ROCK® DOOR

Technical Manual

REVISION **8.2**

ROCKDOOR STYLES

- Aspen
- Astoria
- Arcacia
- Campus
- Carolina
- Classic
- Classic French Door
- Colonial
- Cottage spy view
- Cottage view light
- Dakota
- Diamond
- Dune Retreat
- Dune Vision
- English cottage
- Georgia
- Illinois
- Indiana
- Jacobean
- Kentucky
- Manhattan
- Montana
- Newark
- Portland
- Philadelphia
- Regency
- Stable diamond view
- Stable spy view
- Stable view light
- Tennessee
- Tongue and groove 5
- Vermont
- Virginia
- Vogue
- Vogue French
- Windsor

- Minimum Sash Size Overides
- Door and Frame Colour

CERTIFICATION

- Secured By Design
- PAS24
- Energy Ratings
- Replacement Parts

Construction

- Inner Frame Detail
- Stable Door Centre Seal
- Double/ French Door Centre Seal

Thresholds

- ALI Threshold Detail
- PVC Threshold Detail
- Cill Detail
- Tie Bar Detail

Frame

- Outer Frame Detail
- Add On / Frame Extension
- Side Frame Detail
- Coupling Bar Detail
- Side Frame / Coupling Bar Max Sizes
- Side Frame Min Sizes / Transoms
- Moulded Panels
- Clear Opening
- Internal Floor Level Clearance

Lever Handles

- Standard Lever Handle
- Escutcheon v Lever Handle Prep
- Stainless Steel Lever Handle
- Rose Handle Prep
- European Rose Handle
- Curved Rose Handle
- Twist Lever Handle
- Arched Lever Handle

Bar Handles

- In line Bar Handle Details
- Offset Bar Handle Details
- Mitred Bar Handle Details
- Square 1200/900 Bar Handle
- Round In Line 600/1200/900 Bar Handle
- Square Offset1200 Bar Handle
- Round Offset1200 Bar Handle
- Mitered 900 Bar Handle
- Back to Back Fixing Kit

Door Pulls

- Door Pull
- Round Knob

Letterplates

- Standard Letterplate
- Stainless Steel Letterplate
- TS008 Letterplate

Hinge

- Hinge

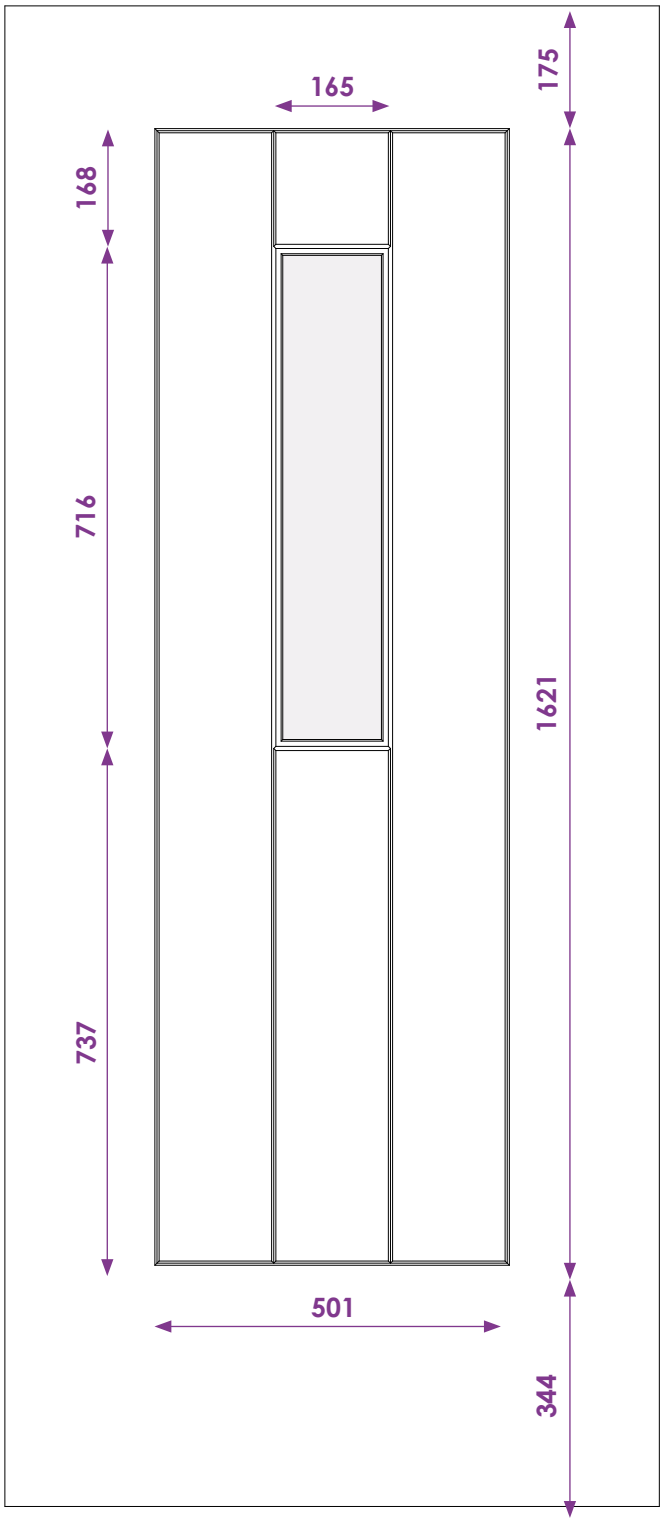
Furniture

- Bull Ring Knocker
- Cat Flap
- Restrictor Details
- Furniture Colour Options

Locks

- 2 Hook Lock
- 4 Hook Lock
- AV Options
- Electric Latch Release
- Switch Latch
- Instant Lock Heritage Plus
- Cylinder
- Emergency Exit Lock

