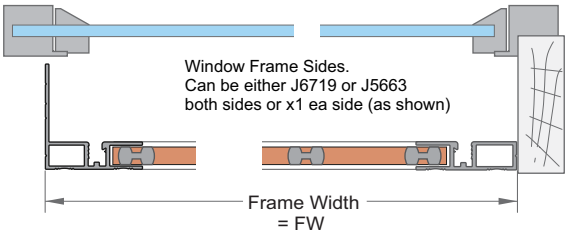

**Reveal Fix only**

## AMPLIMESH HINGED SINGLE WINDOWS

| | REVEAL FIX | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Window Frame Height FH | J5663 or J6719 | (DOH - 10) = FH | 2 |
| 2 | Window Frame Width FW | J5663 | Enter FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Height | JPSFG/... | FH | 1 |
| 2b | Insect Spline Height | JC228 | FH | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Width | JPSFG/... | FW | 1 |
| 2b | Insect Spline Width | JC228 | FW | 2 |

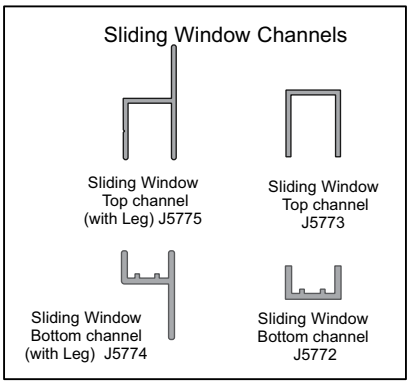
| | Components - always needed | Part | No |
|---|---|---|---|
| 1 | Window Frame Corner Stake | JC212 | 4 |
| 2 | Mighty Strong Hinge 65mm | JC240 | 2 |
| | Select 1 x appropriate Window Lock | | |
| 1 | Mighty Strong Presslock (Black) | JJM194B | 1 |
| 2 | Whitco Presslock (Black or White) | JJH22023 | |
| 3 | Whitco Minibolt (Black or White) | JJH22033 | |

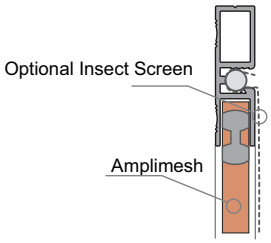



Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

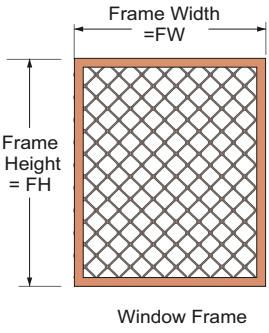
Amplimesh Windows - Sliding Reveal or Face Fix

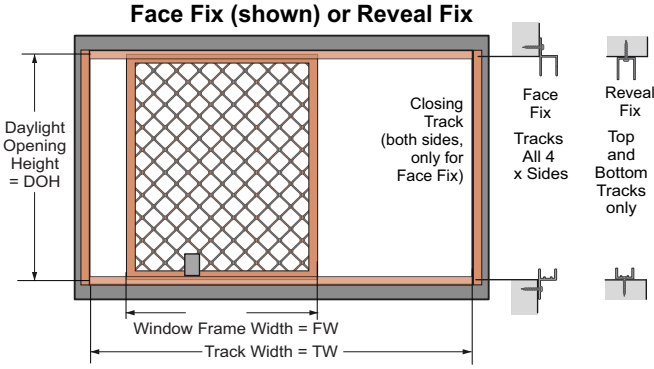
This configuration can be used to add Security to any window opening. The Fame and Security Panel are lightweight and suitable for all environments.

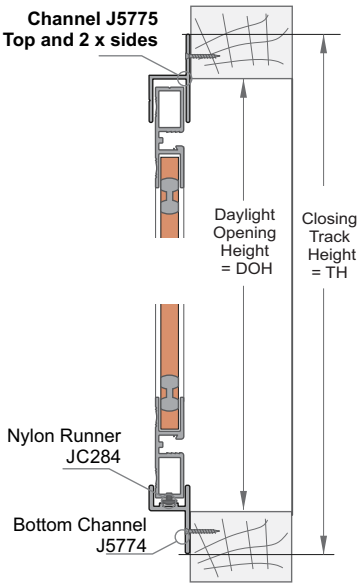



**Window Frame J5663**




**Face Fix**

## AMPLIMESH SINGLE SLIDING WINDOWS

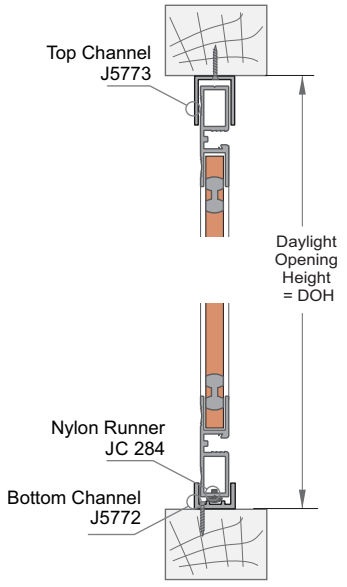
| | FACE FIX | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Window Frame Height FH | J5663 | (DOH - 6) = FH | 2 |
| 2 | Closing Track Height TH | J5775 | (DOH + 30) = TH | 2 |
| 3 | Window Frame Width FW | J5663 | Enter FW | 2 |
| 4 | Track Widths TW | J5775, J5774 | Enter TW | 1ea |

| | REVEAL FIX | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Window Frame Height FH | J5663 | (DOH - 6) = FH | 2 |
| 2 | Window Frame Width FW | J5663 | Enter FW | 2 |
| 3 | Track Widths TW | J5773, J5772 | Enter TW | 1ea |

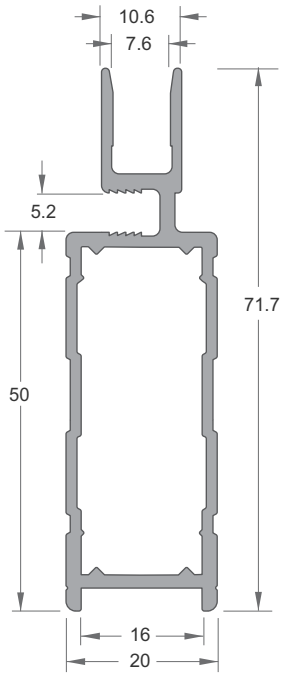
| Select FH, FW from Face or Reveal Mounts | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Height | JPSFG/... | FH | 1 |
| 2b | Insect Spline Height | JC228 | FH | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 50 | 1 |
| 2a | Insect Mesh (Fibreglass) Width | JPSFG/... | FW | 1 |
| 2b | Insect Spline Width | JC228 | FW | 2 |

| | Components - always needed | Part | No |
|---|---|---|---|
| 1 | Window Frame Corner Stake | JC212 | 4 |
| 2 | Nylon Runner | JC284 | 4 |
| | Select 1 x appropriate Window Lock | | |
| 1 | Whitco Sliding Presslock (Black) | JJH22013B | 1 |
| 2 | Mighty Strong Presslock (Black) | JJM194B | |
| 3 | Whitco Window Presslock (Black or White) | JJH22023 | |
| 4 | Whitco Minibolt (Black or White) | JJH22033 | |

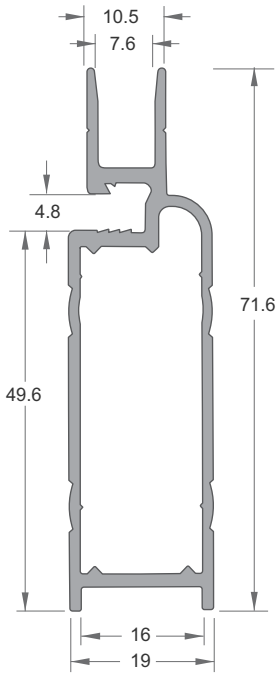
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment



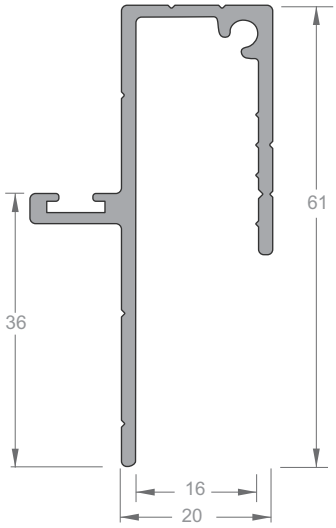

**Reveal Fix**



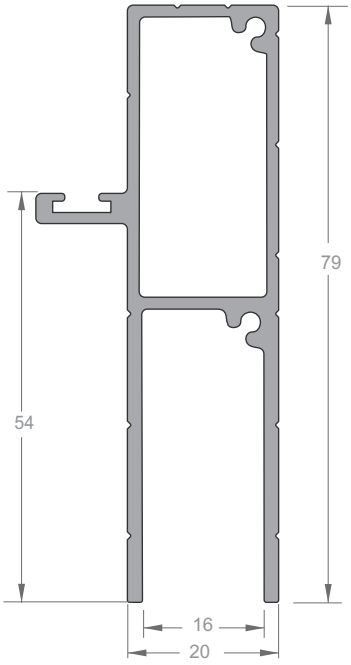

DOOR FRAME
J9295



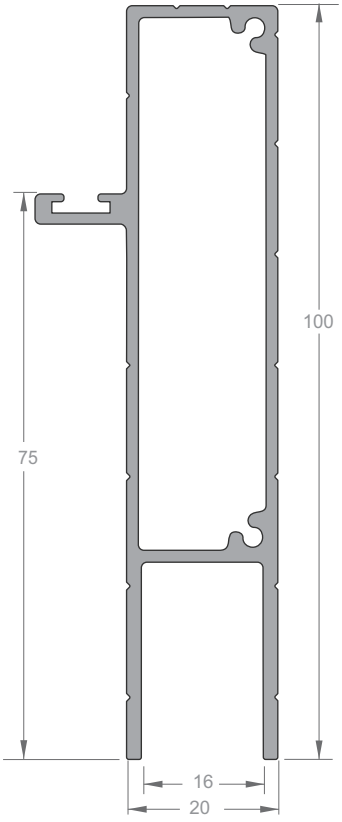

DOOR FRAME
J6661



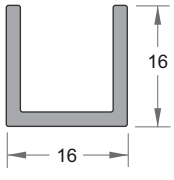

HINGED DOOR
ADAPTOR
J7467



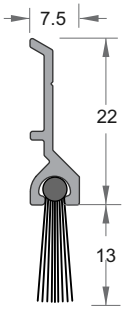

HINGED DOOR
BUILDOUT 54mm
J7465



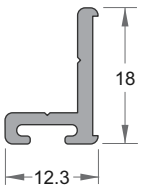

HINGED DOOR
BUILDOUT 75mm
J7466




BASE CHANNEL
J7470

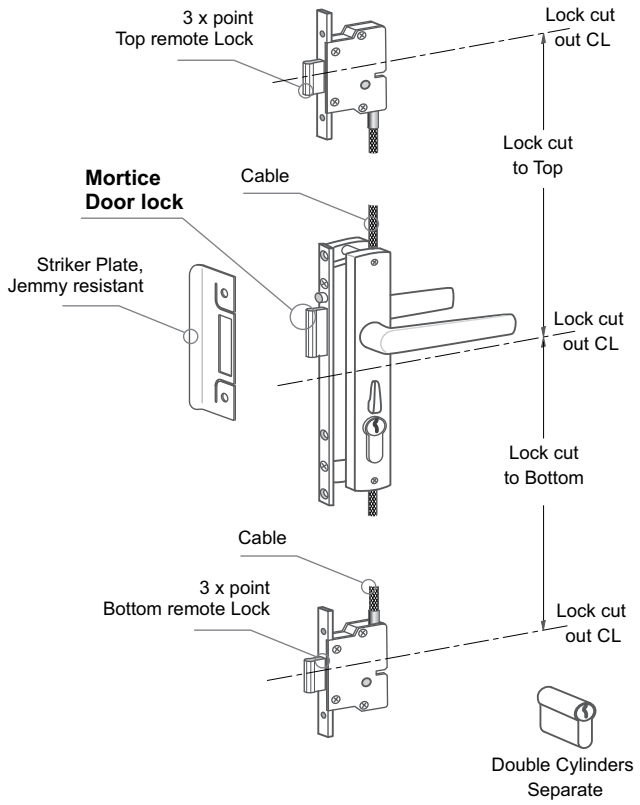



DOOR SEAL
(with 13mm Mohair)
JA186




CLOSING ANGLE
J3737

## Hinged Door Locks
## Elegance + Elegance HD14




**Hinged Security Doors**

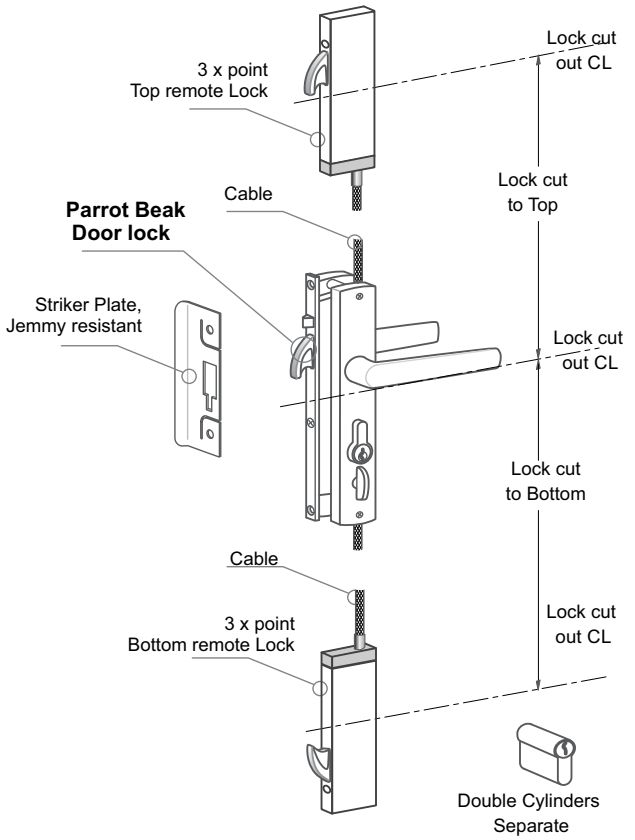
**a -** This lock can be used for RH or LH hinged doors

**b -** Standard, Mortice, Centre only or Three point Lock Cable Drive, Top and Bottom Remote locks

**c -** Available in three different center line combinations

Refer to instructions in kit for more information

## Hinged Door Locks
## Ultimate + Ultimate HD 16




**Hinged Security Doors**

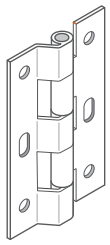
**a -** This lock can be used for RH or LH hinged doors

**b -** Standard, Parrot beak, Centre only or Three point Lock Cable Drive, Top and Bottom Remote locks

**c -** Available in three different center line combinations

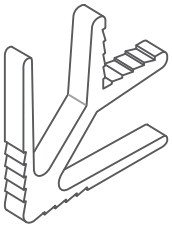
Refer to instructions in kit for more information