New Forest Texture & 26mm Unit



Door Sash

Width

Max: 908mm
Min: 674mm

Height

Max: 2098mm
Min: 1789mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

PRESS GLAZING

UNIT THICKNESS:	26
UNIT SIZE:	177 x 729
APERTURE:	140x 690

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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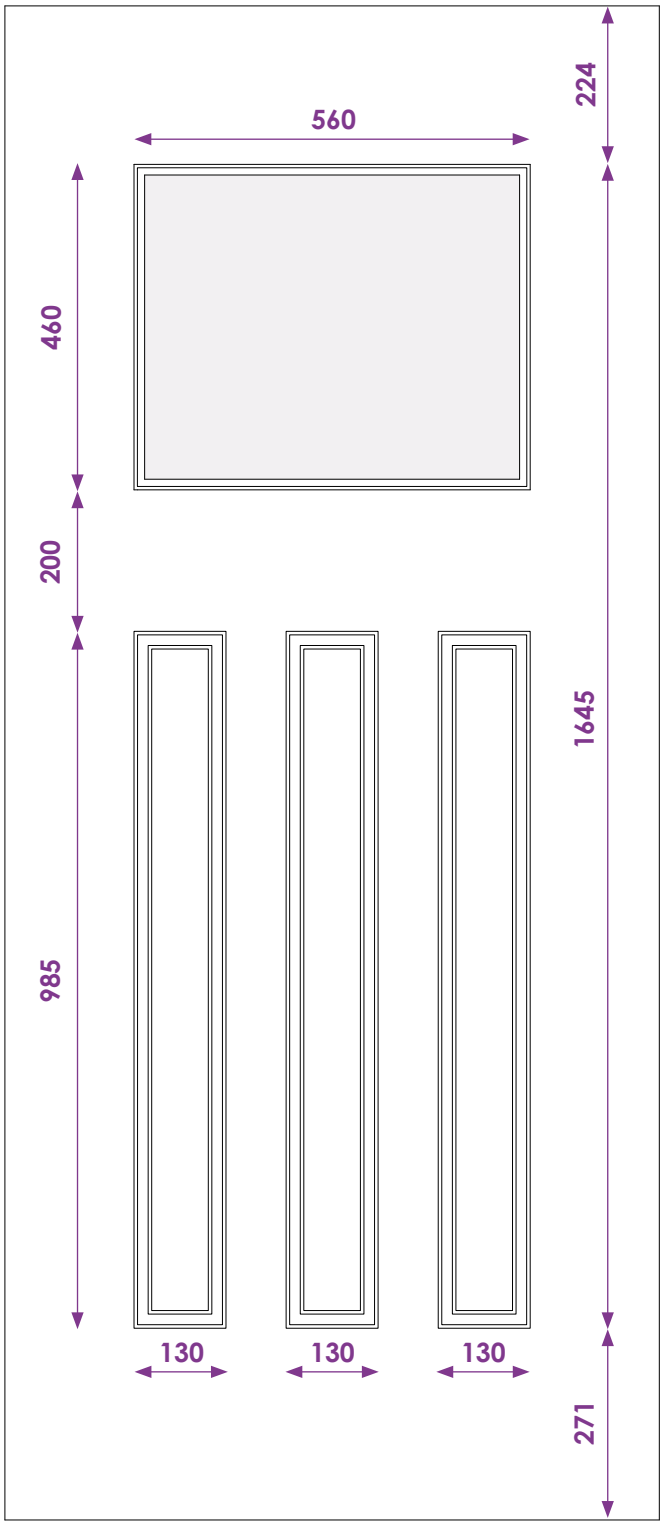
New Forest Texture & 26mm Unit



Door Sash

Width

Max: 908mm
Min: 729mm

Height

Max: 2098mm
Min: 1942mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

PRESS GLAZING

UNIT THICKNESS:	26
UNIT SIZE:	568 x 468
APERTURE:	530x 430

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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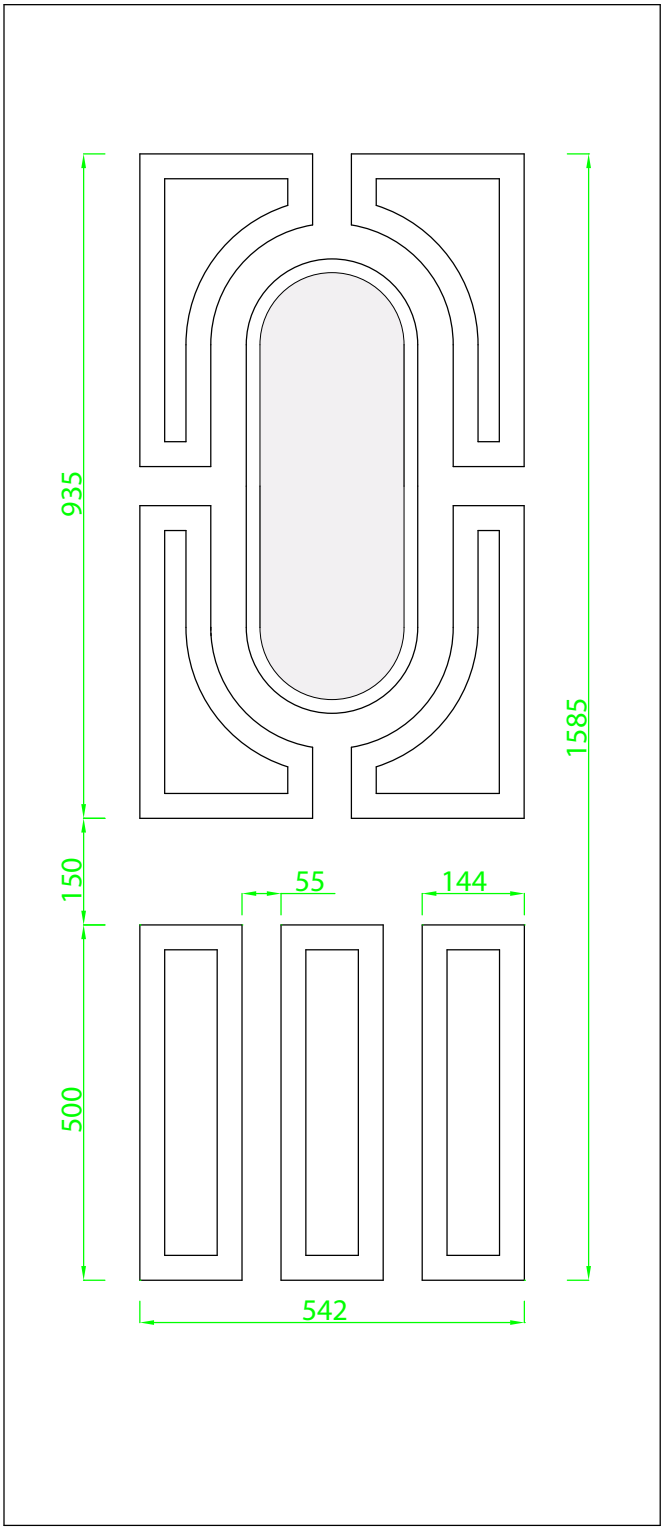


Door Sash

Width
Max: 908mm
Min: 710mm

Height
Max: 2098mm
Min: 1763mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