## Hinge
## JC242

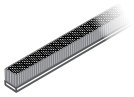


Available Zinc plated steel, or SS

## Staking Angle, Heavy Duty
## JC216

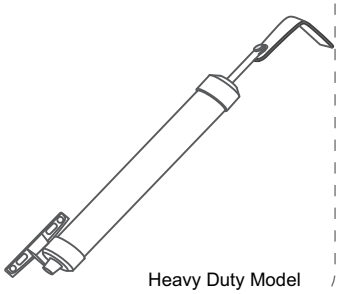


## Mohair Strip
## JC225



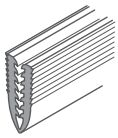
350mt Roll

## Door Closer
## JJMDCH



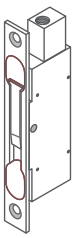
Heavy Duty Model

## Clearguard Plug
## JCGTape



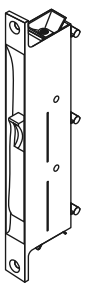
4mt Lengths

## Whitco Flush Bolt
## JJH203817
## 1 x 150mm Rod



For Double Hinged Doors - Black only

## Ausloc Double
## Flush Bolt
## 2 x 1500mm Rods



For Double Hinged Doors - Black only

## Snib Protector

JD100POLY
230mm H
x 110mm W

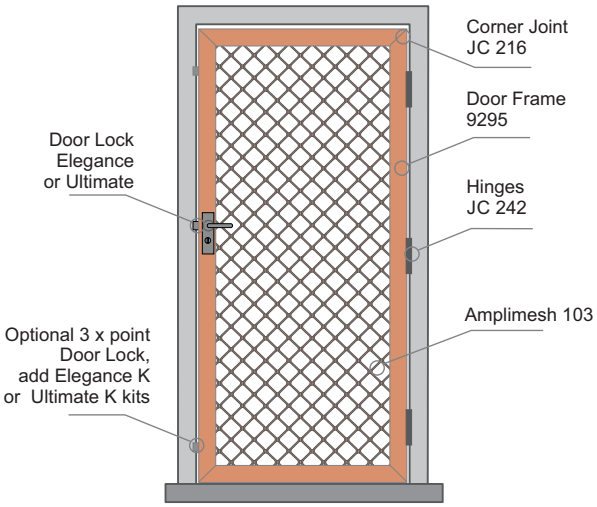
JD100
290mm H
x 144mm W
White or SCC

## Security Hinged Door Recommendations

For reveal mounting only, on the interior or exterior.
Insect screen options.

Note - This configuration can be used to add security to any Door opening. The frame and security grille are lightweight and suitable for all environments.

1 - **Frame** - Heavy duty Door Frame PN 9295
2 - **Corner Joints** - Heavy duty PN JC 216 .
After assembling the frame the door should stay completely rigid.
3 - **Security Grille** - Amplimesh Security Grille103
4 - **Locks** - We recommend an Austral Elegance or Austral Ultimate for higher security.
Kits can be added to convert to 3 point locks.
5 - **Hinges** - Security screen doors should be fitted with inter-locking security hinges to prevent removal of the door if the hinge pin is removed.
Hinge pins should be peened at the top and bottom
6 - **Fasteners** - High strength, stainless steel rivets to be used for fastening corner stakes, hinges and grille to frame. Size and application of rivets must allow no movement between parts. Non-corrosive 8-gauge fixing screws can be used as an alternative. The heads of all fasteners must be concealed to restrict access from outside when the door is closed.

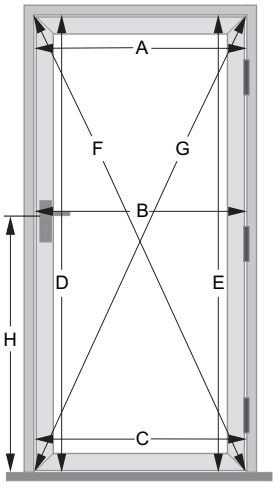



To conform to AS5039-2008
the Mesh must be rivetted to the Frame (see p4)

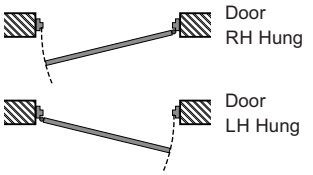
## Security Hinged Door Measuring

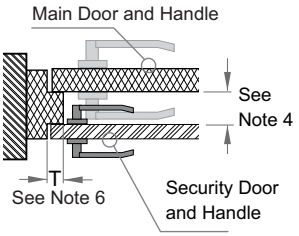
**Check list for measuring up a Security Door**

I - **Door frame opening width** to be measured at 3 points, A, B and C. Record smallest measurement as the daylight width opening. Check for any bow in jambs.
2 - **Door frame opening height** to be measured at 2 points, D and E. Record smallest measurement as the daylight height opening. Check for any bow in sill or step.
3 - **Door Frame Diagonals** F and G to be measured to assess squareness of frame.
4 - **Height of furniture** H, on main door to be measured to ensure no interference with security door handles.
Also check on space between doors for handle clearance.
Check protruding measurement of existing door handle to see there is still enough space (25mm) to fit the security door within the jamb. Note most aluminium hinged glass doors require a 7465 adaptor build out section.




Door - 7 x Measure points

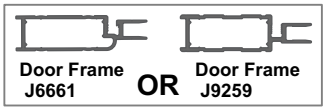


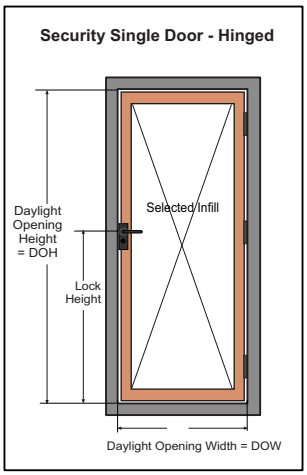



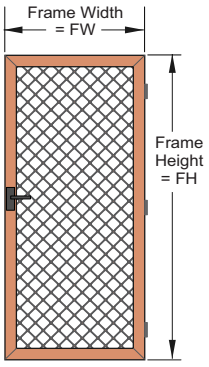

5 - **Check** which way door is to be hung, RH or LH. Note most suitable side for security door to be hinged. Generally it is hinged the same as the ensitu door but in some applications access is better if the security door is hinged opposite to ensitu door.
6 - **Check** thickness of stop bead T. Stepped striker plates and hinge leaves have a step dimension of 12mm to mate with the stop bead. If the door does not have a suitably positioned stop bead then a 3737 closing angle will be required.
7 - **Check** around doorway to see there are no protruding fuse boxes or hanging lights to stop security door from fully opening.
8 - **Check** to see that there are no door knockers or door bells that may require relocating before security door could be installed.
9 - **Check** that the security door will clear the door mat (mainly a problem in concrete floor / aluminium door installations).
10 - **Check** colour finish of security door and type of Amplimesh panel required.
11 - **Check** for any extras - automatic door closer, cat door, triple door lock....

Amplimesh Single Hinged Door Reveal Mount

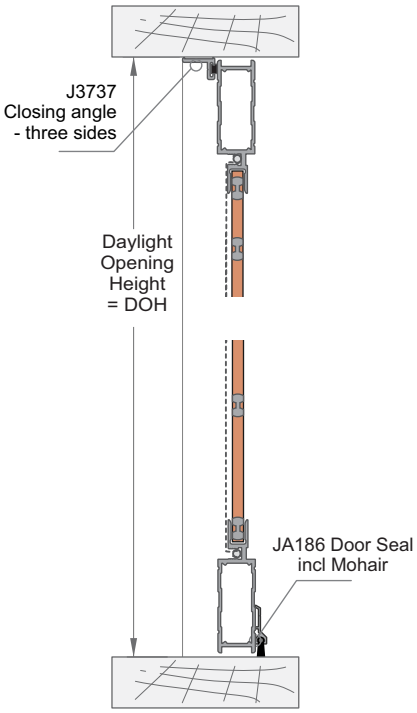
Ⓐ

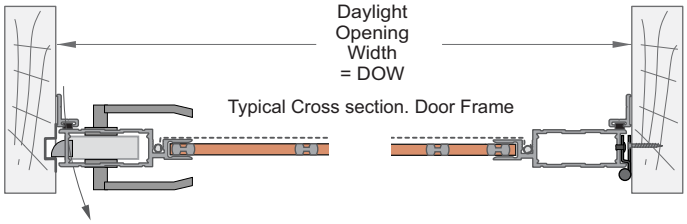



Door Frame




## AMPLIMESH SINGLE HINGED DOOR
**Reveal Mount**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Door Frame Height FH | J6661 or J9259 | (DOH - 6) =FH | 2 |
| 2 | Closing Angle Height | J3737 | DOH | 2 |
| 3 | Woolpile Height | JC225 | DOH | 2 |
| | | | | |
| 1 | Door Frame Width FW | J6661 or J9259 | (DOW - 6) = FW | 2 |
| 2 | Closing Angle Width | J3737 | DOW - 15 | 1 |
| 3 | Woolpile Width | JC225 | DOW - 15 | 1 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.. | FH - 120 | 1 |
| 2a | If Insect Mesh, Height | JPS.. | FH - 60 | 1 |
| 2b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 3a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 3b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220/300/.. | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840/2.74/.. | FW - 100 | 2 |
| 4 | Door seal incl Mohair Width | JA186 | FW | 1 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## COMPONENTS - Always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | 75mm Strong Hinge | JC242 | 3 |
| 2 | Corner Stake HD | JC216 | 4 |

**+ Security Hinged Door Locks**
**(Identical for all Hinged Security Doors)**
Choice of Austral Elegance, Austral Ultimate
Whitco Tasman Mk2, Lockwood 8564
Associated Cylinders, Multipoint Kits and
Black, White ,SCC as appropriate
All as per Feb 2020 Price Book

Amplimesh Single Hinged Door + Adaptor

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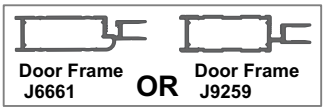
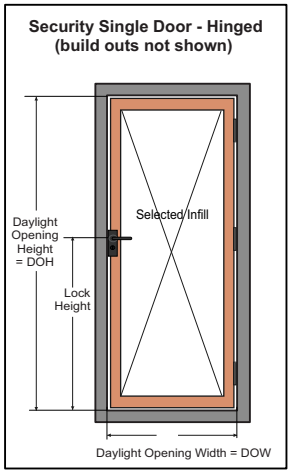
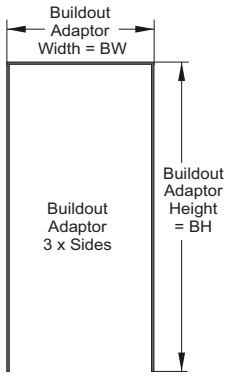
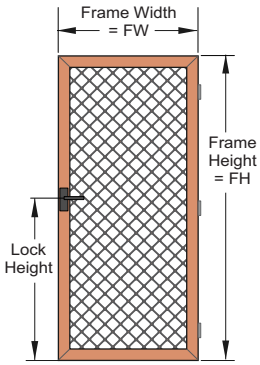


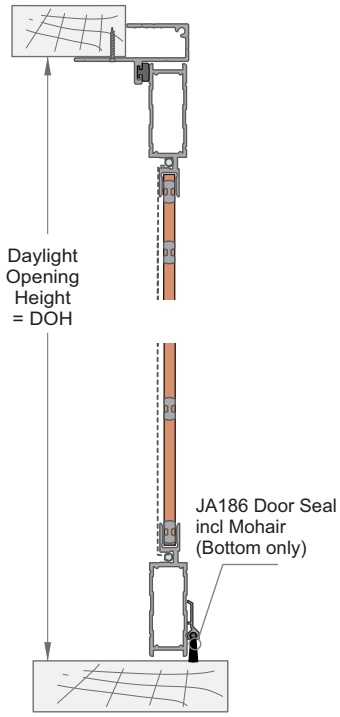


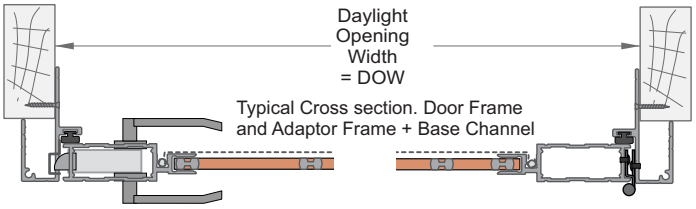




Buildout Adaptor Frame
(OD, Miter corners)




Door Frame




## AMPLIMESH SINGLE HINGED DOOR
## + Adaptor J7467 x 3 sides

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Buildout Adaptor Height BH | J7467 | (DOH + 20) =BH | 2 |
| 2 | Woolpile Height | JC225 | DOH + 20 | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH - 8) =FH | 2 |
| | | | | |
| 1 | Buildout Adaptor Width BW | J7467 | (DOW + 40) = BW | 1 |
| 2 | Woolpile Width | JC225 | DOW + 40 | 1 |
| 3 | Door Frame Width FW | J6661 or J9259 | (DOW - 12) =FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 2b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 3a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 3b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103.. | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220/300/.. | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840/2.74/.. | FW - 100 | 2 |
| 4 | Door seal incl Mohair Width | JA186 | FW | 1 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## COMPONENTS - Always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | 75mm Strong Hinge | JC242 | 3 |
| 2 | Corner Stake HD | JC216 | 4 |

**+ Security Hinged Door Locks**
**(Identical for all Hinged Security Doors)**
Choice of Austral Elegance, Austral Ultimate
Whitco Tasman Mk2, Lockwood 8564
Associated Cylinders, Multipoint Kits and
Black, White ,SCC as appropriate
All as per Feb 2020 Price Book

Amplimesh Single Hinged Door
+ Build outs

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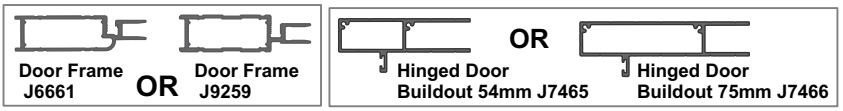


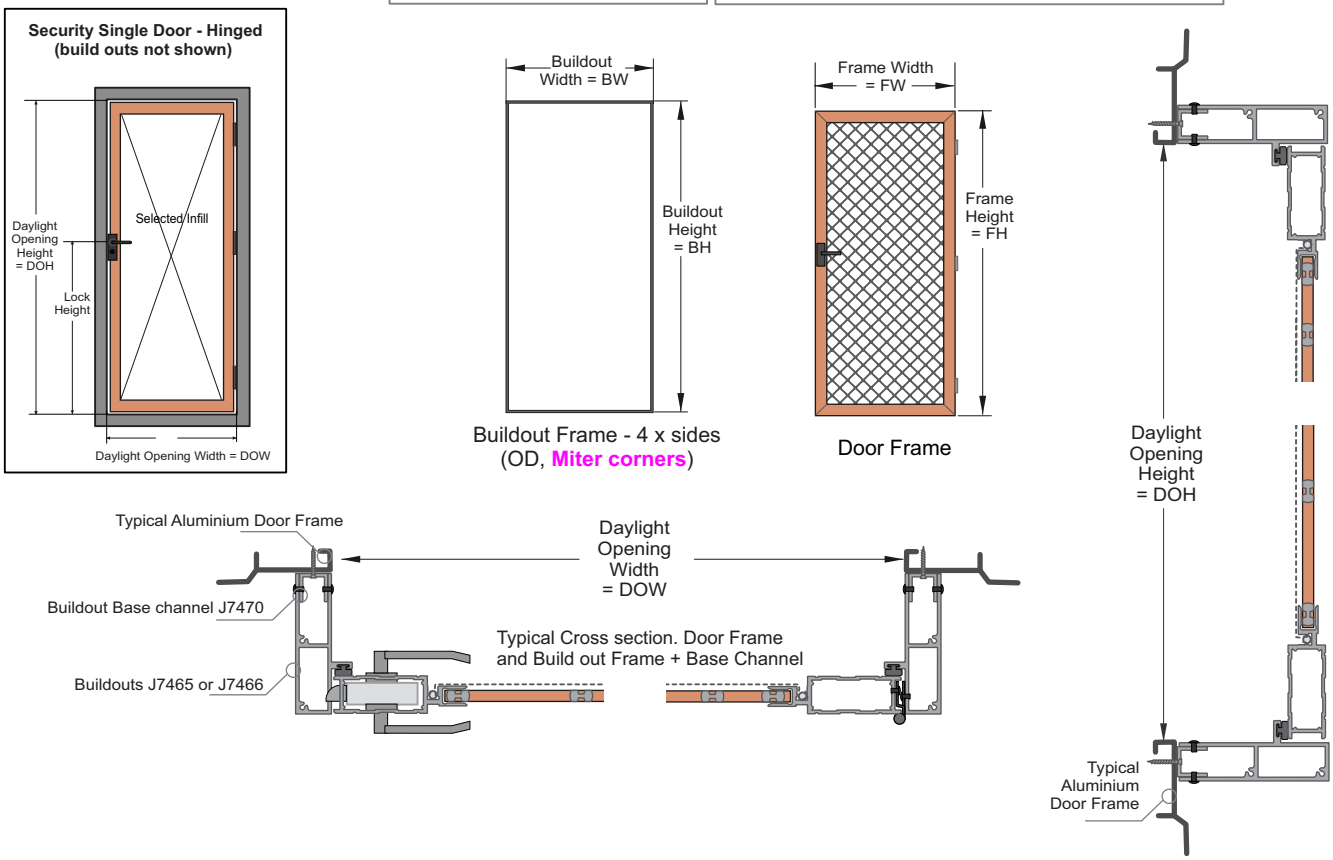


## AMPLIMESH SINGLE HINGED DOOR
**+ J7465 or J7466 Buildouts x 4 sides**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Buildout Height BH | J7465, J7466 | (DOH + 40) = BH | 2 |
| 2 | Woolpile Height | JC225 | DOH + 40 | 2 |
| 3 | Buildout Base channel Height | J7470 | DOH | 2 |
| 4 | Door Frame Height FH | J6661 or J9259 | DOH - 6 (=FH) | 2 |
| | | | | |
| 1 | Buildout Width BW | J7465, J7466 | (DOW + 40) = BW | 2 |
| 2 | Woolpile Width | JC225 | DOW + 40 | 2 |
| 3 | Buildout Base channel Width | J7470 | DOW | 2 |
| 4 | Door Frame Width FW | J6661 or J9259 | (DOW - 6) = FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 2b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 3a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 3b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220/300/.. | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840/2.74/.. | FW - 100 | 2 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | 75mm Strong Hinge | JC242 | 3 |
| 2 | Corner Stake HD | JC216 | 4 |

**+ Security Hinged Door Locks**
**(Identical for all Hinged Security Doors)**
Choice of Austral Elegance, Austral Ultimate
Whitco Tasman Mk2, Lockwood 8564
Associated Cylinders, Multipoint Kits and
Black, White ,SCC as appropriate
All as per Feb 2020 Price Book

Amplimesh Double Hinged Door Reveal Mount

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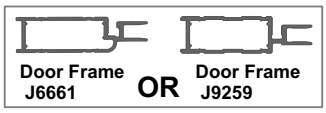
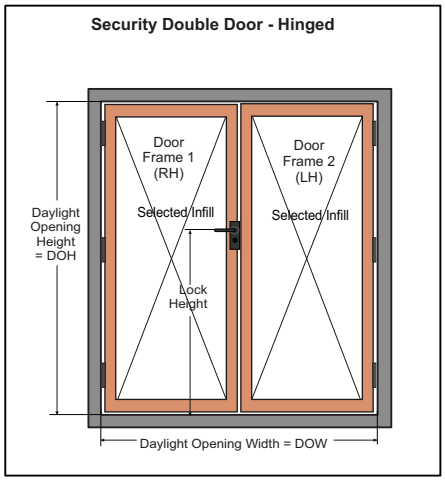
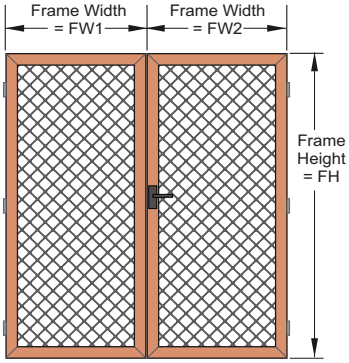
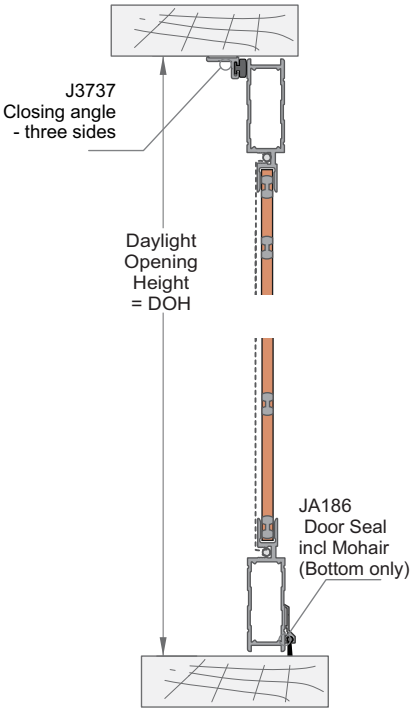
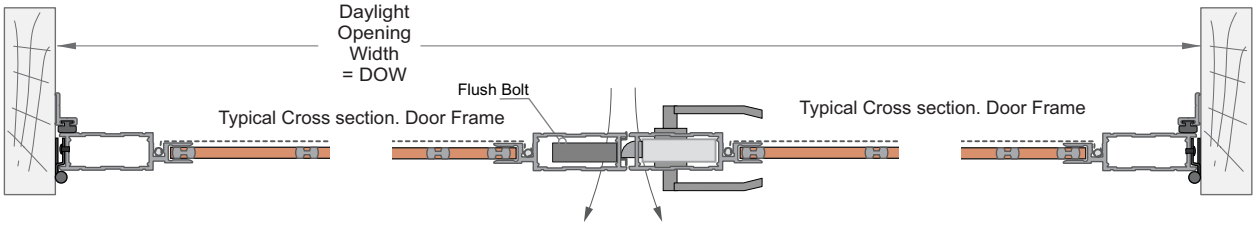



Door Frames
**Door Widths can be Equal or Unequal**




## AMPLIMESH DOUBLE HINGED DOOR
**Reveal Mount**

**Door Widths can be Equal or Unequal**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Door Frame Height FH | J6661 or J9259 | DOH - 6 (=FH) | 4 |
| 2 | Closing Angle Height | J3737 | DOH | 2 |
| 3 | Woolpile Height | JC225 | DOH | 2 |
| | | | | |
| 1 | Door Frame Width **EQUAL** | J6661 or J9259 | (DOW-12)/2 = FW | 2 |
| 2 | Door Frame Width **Unequal** FW1 | | Enter Width FW1 | 2 |
| 3 | Door Frame Width **Unequal** FW2 | | (DOW-FW1-12) =FW2 | 2 |
| 4 | Closing Angle Width | J3737 | DOW-15 | 1 |
| 5 | Woolpile Width | JC225 | DOW-15 | 1 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 2b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 3a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 3b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | 75mm Strong Hinge | JC242 | 6 |
| 2 | Heavy Duty Corner Stake | JC216 | 8 |
| | Select either Flushbolts | | |
| 3 | Whitco Single Flushbolt | JJH203817 | 2 |
| 4 | Austral Double Flushbolt, with Rods | JJMFlushbolt/BLK | 1 |

**+ Security Hinged Door Locks**
**(Identical for all Hinged Security Doors)**
Choice of Austral Elegance, Austral Ultimate
Whitco Tasman Mk2, Lockwood 8564
Associated Cylinders, Multipoint Kits and
Black, White ,SCC as appropriate
All as per Feb 2020 Price Book

Amplimesh Double Hinged Doors+ Buildouts

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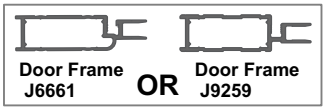
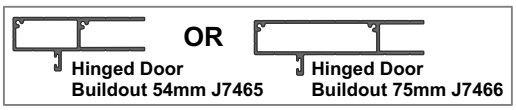
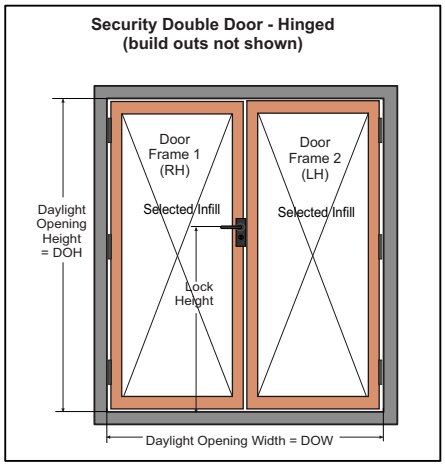
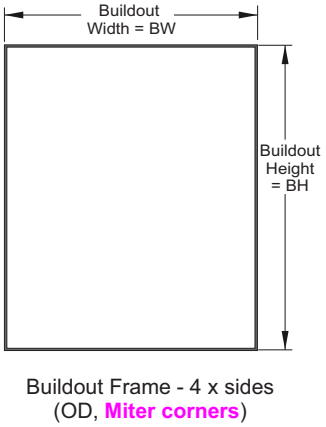
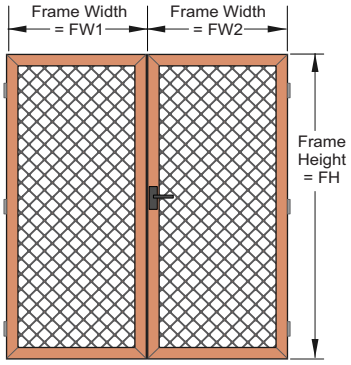


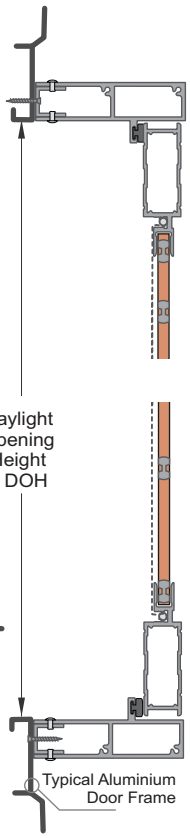



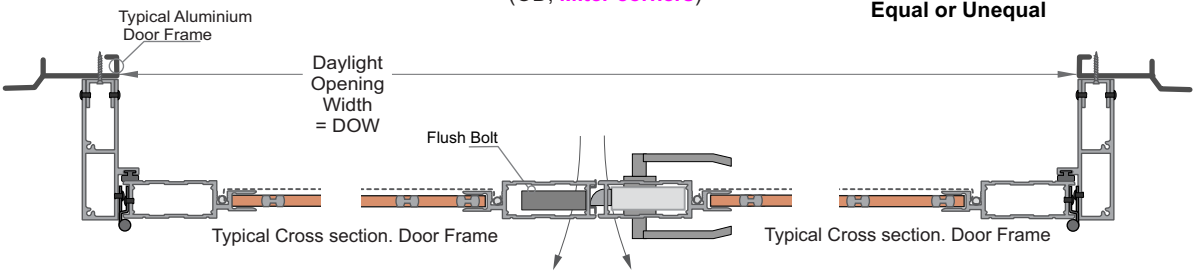

Buildout Frame - 4 x sides
(OD, **Miter corners**)




Door Frames

**Door Widths can be Equal or Unequal**




## AMPLIMESH DOUBLE HINGED DOORS
**+ Buildouts J7465 or J7466 x 4 sides**

**Door Widths can be Equal or Unequal**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Buildout Height BH | J7465 or J7466 | (DOH + 40) =BH | 2 |
| 2 | Woolpile Height | JC225 | DOH + 40 | 2 |
| 3 | Buildout Base channel Height | J7470 | DOH | 2 |
| 4 | Door Frame Height FH | J6661 or J9259 | (DOH - 6)=FH | 4 |
| | | | | |
| 1 | Buildout Width BW | J7465 or J7466 | (DOW + 40) =BW | 2 |
| 2 | Woolpile Width | JC225 | DOW + 40 | 2 |
| 3 | Buildout Base channel Width | J7470 | DOW | 2 |
| 4 | Door Frame Width **EQUAL** | J6661 or J9259 | (DOW-12)/2 = FW | 2 |
| 5 | Door Frame Width **Unequal** FW1 | | Enter Width FW1 | 2 |
| 6 | Door Frame Width **Unequal** FW2 | | (DOW-FW1-12) =FW2 | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 2b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 3a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 3b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

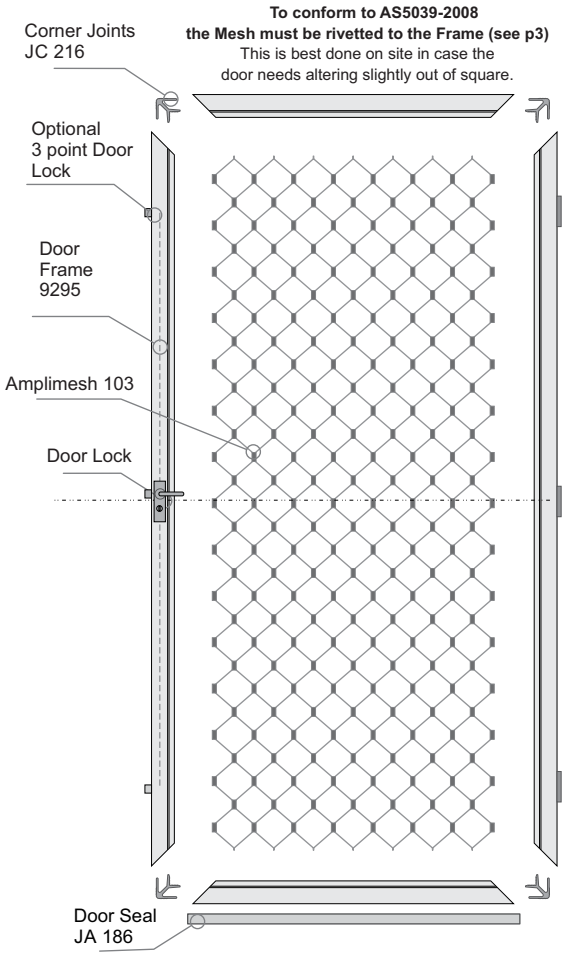
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | 75mm Strong Hinge | JC242 | 6 |
| 2 | Heavy Duty Corner Stake | JC216 | 8 |
| | Select either Flushbolts | | |
| 3 | Whitco Single Flushbolt | JJH203817 | 2 |
| 4 | Austral Double Flushbolt, with Rods | JJMFlushbolt/BLK | 1 |