PRESS GLAZING
UNIT THICKNESS: 22
UNIT SIZE: 246 x 668
APERTURE: 208x 630

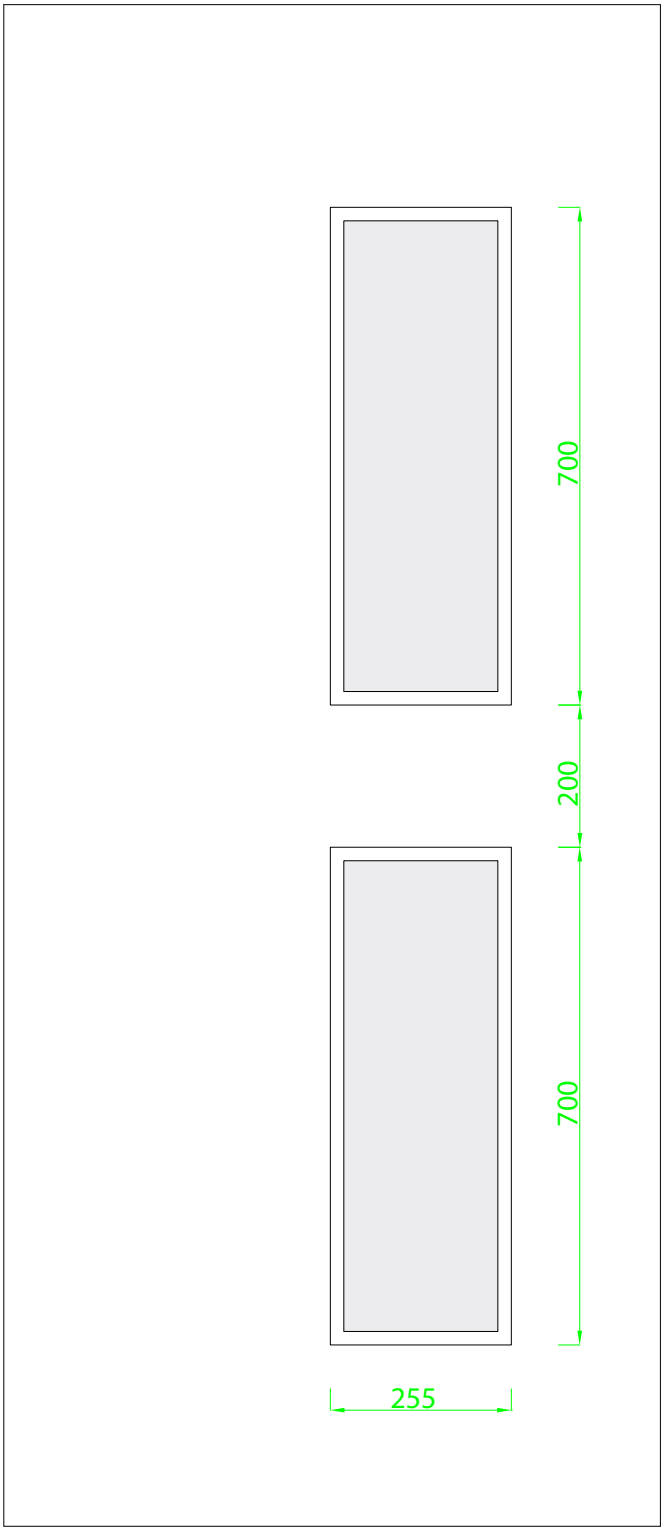
PRESS BEAD GLAZING
UNIT THICKNESS: 24
UNIT SIZE: 207 x 632
APERTURE: 182 x 604

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 713mm

Height
Max: 2098mm
Min: 1808mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 185 X 630
Aperture: 148 X 590

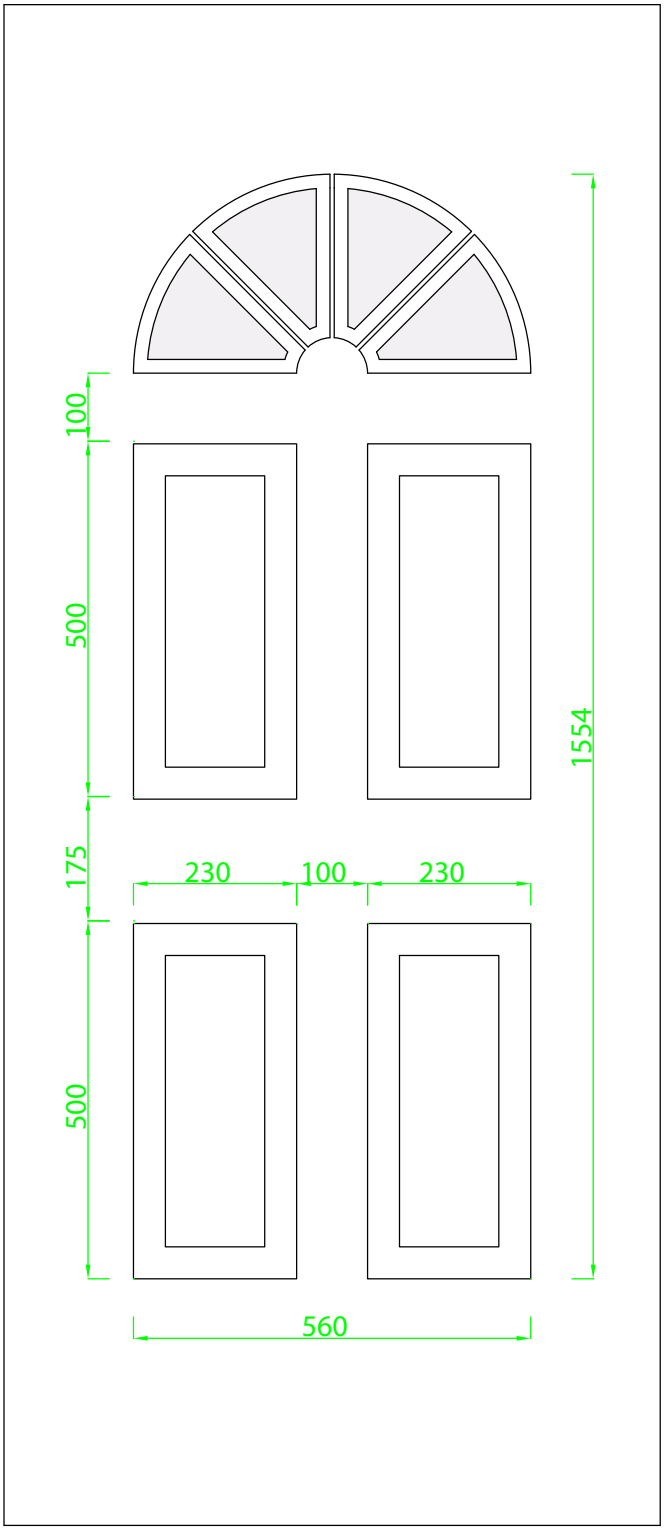
Press Bead Glazing
Unit Thickness: 24
Unit Size: 185 X 630
Aperture: 148 X 590

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 769mm

Height
Max: 2098mm
Min: 1758mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
Height
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 560 X 275
Aperture: N/A