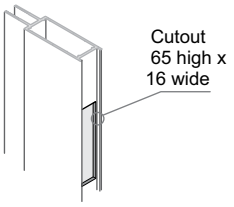
**+ Security Hinged Door Locks**
**(Identical for all Hinged Security Doors)**
Choice of Austral Elegance, Austral Ultimate
Whitco Tasman Mk2, Lockwood 8564
Associated Cylinders, Multipoint Kits and
Black, White ,SCC as appropriate
All as per Feb 2020 Price Book

## Security Hinged Door Machining

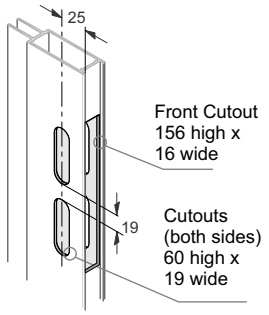



**Hinged Security Doors - Lock Selection**
Centre only or Three point Lock, Cable Drive.
Mortice or Parrot Beak

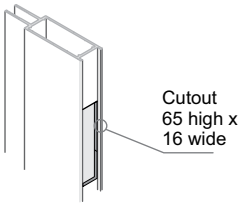
## Elegance Door Frame Machining




Three point Lock Top Cutout

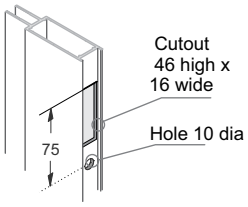



Lock Centre Cutout

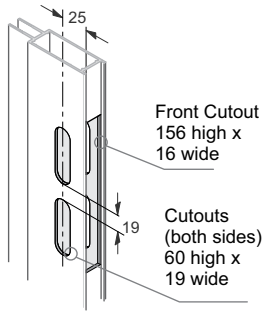



Three point Lock Bottom Cutout

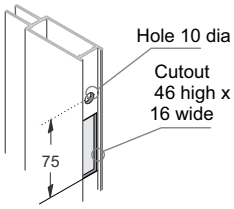
## Ultimate Door Frame Machining




Three point Lock Top Cutout




Lock Centre Cutout

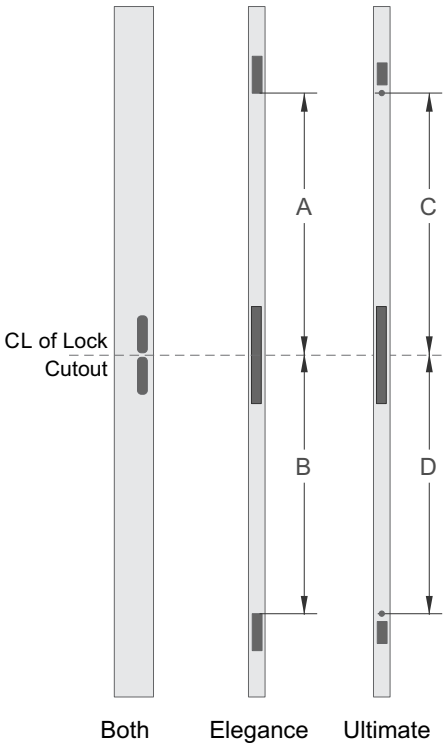



Three point Lock Bottom Cutout

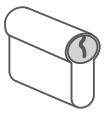
## Elegance, Ultimate Door Frame Machining Setouts

| **Elegance, HD14** | A dim | B dim |
|---|---|---|
| Machining setouts | to Top | to Bottom |
| High centre Lock | 682 | 826 |
| Low Centre Lock | 826 | 682 |
| Pool Centre Lock | 375 | 961 |
| Set out tolerances all +/- 3mm | | |

| **Ultimate, HD16** | C dim | D dim |
|---|---|---|
| Machining setouts | to Top | to Bottom |
| High centre Lock | 610 | 790 |
| Low Centre Lock | 766 | 634 |
| Pool Centre Lock | 313 | 1079 |
| Set out tolerances all +/- 3mm | | |




## Elegance, Ultimate Cylinders, Striker Plates



Double Cylinders
Ordered Separately

**Elegance**, AA-C4
5 pin double cylinder

**Ultimate**, AA8-C4
5 pin double cylinder
Ultimate Cylinders must include a cam stop spring

A range of different Striker Plates is available.
- 7 for the Elegance,
- 6 for the Ultimate.

Refer manufacturers catalog

## Security Hinged Door - Assembly

I - Use the table above to calculate the size for the Amplimesh Security Door.
2 - Cut door frame out of section 9295 and if using prepunched frame (for locks) make sure when cutting that the lock position is allowed for in your cutting (height wise) and the lock hole is in the correct position for either right or left hand opening.
If 3 point lock selected mill out to specifications.
3 - There are two alternative methods for trimming and fitting Amplimesh grille to frame:
Take Amplimesh grille and trim down to size by using hacksaw, bolt cutters, jigsaw, bandsaw or table saw, provided they have a metal cutting blade. Assemble the frame around the grille by fitting the two stiles and then the top and bottom rail which contain the corner stakes.
Assemble one stile and one rail and fit grille into half the frame. Mark down the grille the excess material and cut through grille using bolt cutters. Fit the other stile and rail to grille, square frame onto grille and rivet through edge of frame into corner stakes.
**To conform to AS5039-2008 the Mesh must be rivetted to the Frame (see p3). This best completed on site as the door may need altering slightly out of square.**
Place insect screen mesh over frame. By using a small piece of spline, tack mesh to frame top and bottom to hold mesh from moving.
Pre grove the mesh into the spline groove with roller, then, taking the spline, force this into spline groove over the mesh.
Trim off excess mesh when finished with sharp knife.
4 - Fit hinges to frame. One in centre and one at each end of stile approx 200mm in from each end.
Use rebated hinges designed to fit over nib of door frame.
5 - Fit lock into stile which has been milled out previously.
6 - Cut and prepare closing angle for door now ready for installation.

## Security Hinged Door - Installation

1 - Check door fits into reveal and the door has been made to site measurements.
2 - Lift the door with 3mm packer on step to give clearance at the bottom.
3 - Screw the top & bottom hinge to the reveal with 1 screw in the middle hole of the hinge.
4 - Check the door swings correctly and fits into the reveal.
a - If the door catches on the handle/lock side, check the hinges into the reveal.
b - If the door needs to be lifted or dropped on the diagonal, the door frame will need to be pinned to the grille in two places on each side. The rivets should be fitted on the inside of the door. Either drill through the mesh, or remove spline and mesh from each comer, drill & fit the rivets, then replace the mesh and spline.
5 - Screw the striker plate to the reveal in line with the door lock.
6 - Use a 3mm twist drill to drill out the rebate for the lock.
Chisel the remainder of the timber out of the lock rebate.
7 - Screw the closing angle onto the reveal when the door is closed.
If the closing angle catches the door handle, the closing angle will need to be cut away to clear the handle.
8 - Paint the exposed edge with the appropriate colour.
9 - Always clean off all fingermarks, leave the site clean and tidy.

## Security Hinged Door - Build out Installation

1 - The Adaptor box is manufactured and installed first; the security door is then hung from it.
2 - Check the door is the correct size for the application.
3 - Measure the internal width of the build out frame to determine the size and setout for the base channel brackets (BCB).
4 - The BCB (8 per door) are screwed to the existing door frame. 1 x each Top and Bottom, 3 x each side in line with the hinges / locking points. Fixing may be from the outside or inside depending on the existing aluminium joinery door frame.
Note: In some situations, the house door may have to be removed from the hinges (knock out hinge pins)
5 - Slide the build out frame over the 8 x BCB and position it so that the existing door opens and closes easily.
6 - The door must fit evenly within the build out frame, ie. the door should have the same gaps top and bottom, and an even gap on the handle side. Open the door and, working from the inside, use 6g x 12mm pan s/s screws to fix the build out frame to each of the 8 x BCB. Alternatively, pop rivets can be used.
7 - Check the door operates correctly, including the handle and lock.
8 - Always clean off all fingermarks, leave the site clean and tidy.

# Amplimesh® Single Door Hinged

SD#

Customer

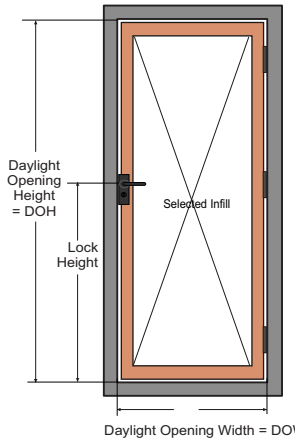
Order No | Date

**WO** Juralco **SO** Juralco **$** Juralco

**Select/Enter Dimensions below. Enter details/selections into all boxes. Then scan and send to sales@juralco.co.nz**

## This Order Form - Amplimesh® Single Door, Hinged only.

**Juralco Security Single Door - Hinged**
**(build outs not shown)**




**1** Enter Location

Enter Sizes

| Dimensions mm | Daylight OH | Daylight OW |
|---|---|---|
| | | |

**Max DOH, DOW**
**- Height 2450mm**
**- Width 1275mm**

**2** Duralloy ☐ Duralloy Plus ☐ Duratec ☐ OR Select Anodising

Select Finish — **Specify PC Colour and Code**

Natural ☐ Bronze ☐

**3** Select Buildouts, Options

A **None** ☐

B **J7465 Buildout 4 x Sides** ☐

C **J7466 Buildout 4 x Sides** ☐

D **J7467 Adaptor Sides and Top** ☐

Select options

| Insect Screens (Black) | No | Fibreglass Mesh | Midge Mesh | Petscreen Mesh | Lookout Mesh |
|---|---|---|---|---|---|
| | | | | | |

| Door Frames | J9295 Square | J6661 Curved |
|---|---|---|
| | | |

| JD100 Snib Protector | No | Poly | White | SCC |
|---|---|---|---|---|
| | | | | |

| Door Lock Punching | No | Yes | Height | LH or RH Closing |
|---|---|---|---|---|
| | | | | |

| Hinge JC242 Finish | SS | White | Black | SCC |
|---|---|---|---|---|
| | | | | |

| Heavy Duty Door Closer | No | White | Black |
|---|---|---|---|
| | | | |

**4 Elegance Lock Options**

| Lock Finish | White | Black | SCC |
|---|---|---|---|
| | | | |

| Multi Point Kits | High | Low | Pool |
|---|---|---|---|
| | | | |

| Wide Strike Plate | No | Yes |
|---|---|---|
| | | |

| C4 Cylinders | 46mm Wafer Random | 5 pin Random 64mm Key | 5 pin Keyed alike | 6 pin Keyed alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|---|---|
| | | | | | | |

**5 Ultimate Lock Options**

| Lock Finish | Black | SCC |
|---|---|---|
| | | |

| Multi Point Kits | High | Low |
|---|---|---|
| | | |

**6 Whitco Tasman Mk2 Lock Options**

| Lock Finish | White | Black |
|---|---|---|
| | | |

| Lock Cylinders | Random Key | Keyed Alike |
|---|---|---|
| | | |

| Extra Wide Strike Plate | No | Yes |
|---|---|---|
| | | |

| Anti Jemmy Kit | No | Yes |
|---|---|---|
| | | |

**7 Lockwood 8654 Lock Options**

| Lock Finish | White | Black |
|---|---|---|
| | | |

| Lock Cylinders | Random Key | Keyed Alike |
|---|---|---|
| | | |

| Extra Wide Strike Plate | No | Yes |
|---|---|---|
| | | |

| Standard 3 Point Kit | No | Yes |
|---|---|---|
| | | |

**8** Remarks

# Amplimesh® Double Door Hinged

SD#

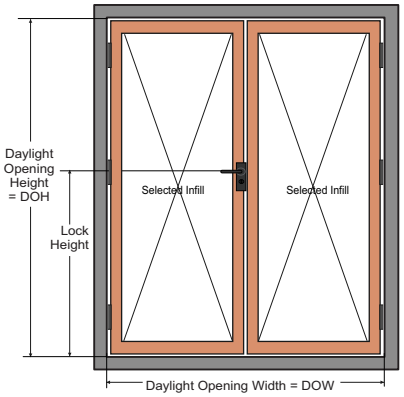
| Customer | |
|---|---|
| Order No | Date |

**WO** Juralco **SO** Juralco **$** Juralco

**Select/Enter Dimensions below. Enter details/selections into all boxes. Then scan and send to sales@juralco.co.nz**

## This Order Form - Amplimesh® Double Door, Hinged only.

**Juralco Security Double Door - Hinged (build outs not shown)**




**1** Enter Location

| Enter Sizes | Dimensions mm | Daylight OH | Daylight OW |
|---|---|---|---|
| | | | |

**Max DOH, DOW**
**- Height 2450mm**
**- Width 2530mm**

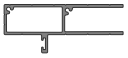
**2** Duralloy ☐ Duralloy Plus ☐ Duratec ☐ OR Select Anodising

Select Finish — **Specify PC Colour and Code**

Natural ☐ Bronze ☐

**3** Select Buildouts, Options

A **None** ☐

B  **J7465 Buildout 4 x Sides** ☐

C **J7466 Buildout 4 x Sides** ☐

Select options

| Insect Screens (Black) | No | Fibreglass Mesh | Midge Mesh | Petscreen Mesh | Lookout Mesh |
|---|---|---|---|---|---|
| | | | | | |

| Door Frames | J9295 Square | J6661 Curved |
|---|---|---|
| | | |

| JD100 Snib Protector | No | Poly | White | SCC |
|---|---|---|---|---|
| | | | | |

| Door Lock Punching | No | Yes | Height | LH or RH Frame |
|---|---|---|---|---|
| | | | | |

| Hinge JC242 Finish | SS | White | Black | SCC |
|---|---|---|---|---|
| | | | | |

Select more options

| Whitco Flush Bolts | Singles x 2 | Double |
|---|---|---|
| | | |

| Heavy Duty Door Closer | No | White | Black |
|---|---|---|---|
| | | | |

**4** Elegance Lock Options

| Lock Finish | White | Black | SCC |
|---|---|---|---|
| | | | |

| Multi Point Kits | High | Low | Pool |
|---|---|---|---|
| | | | |

| Strike Plate | NA | Narrow | Wide |
|---|---|---|---|
| | | | |

| C4 Cylinders | 46mm Wafer Random | 5 pin Random 64mm Key | 5 pin Keyed alike | 6 pin Keyed alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|---|---|
| | | | | | | |