Press Bead Glazing
Unit Thickness: 24
Unit Size: 490 X 225
Aperture: 452 X 192

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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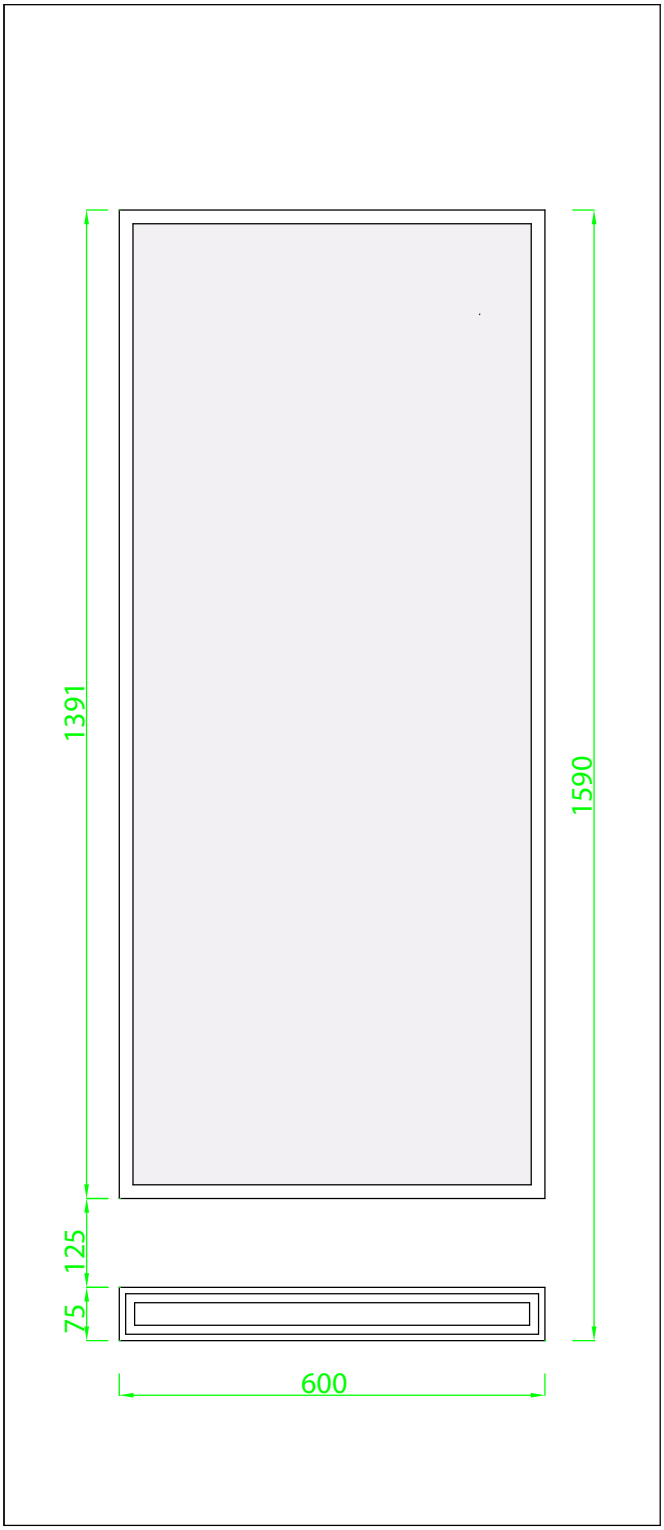

Door Sash

Width

Max: 908mm
Min: 808mm

Height

Max: 2098mm
Min: 1799mm Lock overide 1893mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 599 X 1390
Aperture: 565 X 1356

Press Bead Glazing
N/A

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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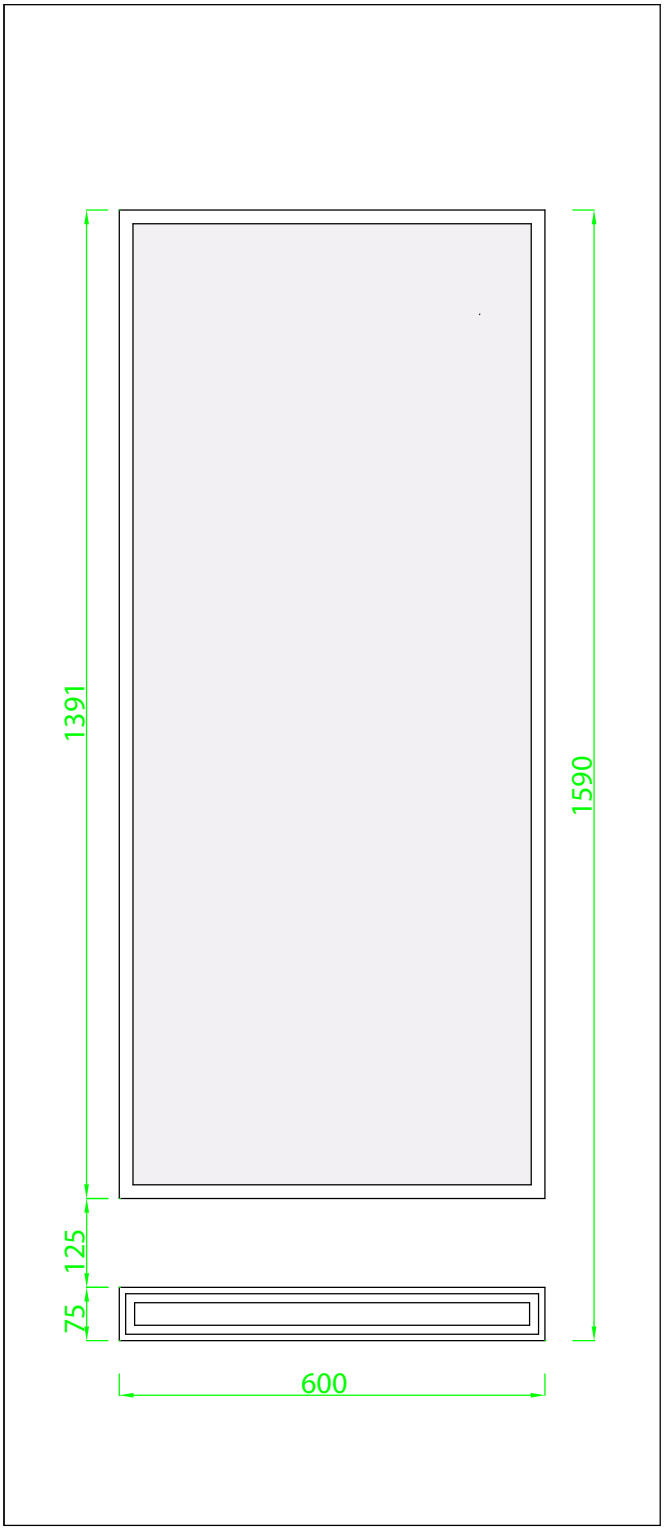
CLASSIC FRENCH DOOR



Door Sashs

Width

Max: 908+7+908 = 1823mm
Min: 808+7+808 = 1623mm

Height

Max: 2098mm
Min: 1799mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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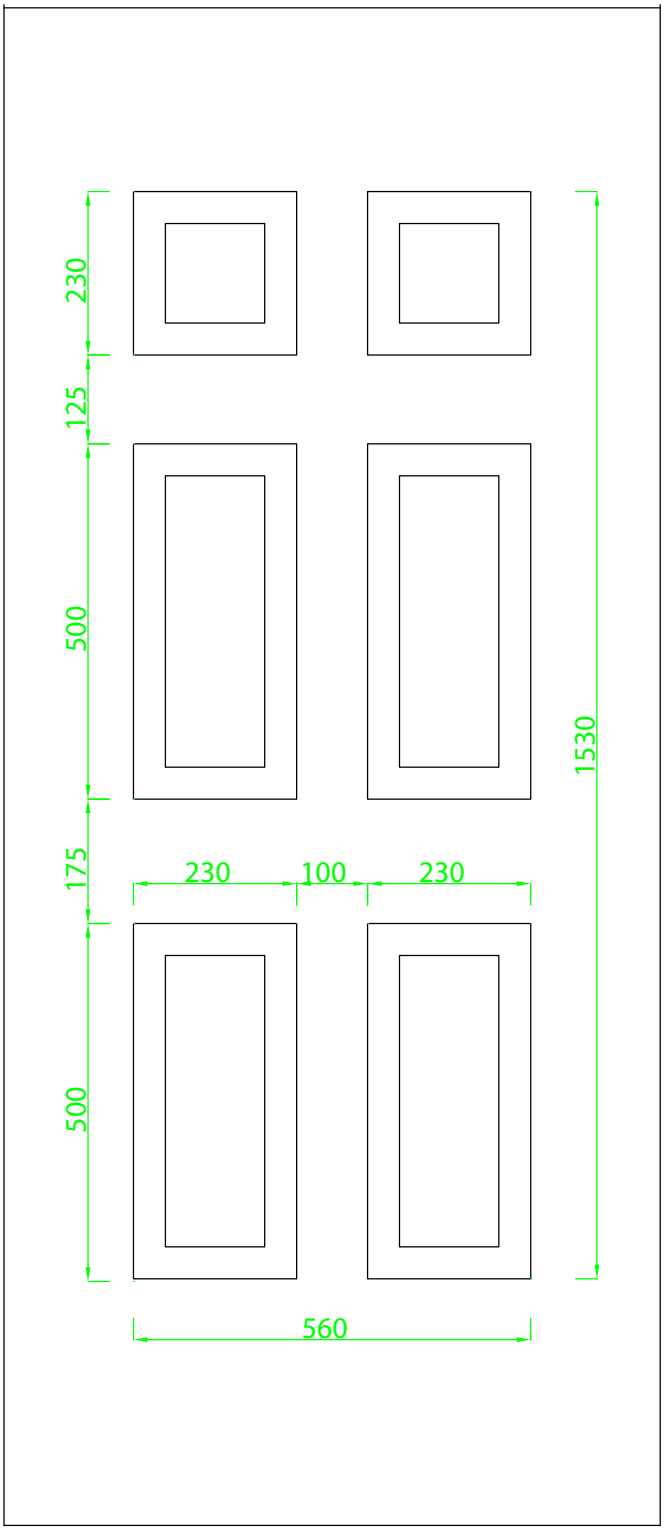

Door Sash

Width
Max: 908mm
Min: 729mm

Height
Max: 2098mm
Min: 1728mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
N/A

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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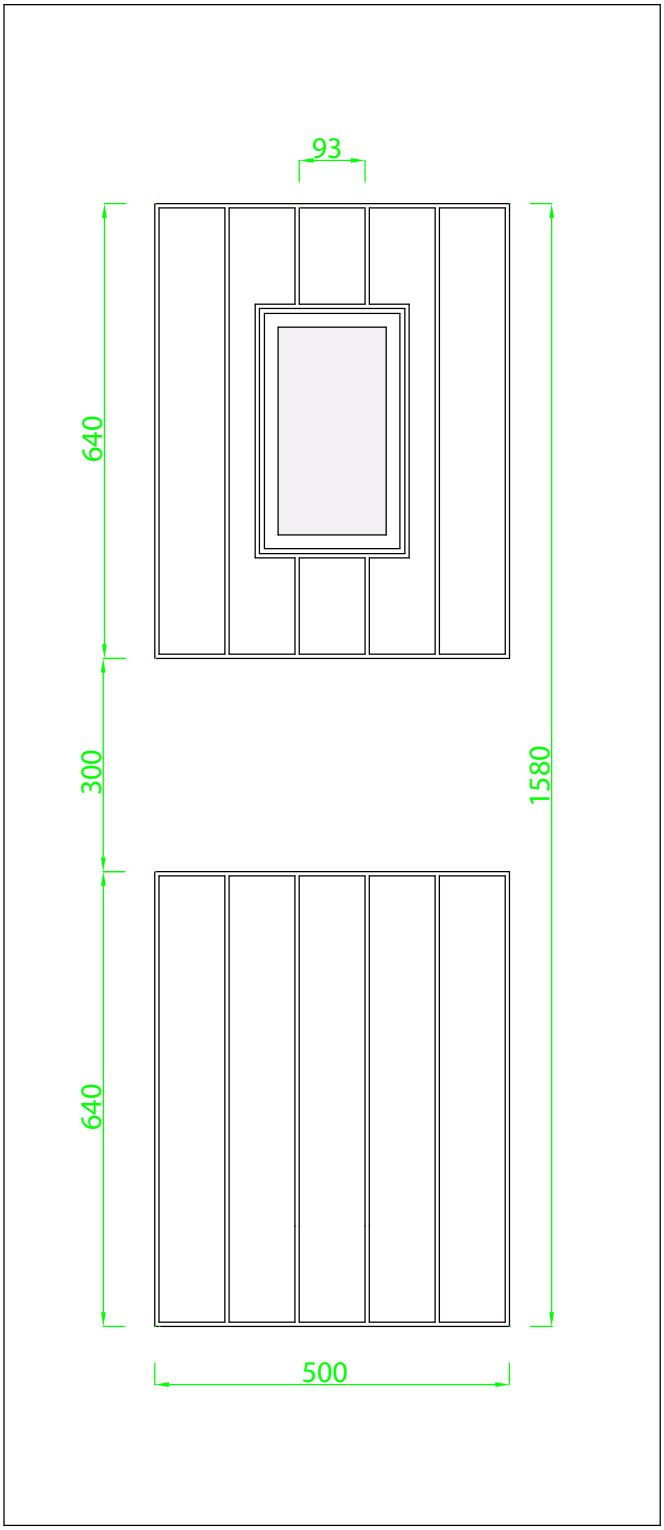

Door Sash

Width

Max: 908mm
Min: 673mm

Height

Max: 2098mm
Min: 1748mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
Height
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 150 X 300
Aperture: 109 X 252