**5** Ultimate Lock Options

| Lock Finish | Black | SCC |
|---|---|---|
| | | |

| Multi Point Kits | High | Low |
|---|---|---|
| | | |

**6** Whitco Tasman Mk2 Lock Options

| Lock Finish | White | Black |
|---|---|---|
| | | |

| Lock Cylinders | Random Key | Keyed Alike |
|---|---|---|
| | | |

| Extra Wide Strike Plate | No | Yes |
|---|---|---|
| | | |

| Anti Jemmy Kit | No | Yes |
|---|---|---|
| | | |

**7** Lockwood 8654 Lock Options

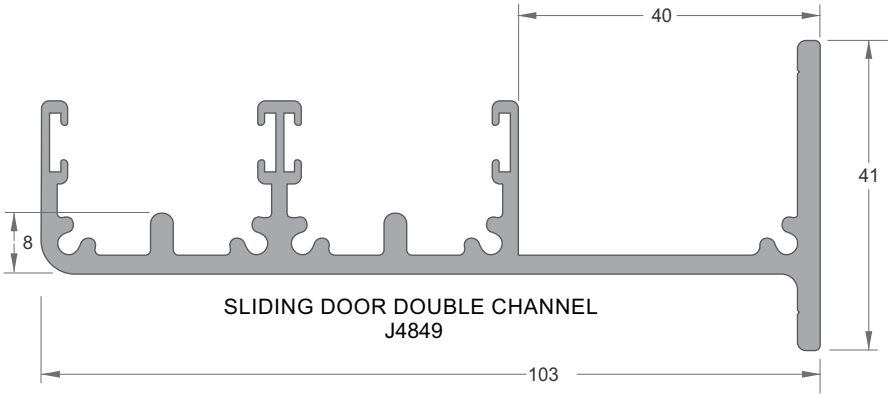
| Lock Finish | White | Black |
|---|---|---|
| | | |

| Lock Cylinders | Random Key | Keyed Alike |
|---|---|---|
| | | |

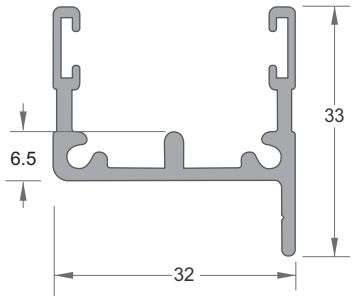
| Extra Wide Strike Plate | No | Yes |
|---|---|---|
| | | |

| Standard 3 Point Kit | No | Yes |
|---|---|---|
| | | |

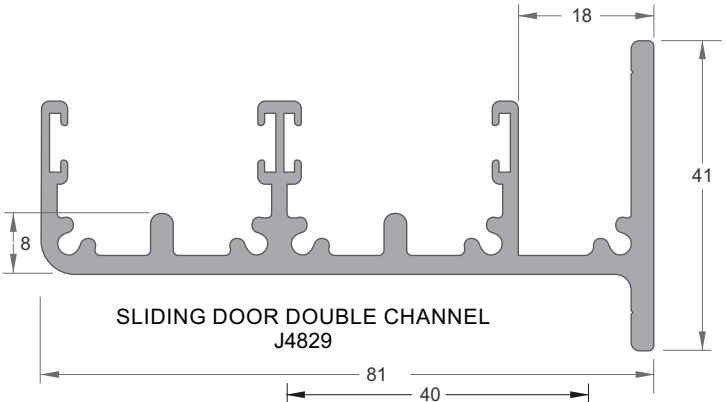
**8** Remarks



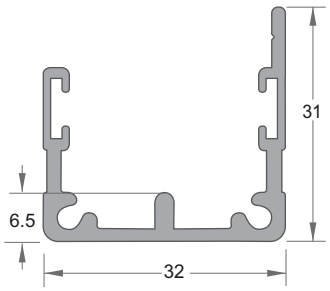

SLIDING DOOR DOUBLE CHANNEL
J4849



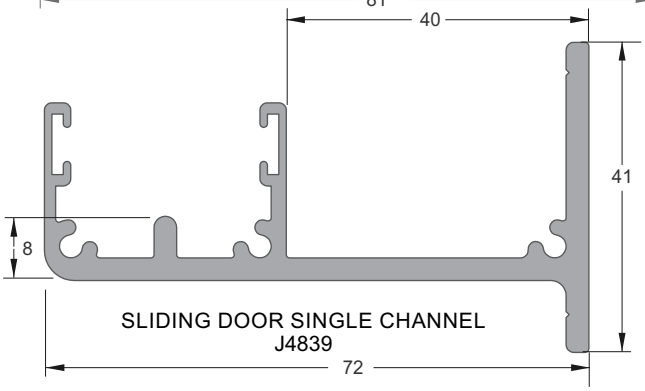

SLIDING DOOR CHANNEL
J4558



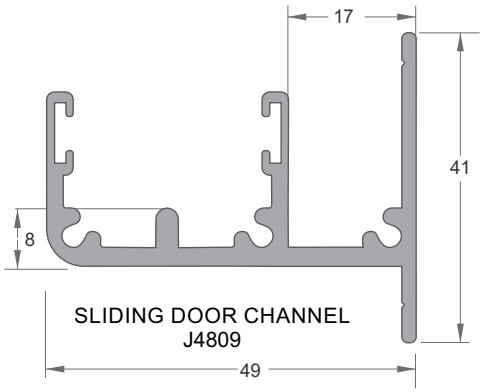

SLIDING DOOR DOUBLE CHANNEL
J4829



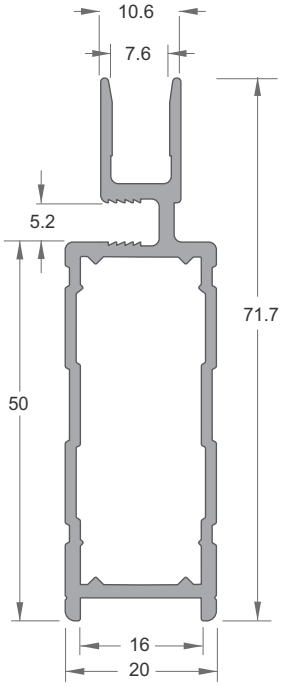

SLIDING DOOR CHANNEL
J4559



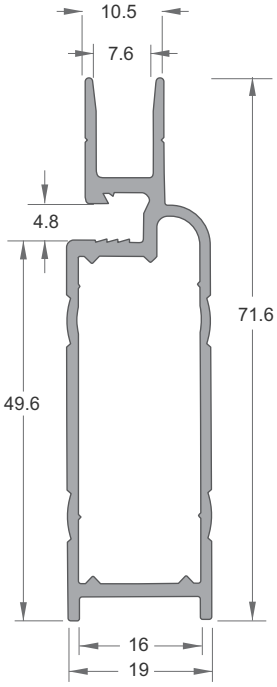

SLIDING DOOR SINGLE CHANNEL
J4839



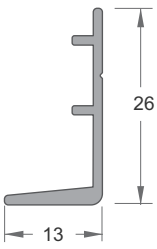

SLIDING DOOR CHANNEL
J4809



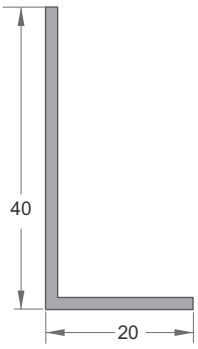

DOOR FRAME
J9295




DOOR FRAME
J6661

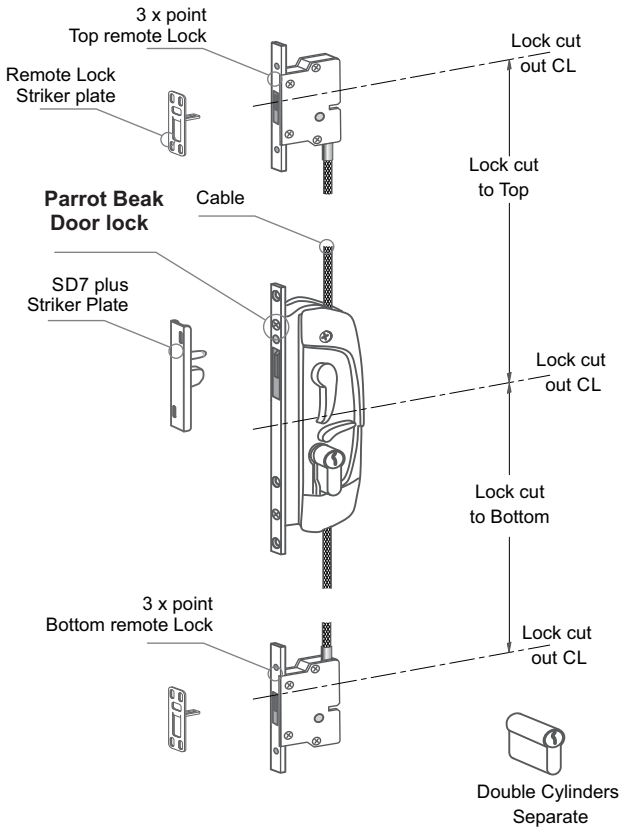



INTERLOCK
3mm Female
J9719




LOCKING ANGLE
JA128

## Sliding Door Locks SD7Plus + SD14Plus Kit




**Sliding Security Doors - Lock Selection**

**a -** This lock can be used for RH or LH sliding doors .

**b -** Standard, Three point Lock - including Parrot Beak Door Lock, Cable Drive, Top and Bottom Remote Parrot beak locks

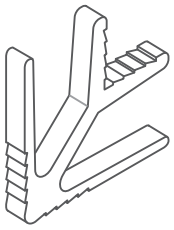
**c -** Available in four different CL combinations

Refer Austral Catalog for more information

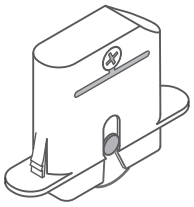
## Nylon End Stop JC203

## Door Stop JP2306

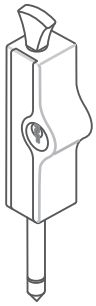
## Staking Angle, Heavy Duty JC216



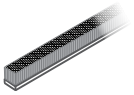
## Kwikfit Roller JC206



## Patio Bolt JJH22063

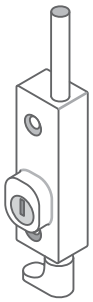


## Mohair Strip JC225



350mt Roll

## Patio Bolt JJM316B

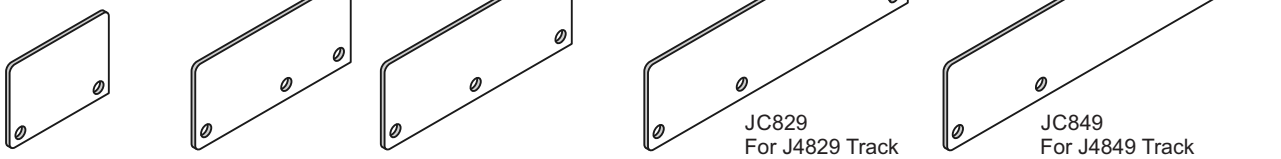


Black only

## Patio Bolt JM283

## Security Door Sliding Track End Caps

All attach with, screws
2 x JVBSCREW/10x6



JC458
For J4558, J4559 Tracks

JC809
For J4809 Track

JC839
For J4839 Track

JC829
For J4829 Track

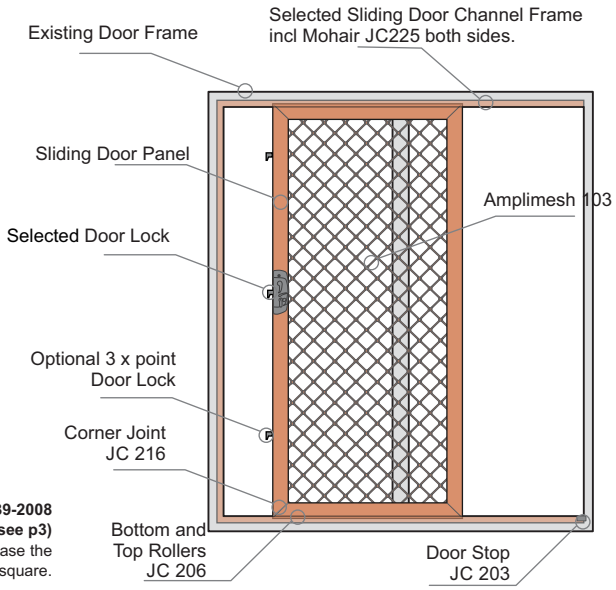
JC849
For J4849 Track

## Security Sliding Door Recommendations

For face mounting, on the exterior only.
Insect screen options.

Note - This configuration can be used to add security to any Door opening. The frame and security grille are lightweight and suitable for all environments.

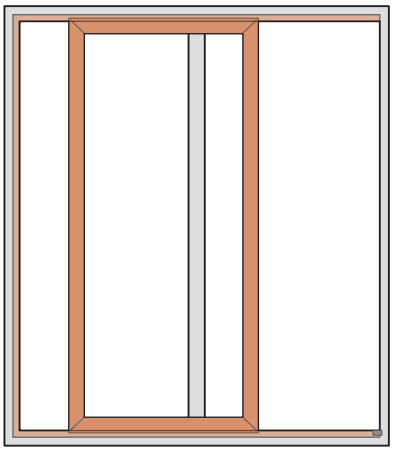
1 - **Frame** - Heavy duty Door Frame PN 9295
2 - **Corner Joints** - JC 216 attach all corners .
After assembling the frame the door should stay completely rigid.
3 - **Security Grille** - Amplimesh Security Grille 103
4 - **Locks** - We recommend Austral Murray SD7, SD8 or Whitco Leichardt
Kits can be added to convert to 3 point locks.
5 - **Inter locker** -The two piece interlock system securely locks the back edge of the sliding security door to the existing mullion.
Select 9716, 9717 or 9718 Male Interlock sections as appropriate for the door/mullion gap.
6 - **Fasteners** - High strength, stainless steel rivets to be used for fastening corner stakes, hinges and grille to frame.
Size and application of rivets must allow no movement between parts. Stainless 8-gauge fixing screws can be used as an alternative.
The heads of all fasteners must be concealed to restrict access from outside when the door is closed.




**To conform to AS5039-2008 the Mesh must be rivetted to the Frame (see p3)**
This is best done on site in case the door needs altering slightly out of square.

## Security Sliding Door Measuring

**Check list for measuring up a Security Door**

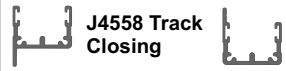


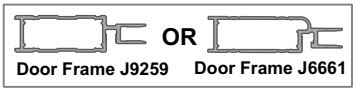
1 - **Select <u>Sliding Door Channel</u> Frame (SDCF)**
Choose 4559 32mm Channel for a normal Door, or 4809 49mm Channel if an offset is needed or opening a sash window on existing slider.
2 - **Fixing Method** - Determine method of fixing SDCF to face of existing joinery. Is there sufficient fixing or is a box section or angle pocket required.
3 - **Frame** - Will SDCF be 4 sides or 3 sides only (ie nonlocking vertical side left open)
4 - **SDC Setout** - Determine actual fixing position of SDCF by using extrusion offcut, locate, mark and measure for overall height and width of SDCF.
5 - **<u>Sliding Door Panel</u> (SDP) Height Setout**
When installing the door, use the height adjustment to locate the SDP to the SDCF.
6 - **<u>Sliding Door Panel</u> (SDP) Width Setout**
To determine width of SDP.
Care must be taken when measuring to determine:
(i) Which Interlock to use on existing aluminium joinery mullion, either 9716 or 9717.
(ii) Ensure that the Interlock chosen locates securely into the 9719 Female Interlock when the SDP is in the locked position. This is the critical factor in determining the actual width of the SDP
(iii) Determine points (i) & (ii) & using offcut extrusion mark & measure width accordingly.

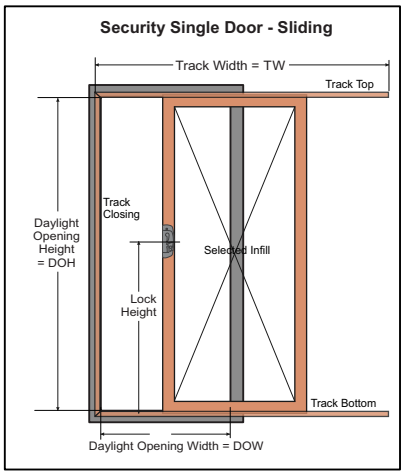
7 - **Check** around doorway to see there are no protruding fuse boxes or hanging lights to stop security door from fully opening.
8 - **Check** to see that there are no door knockers or door bells that may require relocating before security door could be installed.
9 - **Check** colour finish of security door and type of Amplimesh panel required

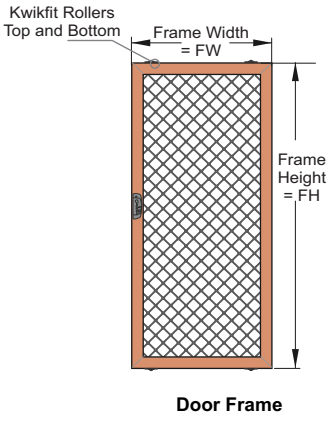
Clearguard Single Sliding Door

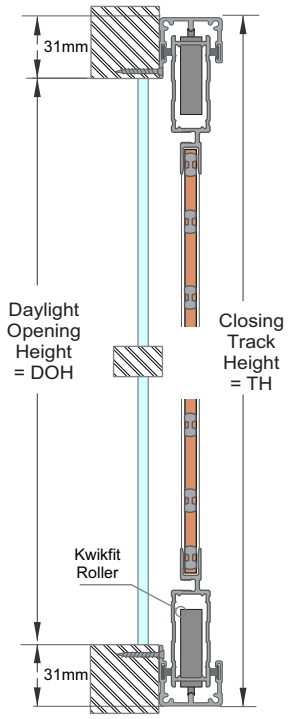
Ⓐ

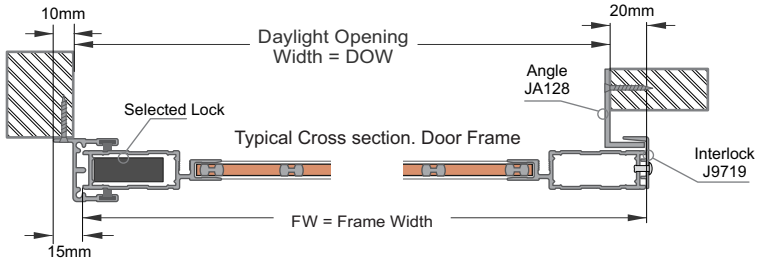



## AMPLIMESH SINGLE SLIDING DOOR
**Tracks J4558/J4559**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Closing Track Height TH | J4558 | (DOH + 64) =TH | 1 |
| 2 | Woolpile Height | JC225 | TH | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH + 42) = FH | 2 |
| | | | | |
| 1 | Track Width TW | J4559 | Enter Width = TW | 2 |
| 2 | Woolpile Width | JC225 | TW | 4 |
| 3 | Door Frame Width FW | J6661 or J9259 | (DOW + 5) = FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

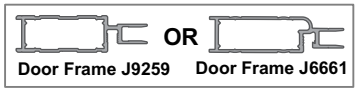
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

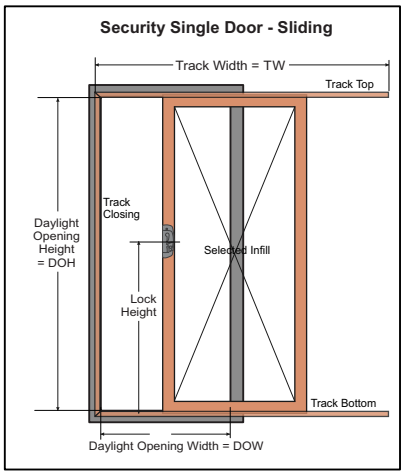
## Components, always needed

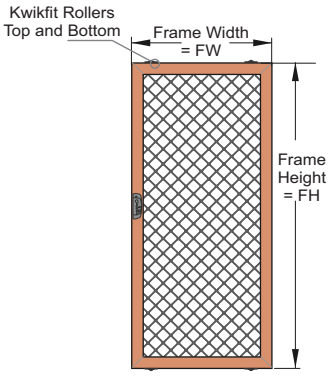
| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Roller | JC206 | 4 |
| 2 | Corner Stake HD | JC216 | 4 |
| 3 | Track End Cap | JC458 | 2 |
| 4 | Track End Stop | JC203 | 1 |

**+ Security Sliding Door Locks**
Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

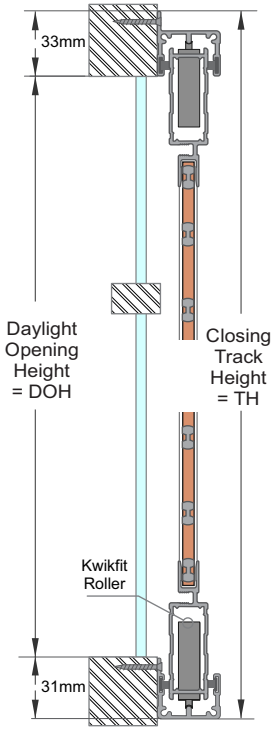
Amplimesh Single Sliding Door (B)

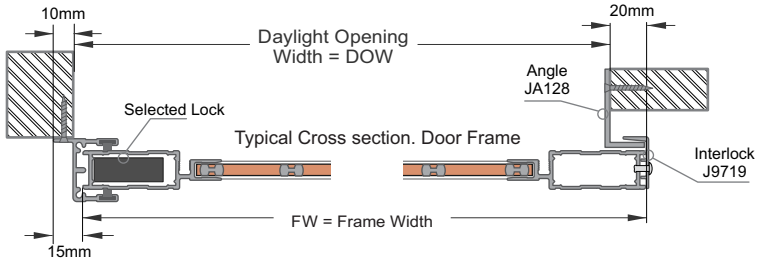



Door Frame




## AMPLIMESH SINGLE SLIDING DOOR
## Tracks J4558/J4559

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Closing Track Height TH | J4558 | (DOH + 64) = TH | 1 |
| 2 | Woolpile Height | JC225 | TH | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH + 35) = FH | 2 |
| | | | | |
| 1 | Track Width | J4558, J4559 | Enter Width = TW | 1ea |
| 2 | Woolpile Width | JC225 | TW | 4 |
| 3 | Door Frame Width FW | J6661 or J9259 | (DOW + 5) = FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

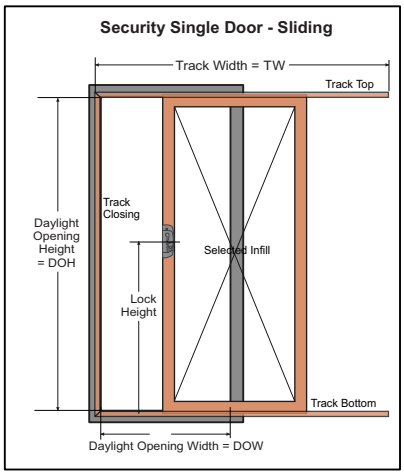
| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Roller | JC206 | 4 |
| 2 | Corner Stake HD | JC216 | 4 |
| 3 | Track End Cap | JC458 | 2 |
| 4 | Track End Stop | JC203 | 1 |

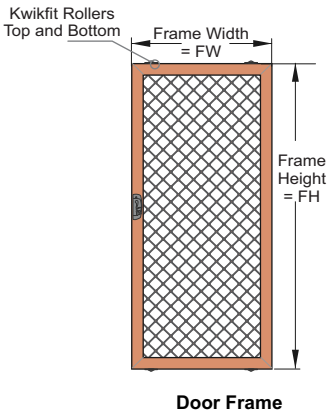
**+ Security Sliding Door Locks**
Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

Amplimesh Single Sliding Door

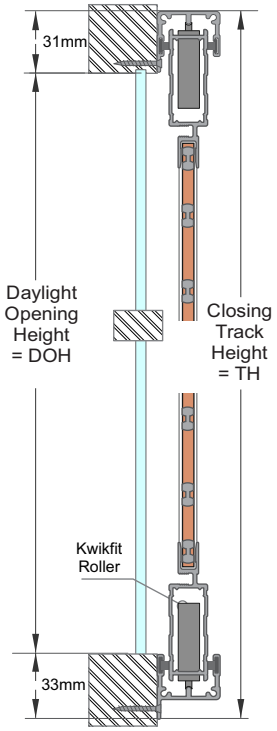
© J4558 Track Bottom and Closing | J4559 Track Top

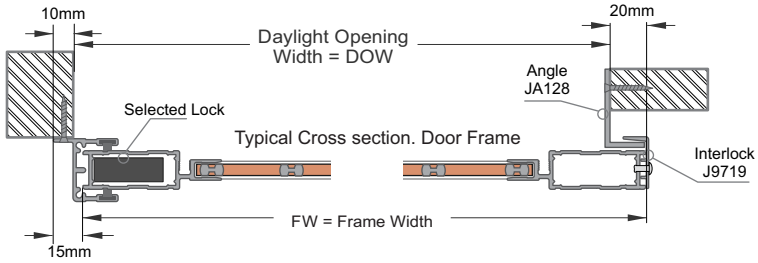
Door Frame J9259 OR Door Frame J6661




Door Frame




## AMPLIMESH SINGLE SLIDING DOOR
**Tracks J4558/J4559**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Closing Track Height TH | J4558 | (DOH + 64) = TH | 1 |
| 2 | Woolpile Height | JC225 | TH | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH + 35) = FH | 2 |
| | | | | |
| 1 | Track Width TW | J4558, J4559 | Enter Width = TW | 1ea |
| 2 | Woolpile Width | JC225 | TW | 4 |
| 3 | Door Frame Width FW | J6661 or J9259 | (DOW + 5) = FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

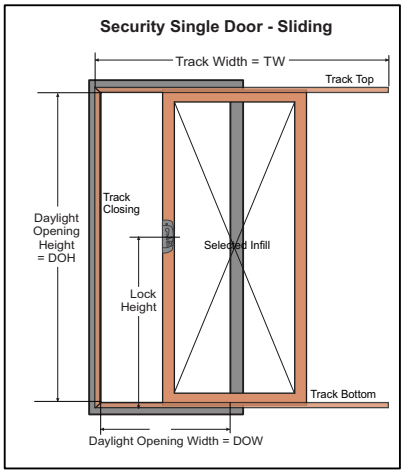
| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Roller | JC206 | 4 |
| 2 | Corner Stake HD | JC216 | 4 |
| 3 | Track End Cap | JC458 | 2 |
| 4 | Track End Stop | JC203 | 1 |

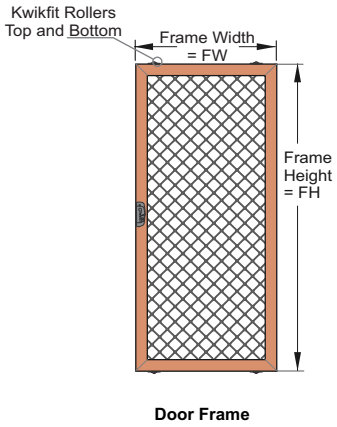
**+ Security Sliding Door Locks**
Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

Amplimesh Single Sliding Door

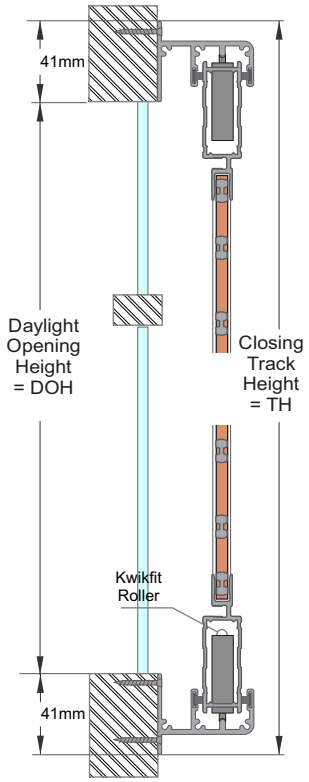
D / E — J4809 Track Top, Bottom and Closing **OR** J4839 Track Top, Bottom and Closing

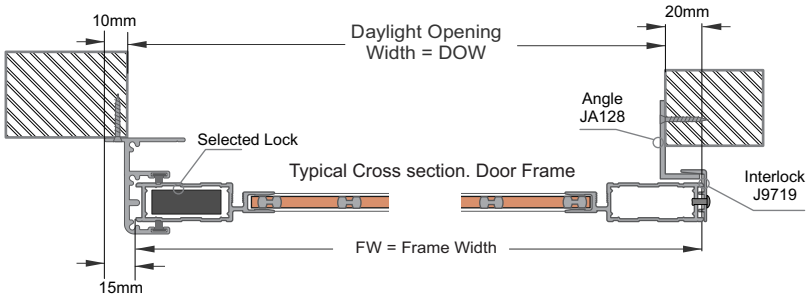
Door Frame J9259 **OR** Door Frame J6661




**Door Frame**




## AMPLIMESH SINGLE SLIDING DOOR
**Tracks J4809 or J4839**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Closing Track Height TH | J4809 or J4839 | (DOH + 82) = TH | 1 |
| 2 | Woolpile Height | JC225 | TH | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH + 41) = FH | 2 |
| | | | | |
| 1 | Track Width TW | J4809 or J4839 | Enter Width = TW | 2 |
| 2 | Woolpile Width | JC225 | TW | 4 |
| 3 | Door Frame Width FW | J6661 or J9259 | (DOW + 5) = FW | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

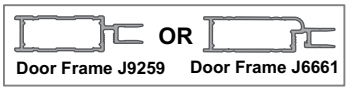
## Components, always needed

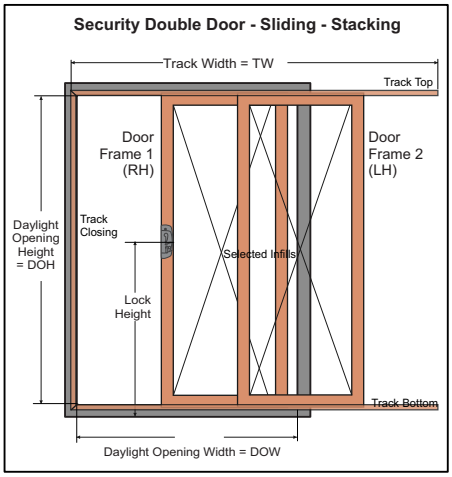
| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Roller | JC206 | 4 |
| 2 | Corner Stake HD | JC216 | 4 |
| 3 | Track End Cap | JC458 | 2 |
| 4 | Track End Stop | JC203 | 1 |

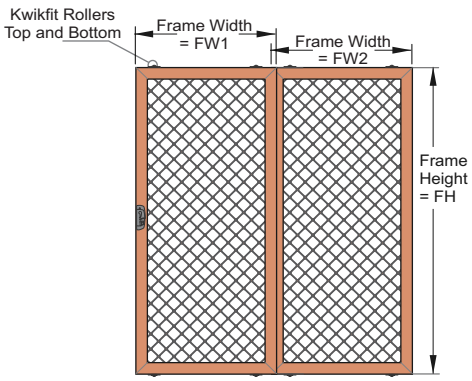
**+ Security Sliding Door Locks**
Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