Press Bead Glazing
Unit Thickness: 24
Unit Size: 114 X 255
Aperture: 85 X 226

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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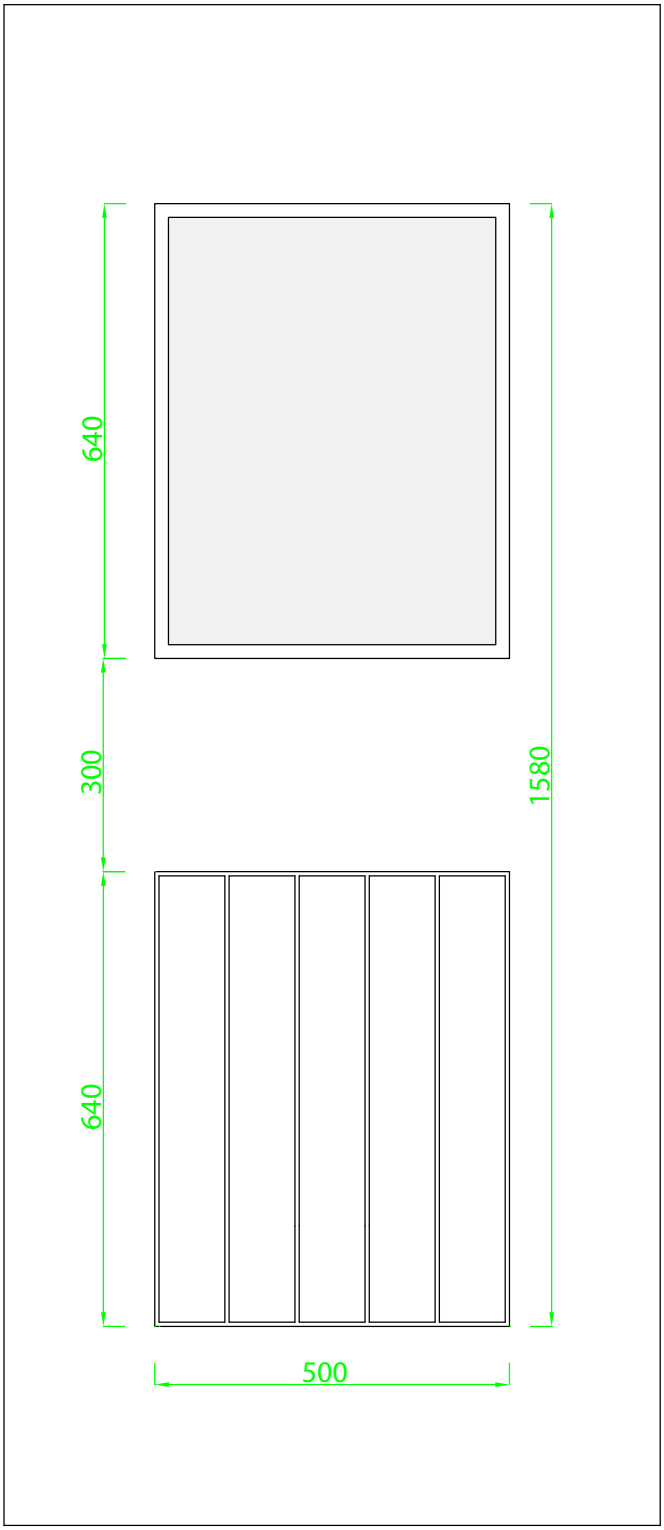
COTTAGE VIEW LIGHT



Door Sash

Width

Max: 908mm
Min: 708mm

Height

Max: 2098mm
Min: 1788mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 485 X 625
Aperture: 436 X 576

Press Bead Glazing
Unit Thickness: 24
Unit Size: 440 X 580
Aperture: 410 X 550

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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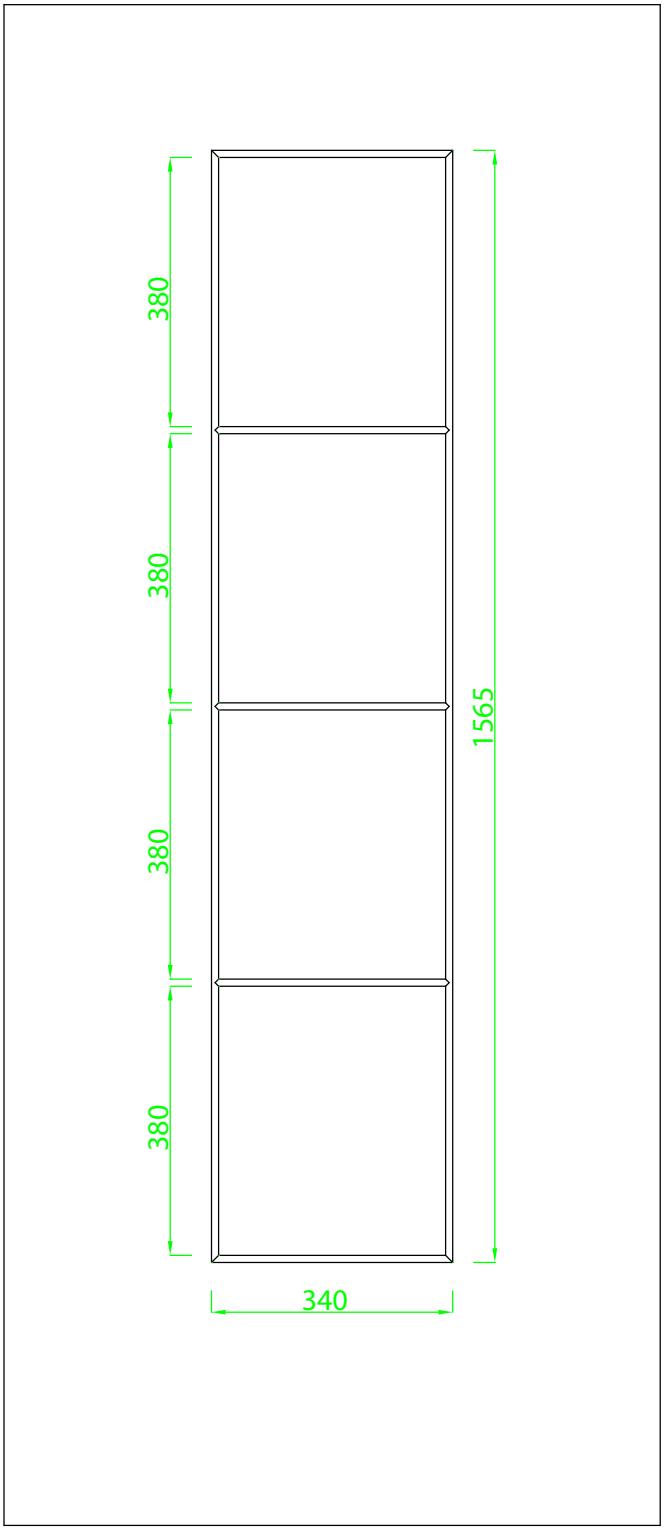
New Forest Texture