Amplimesh Double Stacking Sliding Door

A / B

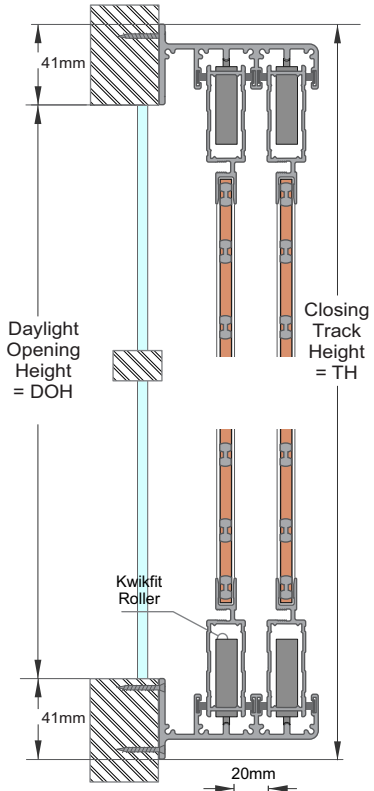


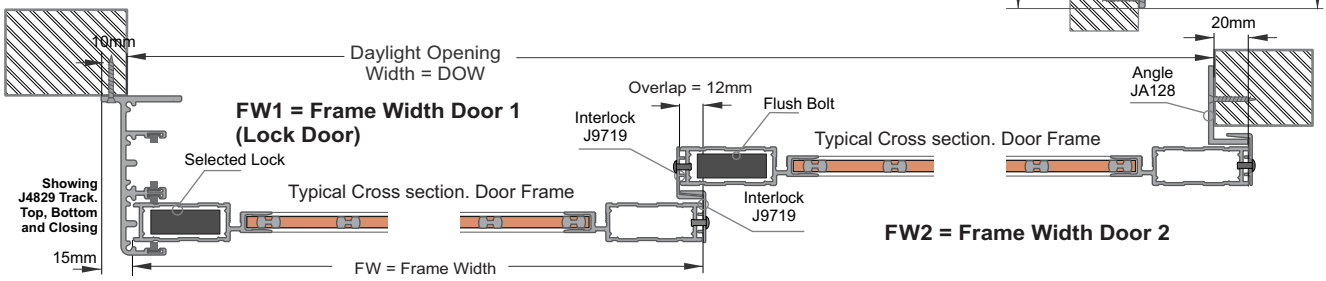




**Door Frames**

**Door Widths can be Equal or Unequal**




## AMPLIMESH DOUBLE/STACKING SLIDING DOOR
**Tracks J4829 or J4849**

**Door Widths can be Equal or Unequal**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Closing Track Height TH | J4829 or J4849 | (DOH + 82) = TH | 1 |
| 2 | Woolpile Height | JC225 | TH | 2 |
| 3 | Door Frame Height FH | J6661 or J9259 | (DOH + 41) = FH | 4 |
| | | | | |
| 1 | Track Width TW | J4829 or J4849 | Enter Width = TW | 2 |
| 2 | Woolpile Width | JC225 | TW | 8 |
| 3 | Door Frame Width **EQUAL** | J6661 or J9259 | (DOW + 27)/2 = FW | 4 |
| 4 | Door Frame Width **Unequal** FW1 | | Enter Width =FW1 | 2 |
| 5 | Door Frame Width **Unequal** FW2 | | (DOW+17-FW1) =FW2 | 2 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

## Components, always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Rollers | JC206 | 8 |
| 2 | Corner Stake HD | JC216 | 8 |
| 3 | Track End Caps | JC829 or JC849 | 2 |
| 4 | Track End Stop | JC203 | 1 |
| | Select either Flushbolts | | |
| 5 | Whitco Single Flushbolt | JJH203817 | 2 |
| 6 | Austral Double Flushbolt, with Rods | JJMFlushbolt/BLK | 1 |

**+ Security Sliding Door Locks**

Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

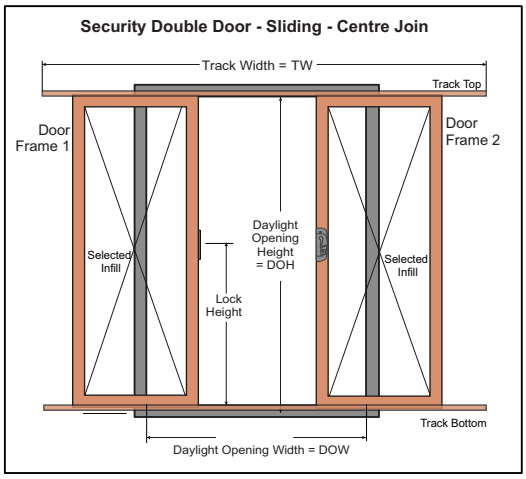
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

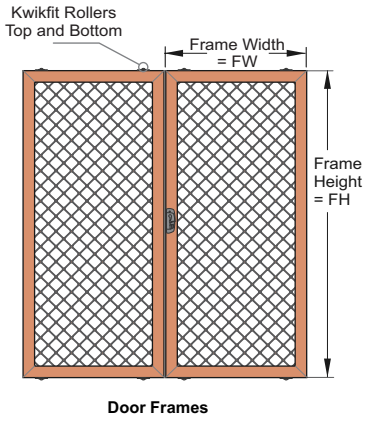
Amplimesh Double Centre Join Sliding Door

A / B — J4809 Track Top, Bottom only (no Closing) **OR** J4839 Track Top, Bottom only (no Closing)

**OR**

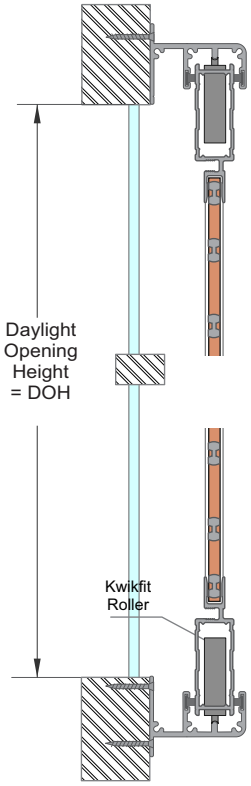
Door Frame J9259 **OR** Door Frame J6661

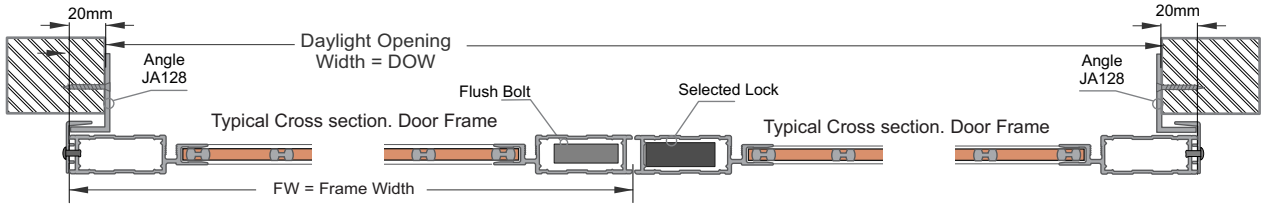



**Door Frames**

**Door Widths only Equal**




## AMPLIMESH DOUBLE/CENTRTE JOIN SLIDING DOOR
**Tracks J4829 or J4849**

**Door Widths only Equal**

| | HEIGHTS, WIDTHS | Part | Cutting Calc | No |
|---|---|---|---|---|
| 1 | Door Frame Height FH | J6661 or J9259 | (DOH + 41) = FH | 4 |
| | | | | |
| 1 | Track Width TW | J4829 or J4849 | Enter Width = TW | 2 |
| 2 | Woolpile Width | JC225 | TW | 4 |
| 3 | Door Frame Width **EQUAL** FW | J6661 or J9259 | (DOW + 40)/2 = FW | 4 |

| | | | | |
|---|---|---|---|---|
| 1 | Amplimesh Panel Height | J103.... | FH - 120 | 1 |
| 2 | Door Interlock Extrusion | J9719 | FH | 1 |
| 3 | Wall Interlock Angle | JA128 | FH | 1 |
| 4a | If Insect Mesh, Height | JPS.... | FH - 60 | 1 |
| 4b | If Insect Spline, Height | JC/220 | FH - 60 | 2 |
| 5a | If Lookout, Panel Height | J301... | FH - 104 | 1 |
| 5b | If Lookout, Glazing Bead Height | JA9840 | FH - 100 | 2 |
| | | | | |
| 1 | Amplimesh Panel Width | J103... | FW - 120 | 1 |
| 2a | If Insect Mesh, Width | JPS.... | FW - 60 | 1 |
| 2b | If Insect Spline, Width | JC/220 | FW - 60 | 2 |
| 3a | If Lookout Panel, Width | J301... | FW - 104 | 1 |
| 3b | If Lookout, Glazing Bead Width | JA9840 | FW - 100 | 2 |

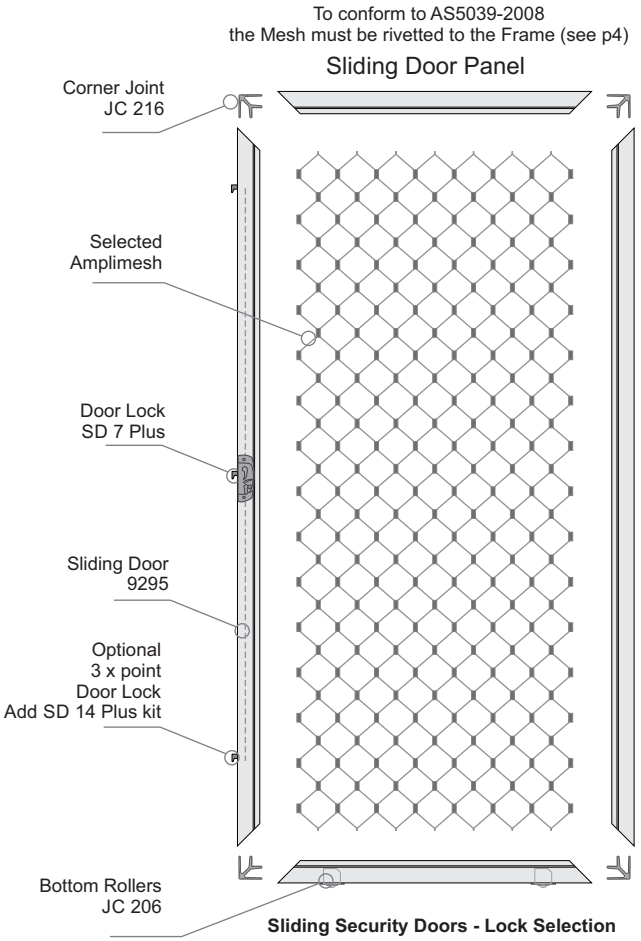
Cutting calculations - These are a guide only, confirm before cutting
Strongly Recommended - Allow +30mm per cut to allow for Trimming/Mitre cuts and on site adjustment

## Components, always needed

| | Description | Part No | No |
|---|---|---|---|
| 1 | Kwikfit Rollers | JC206 | 8 |
| 2 | Corner Stake HD | JC216 | 8 |
| 3 | Track End Caps | JC809 or JC839 | 2 |
| 4 | Track End Stop | JC203 | 1 |
| | Select either Flushbolts | | |
| 5 | Whitco Single Flushbolt | JJH203817 | 2 |
| 6 | Austral Double Flushbolt, with Rods | JJMFlushbolt/BLK | 1 |

**+ Security Sliding Door Locks**
Choice of Austral Murray SD7, SD8 or Whitco Liechardt.
Associated Cylinders, Multipoint Kits and Black, White ,SCC finishes for SD7, SD8
All as per Feb 2020 Price Book

## Security Sliding Door Machining, Assembly

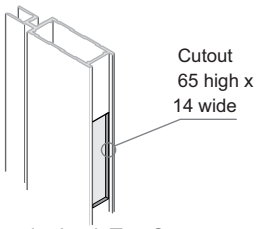



**Sliding Security Doors - Lock Selection**

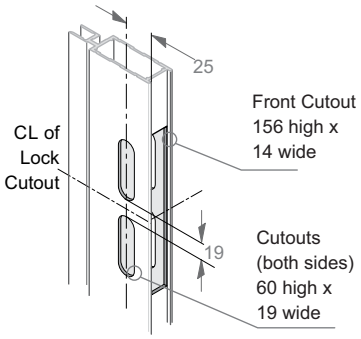
**a** - Single point Lock - Austral SD 7 Plus

**b** - Three point Lock, Cable Drive
Austral SD 7 Plus + SD 14 Plus kit

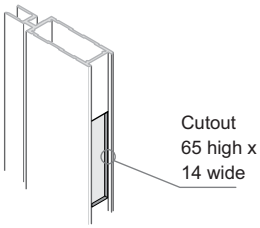
## SD7Plus, SD14Plus, Wheel Door Frame Machining



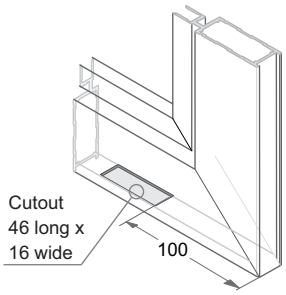

Three point Lock Top Cutout




Lock Centre Cutout

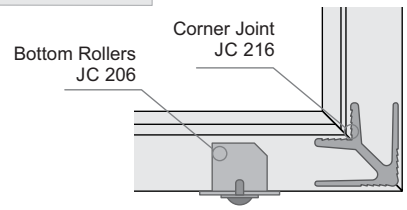



Three point Lock Bottom Cutout



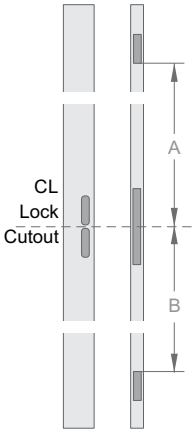

JC 206 Kwikfit Roller Cutout

## Sliding Door Panel Corners



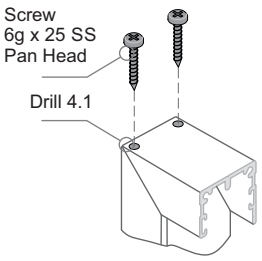

## SD14Plus Door Frame Machining Setouts

| SD14 - 3 Point Locks | A dim | B dim |
|---|---|---|
| Machining Setouts | to Top | to Bottom |
| High Centre Lock | 546 | 961 |
| Low Centre Lock | 961 | 546 |
| Pool Centre Lock | 375 | 961 |
| Sample Lock | 375 | 375 |
| Setout Tolerances all plus/minus 3mm | | |

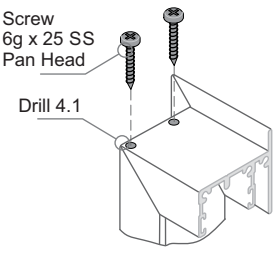



SD14 system

## SD Channel Corner Attach




SDC 4559
Corner Attach
(screw from top, bottom)




SDC 4809, 4558
Corner Attach
(screw from top, bottom)

## Amplimesh Sliding Door Installation

1 - Check the extrusions supplied are the correct ones for this application, ie. they fit around windows and take account of any restricted clearances around the door frame.
2 - Screw the vertical jamb extrusion into position so that the top and bottom tracks can be easily and properly fixed into position.
a- The bottom track is usually "top-fixed" extrusion.
b - The side and top tracks are usually "sub-fixed" extrusion.
c - The miters should be checked to ensure any excess 'wings' are cut off before installation
3 - Check the door is the correct size, ie. the door doesn't interfere with any adjacent opening windows.
4 - Screw the bottom track into place, making sure it is as close as possible to 90deg with the vertical closing jamb, and running in a straight line without sags or bumps.
5 - Place the door onto the bottom track and level up with the closing jamb using the adjustable door rollers.
6 - Screw the top track into position, making sure the extrusion sits underneath any opening windows.
7 - Mark the door latch position on the closing jamb.
8 - Using 2 of 10g x 12mm Pan S/S screws, screw the door latch packer to the closing jamb
9 - Screw the door latch to the door latch packer using 2 of 10g x 12mm Pan S/S screws.
fit the brush strip to the back of the door or to the mullion (prefer the mullion if there is an opening window adjacent)
10 - Fit Interlock angles to backs of Door and Mullions.
11 - Test Doors for smoothness + shutting/locking and full retraction to stops.
12 - Always clean off all fingermarks, leave the site clean and tidy.

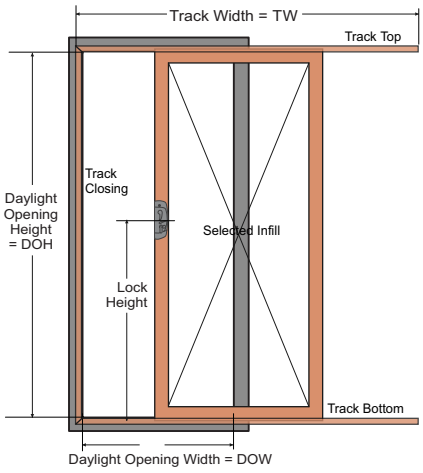
# Amplimesh® Single Door Sliding

| | | |
|---|---|---|
| Customer | | SD# |
| Order No | Date | |
| WO Juralco | SO Juralco | $ Juralco |

**Select/Enter Dimensions below. Enter details/selections into all boxes. Then scan and send to sales@juralco.co.nz**

## This Order Form - Amplimesh® Single Door, Sliding only.

**Security Single Door - Sliding**




**1** Enter Location

| Enter Sizes | Dimensions mm | Daylight OH | Daylight OW | Track Width (TW) |
|---|---|---|---|---|
| | | | | |

**2** Select Finish

Duralloy ☐ Duralloy Plus ☐ Duratec ☐

**Specify PC Colour and Code**

OR Select Anodising

Natural ☐ Bronze ☐

**3** Select Track Layouts

| | | |
|---|---|---|
| A | J4558 Track Closing + J4559 Track Top and Bottom | ☐ |
| B | J4558 Track Top and Closing + J4559 Track Bottom | ☐ |
| C | J4558 Track Bottom and Closing + J4559 Track Top | ☐ |
| D | J4809 Track Top, Bottom and Closing | ☐ |
| E | J4839 Track Top, Bottom and Closing | ☐ |

Select options

| Insect Screens (Black) | No | Fibreglass Mesh | Midge Mesh | Petscreen Mesh | Lookout Mesh |
|---|---|---|---|---|---|
| | | | | | |

| Door Frames | J9295 Square | J6661 Curved |
|---|---|---|
| | | |

| Door Lock Punching | No | Yes | Height | LH or RH Closing |
|---|---|---|---|---|
| | | | | |

**4** Austral Murray SD7 or SD8 Lock Options

| Lock Type | SD7 | SD8 |
|---|---|---|
| | | |

| Lock Finish | White | Black | SCC |
|---|---|---|---|
| | | | |

| Multi Point Kits | High | Low |
|---|---|---|
| | | |

| C4 Cylinders | 46mm Wafer Random | 5 pin Random 64mm Key | 5 pin Keyed alike | 6 pin Keyed alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|---|---|
| | | | | | | |

**5** Whitco Liechardt Lock Options (Black only)

| Whitco Cylinders | Random Key | Keyed Alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|
| | | | | |

| Multi Point (Black) | No | Yes |
|---|---|---|
| | | |

**6** Remarks

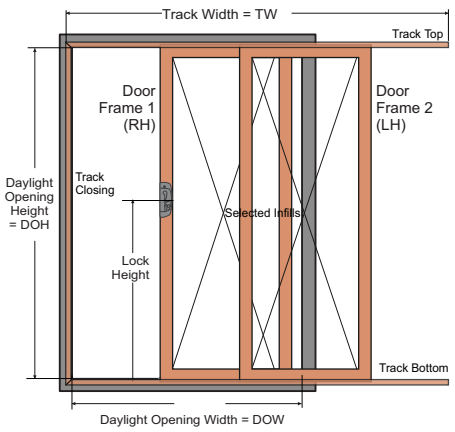
# Amplimesh® Double Door Sliding/Stacking

| | | |
|---|---|---|
| Customer | | SD# |
| Order No | Date | |
| WO Juralco | SO Juralco | $ Juralco |

**Select/Enter Dimensions below. Enter details/selections into all boxes. Then scan and send to sales@juralco.co.nz**

## This Order Form - Amplimesh® Double Door/Stacking, Sliding only.

**Security Double Door - Sliding - Stacking**




**Doors Widths Equal or Unequal**

**1** Enter Location

| Enter Sizes | Dimensions mm | Daylight OH | Daylight OW | Track Width (TW) |
|---|---|---|---|---|
| | | | | |

**Max DOH, DOW**
**- Height 2490mm**
**- Width 2530mm**

**2** Select Finish

Duralloy ☐ Duralloy Plus ☐ Duratec ☐

**Specify PC Colour and Code**

OR Select Anodising

Natural ☐ Bronze ☐

**3** Select Track Layouts

A **J4829 Track Top, Bottom and Closing** ☐

B **J4849 Track Top, Bottom and Closing** ☐

Select options

| Insect Screens (Black) | No | Fibreglass Mesh | Midge Mesh | Petscreen Mesh | Lookout Mesh |
|---|---|---|---|---|---|
| | | | | | |

| Door Frames | J9295 Square | J6661 Curved |
|---|---|---|
| | | |

| Door Lock Punching | No | Yes | Height | LH or RH Closing |
|---|---|---|---|---|
| | | | | |

**4** Door Widths Equal or Unequal

Tick if Equal ☐

If Unequal Enter Width Door Frame 1 (LH)

If Unequal Enter Width Door Frame 2 (RH)

Note: Door Frame Widths 1280mm max

**5** **Austral Murray SD7 or SD8 Lock Options**

| Lock Type | SD7 | SD8 |
|---|---|---|
| | | |

| Lock Finish | White | Black | SCC |
|---|---|---|---|
| | | | |

| Multi Point Kits | High | Low |
|---|---|---|
| | | |

| C4 Cylinders | 46mm Wafer Random | 5 pin Random 64mm Key | 5 pin Keyed alike | 6 pin Keyed alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|---|---|
| | | | | | | |

**6** **Whitco Liechardt Lock Options (Black only)**

| Whitco Cylinders | Random Key | Keyed Alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|
| | | | | |

| Multi Point (Black) | No | Yes |
|---|---|---|
| | | |

**7** Remarks

# Amplimesh® Double Door Sliding/Centre Join

SD#

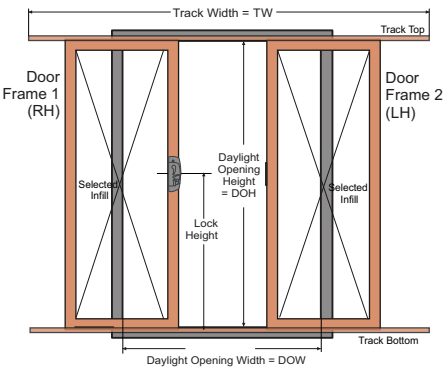
| | |
|---|---|
| Customer | |
| Order No | Date |

**WO** Juralco **SO** Juralco **$** Juralco

**Select/Enter Dimensions below. Enter details/selections into all boxes. Then scan and send to sales@juralco.co.nz**

## This Order Form - Amplimesh® Double Door/Centre Join, Sliding only.

**Juralco Security Double Door - Sliding - Centre Join**




**Doors Widths Equal only**

**1** Enter Location

Enter Sizes

| Dimensions mm | Daylight OH | Daylight OW | Track Width (TW) |
|---|---|---|---|
| | | | |

**Max DOH, DOW**
**- Height 2490mm**
**- Width 2530mm**

**2** Select Finish

Duralloy ☐ Duralloy Plus ☐ Duratec ☐

**Specify PC Colour and Code**

OR Select Anodising

Natural ☐

Bronze ☐

**3** SelectTrack Layouts, Options

A — **J4809 Track. Top, Bottom and Closing** ☐

B — **J4839 Track. Top, Bottom and Closing** ☐

Select options

| Insect Screens (Black) | No | Fibreglass Mesh | Midge Mesh | Petscreen Mesh | Lookout Mesh |
|---|---|---|---|---|---|
| | | | | | |

| Door Frames | J9295 Square | J6661 Curved |
|---|---|---|
| | | |

| Door Lock Punching | No | Yes | Height | LH or RH Frame |
|---|---|---|---|---|
| | | | | |

| Whitco Flush Bolts | Singles x 2 | Double |
|---|---|---|
| | | |

**5** Austral Murray SD7 or SD8 Lock Options

| Lock Type | SD7 | SD8 |
|---|---|---|
| | | |

| Lock Finish | White | Black | SCC |
|---|---|---|---|
| | | | |

| Multi Point Kits | High | Low |
|---|---|---|
| | | |

| C4 Cylinders | 46mm Wafer Random | 5 pin Random 64mm Key | 5 pin Keyed alike | 6 pin Keyed alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|---|---|
| | | | | | | |

**6** Whitco Liechardt Lock Options (Black only)

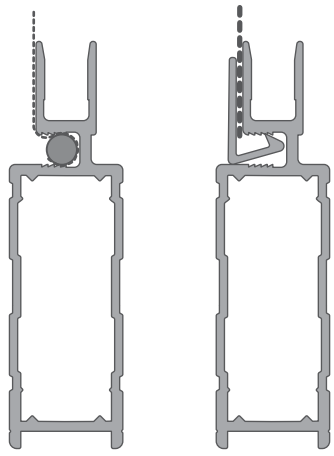
| Whitco Cylinders | Random Key | Keyed Alike | LH Thumb Turn, Random | RH Thumb Turn, Random |
|---|---|---|---|---|
| | | | | |

| Multi Point (Black) | No | Yes |
|---|---|---|
| | | |

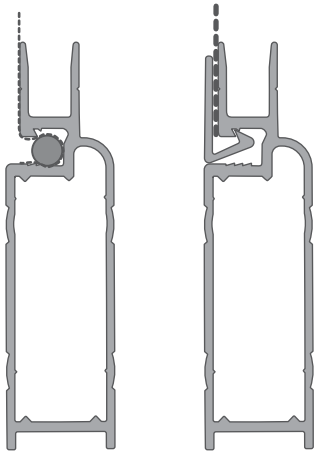
**7** Remarks

# Juralco Amplimesh® Security Door and Window Systems - Insect Screen Options

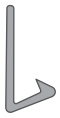
## Door Insect Screen Extrusions (for all Meshes, incl Lookout)




HINGED and SLIDING DOOR FRAME
Part No J9295

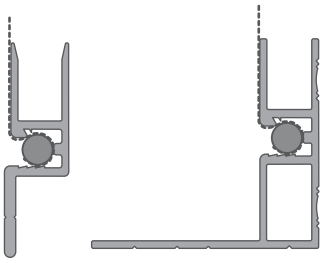



HINGED and SLIDING DOOR FRAME
Part No J6661



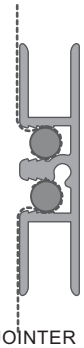
LOOKOUT GLAZING BEAD
Part No J9840
**(Doors only)**

## Window Insect Screen Extrusions (for Fibreglass and Midge mesh only)

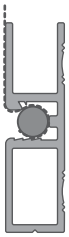


WINDOW FRAME
Part No 3717

WINDOW FRAME
Part No 6179



JOINTER
Part No 3516



WINDOW FRAME
Part No 5663

## Insect Screen Spline Sizes

Recommended splines
- For all Fibreglass mesh 6.3mm
- For all Petscreen mesh 6.0mm

## Insect Mesh Installation

1 - Lay the finished frame on a flat surface and drape the selected mesh over it.
2 - Cut the mesh on three sides to the outside edge of the frame but on the 4th side allow a generous 75-80mm overlap to enable the fabric to be stretched tight.
3 - Warm the PVC spline in hot water to make it more pliable so it is easier to manipulate. Use your fingers to work it into position.
4 - Start about 90mm from the corner and at the opposite end to the one that has the extra allowances for stretching.
5 - Use the spline roller to press the PVC spline into the slot.
6 - After completing one end, stretch the mesh tight whilst at the same time inserting the spline into the remaining 3 sides.
7 - Trim the excess with a sharp knife.

## Insect Screen Materials Splines, Meshes

| **Splines x 300m Roll** | |
|---|---|
| Part No | Spline dia |
| JC221/300/Black | 4.6mm |
| JC220/300/Black | 5.0mm |
| JC228/300/Black | 5.5mm |
| JC227/300/Black | 6.0mm |
| JC222/300/Black | 6.3mm |
| JC2231/300/Black | 6.5mm |

## Insect Windows. Fibreglass and Midge Meshes only

| **Fibreglass Mesh - 65% open** | |
|---|---|
| Black 17x14x0.28mm 50m Roll | |
| Part No | Width |
| JPSFG/810/50 | 810mm |
| JPSFG/910/50 | 910mm |
| JPSFG/1220/50 | 1220mm |
| JPSFG/1830/50 | 1830mm |
| JPSFG/2130/50 | 2130mm |

| **Midge Mesh - 45% open** | |
|---|---|
| Black 20x20x0.3mm 30m Roll | |
| Part No | Width |
| JPSNU/1220/30 | 810mm |

## Insect Doors All Meshes incl Lookout

| **Petscreen Mesh - 36% open** | |
|---|---|
| Black 17x10x0.64mm 2.1m Roll | |
| Part No | Width |
| JPSPP/910/2.1 | 910mm |
| JPSPP/1220/2.1 | 1220mm |
| Black 17x10x0.64mm 30m Roll | |
| JPSPP/910/30 | 910mm |
| JPSPP/1220/30 | 1220mm |

| **Lookout Mesh Panels** | |
|---|---|
| Black/SCC 17x14x0.11mm | |
| Part No | Panel |
| J301A/2000 | 2m x 750mm |
| J301D/2200 | 2.2m x 12200mm |

## Powder Coating Installation Care

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

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

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

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

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

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

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

## Powder Coating Maintenance

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

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

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

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

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

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

**Contact Dulux Powder Coatings , ph 0064 9 441 8244**

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