Door Sash

Width
Max: 908mm
Min: 679mm

Height
Max: 2098mm
Min: 1768mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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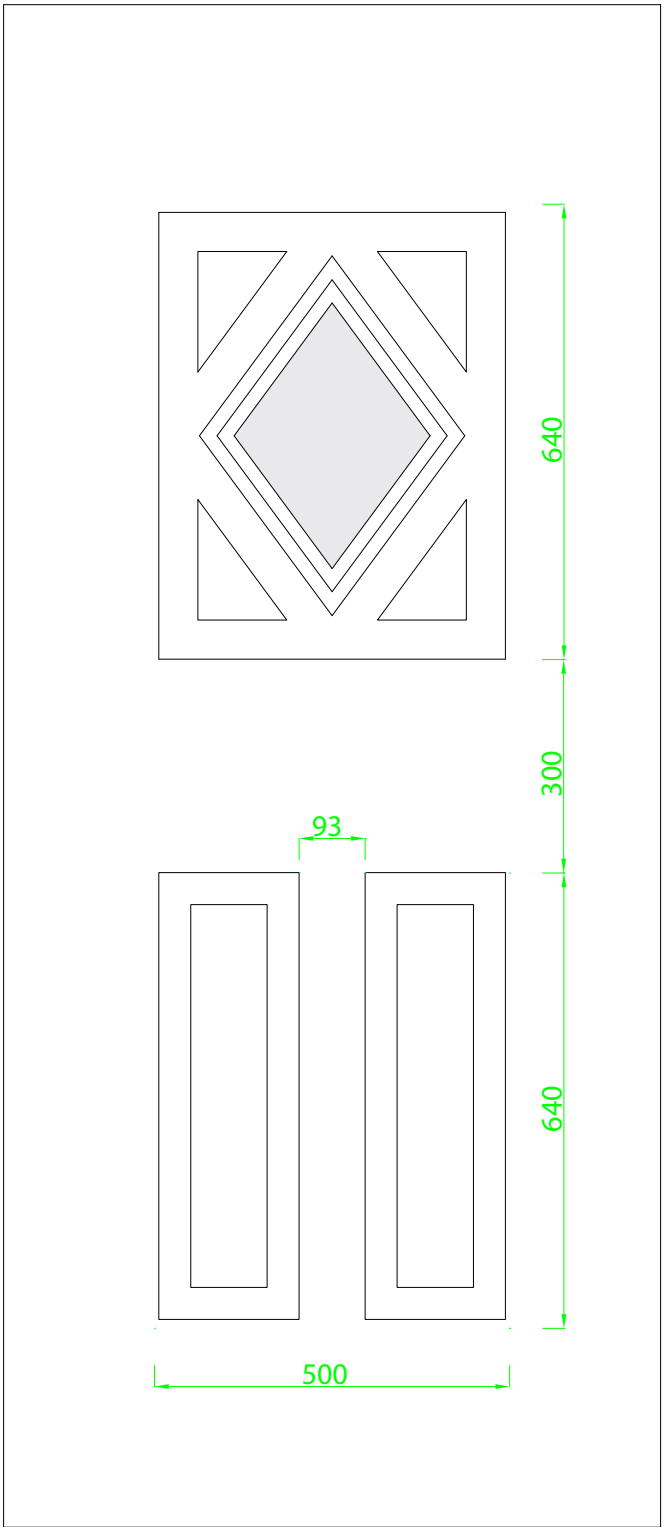

Door Sash

Width

Max: 908mm
Min: 696mm

Height

Max: 2098mm
Min: 1764mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 320 X 435
Aperture: 277 X 371

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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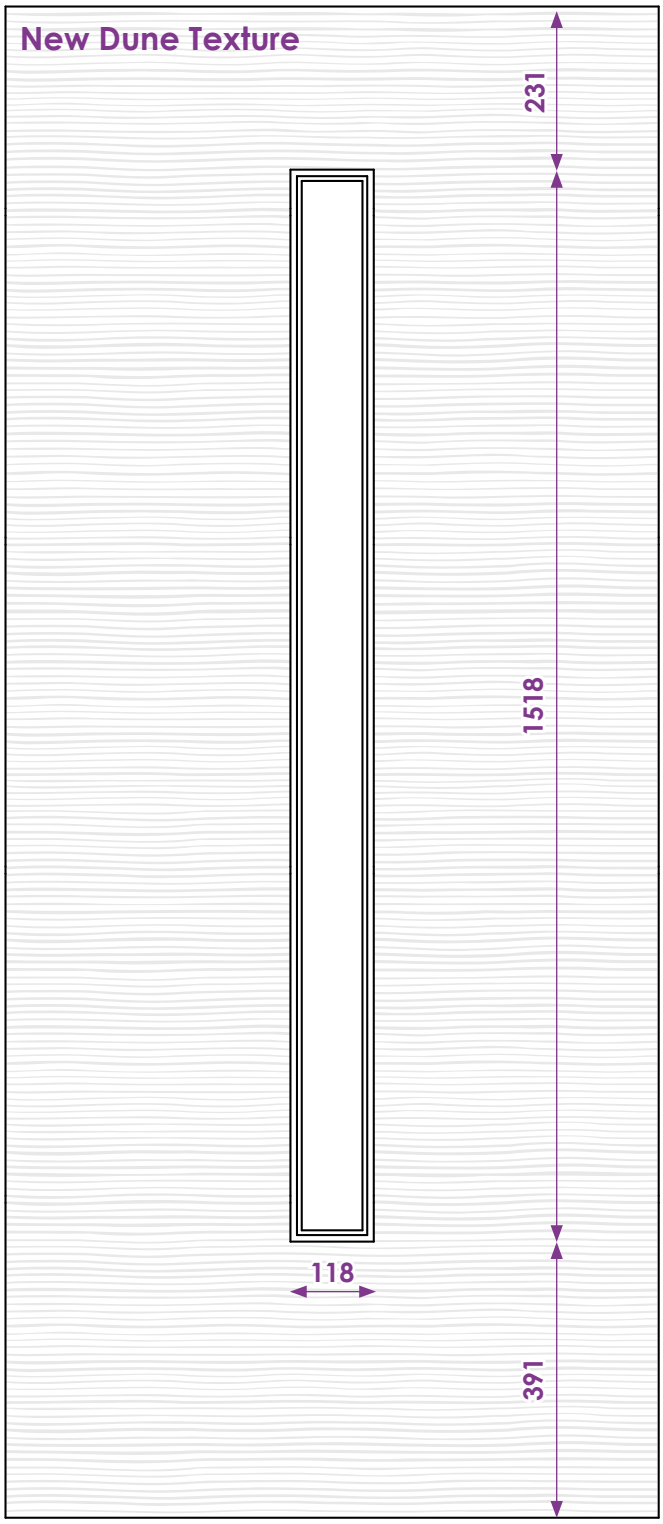

Door Sash

Width
Max: 908mm
Min: 679mm

Height
Max: 2098mm
Min: 1880mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 118 X 1518
Aperture: 80 X 1480

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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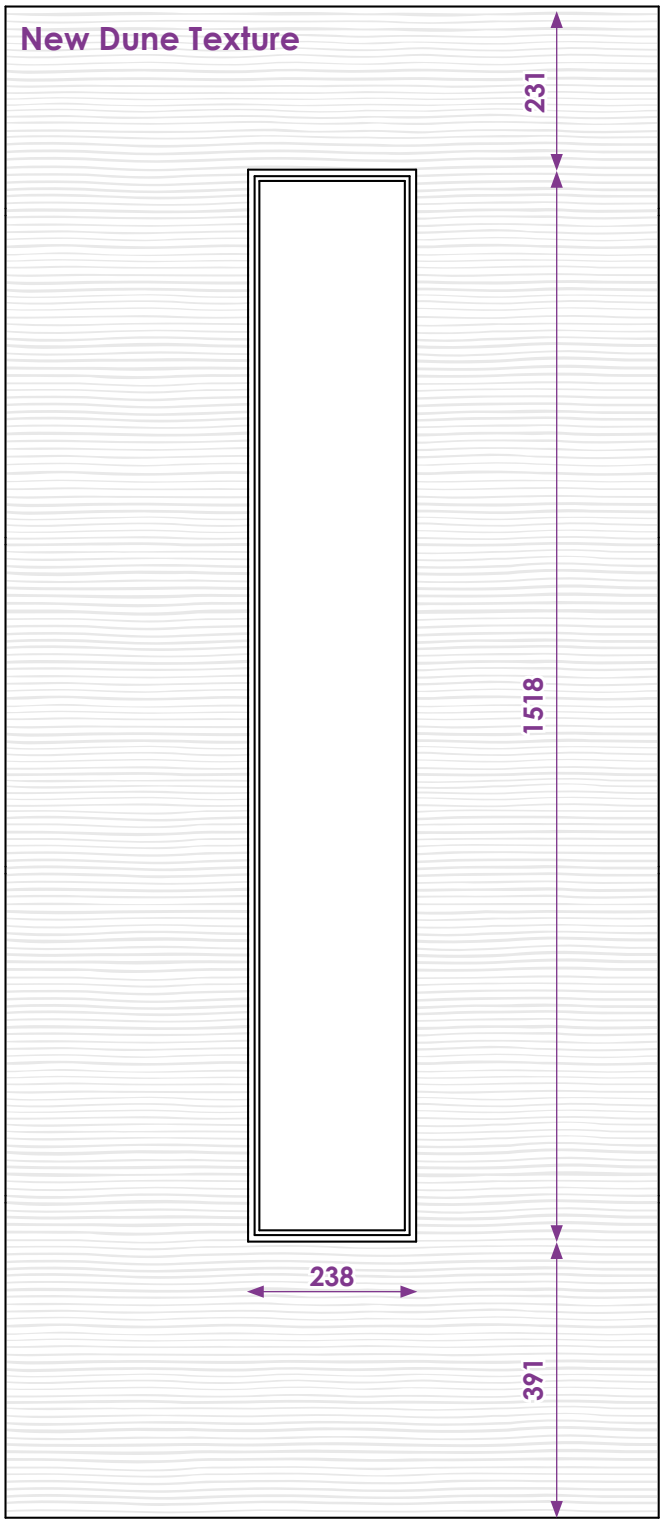

Door Sash

Width

Max: 908mm
Min: 679mm

Height

Max: 2098mm
Min: 1880mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 238 X 1518
Aperture: 200 X 1480

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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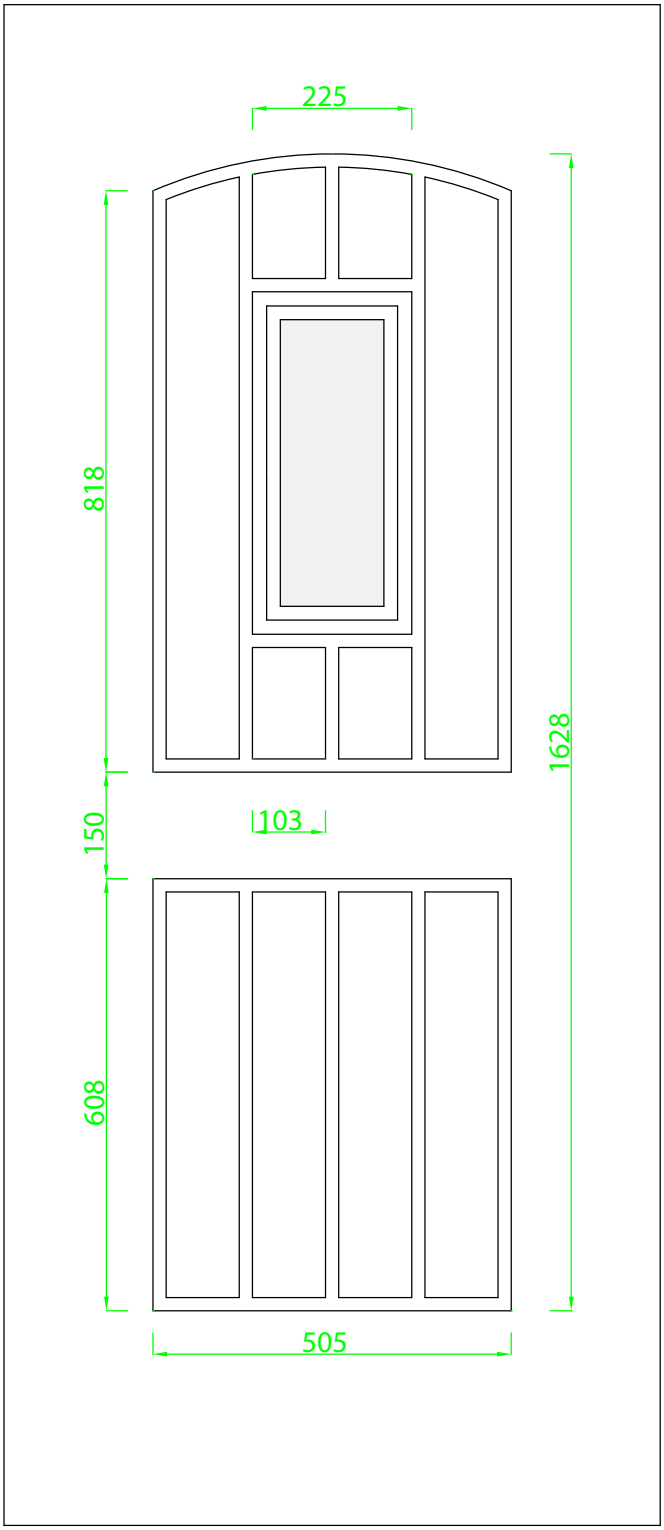

Door Sash

Width
Max: 908mm
Min: 679mm

Height
Max: 2098mm
Min: 1796mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 192 X 447
Aperture: 152 X 413

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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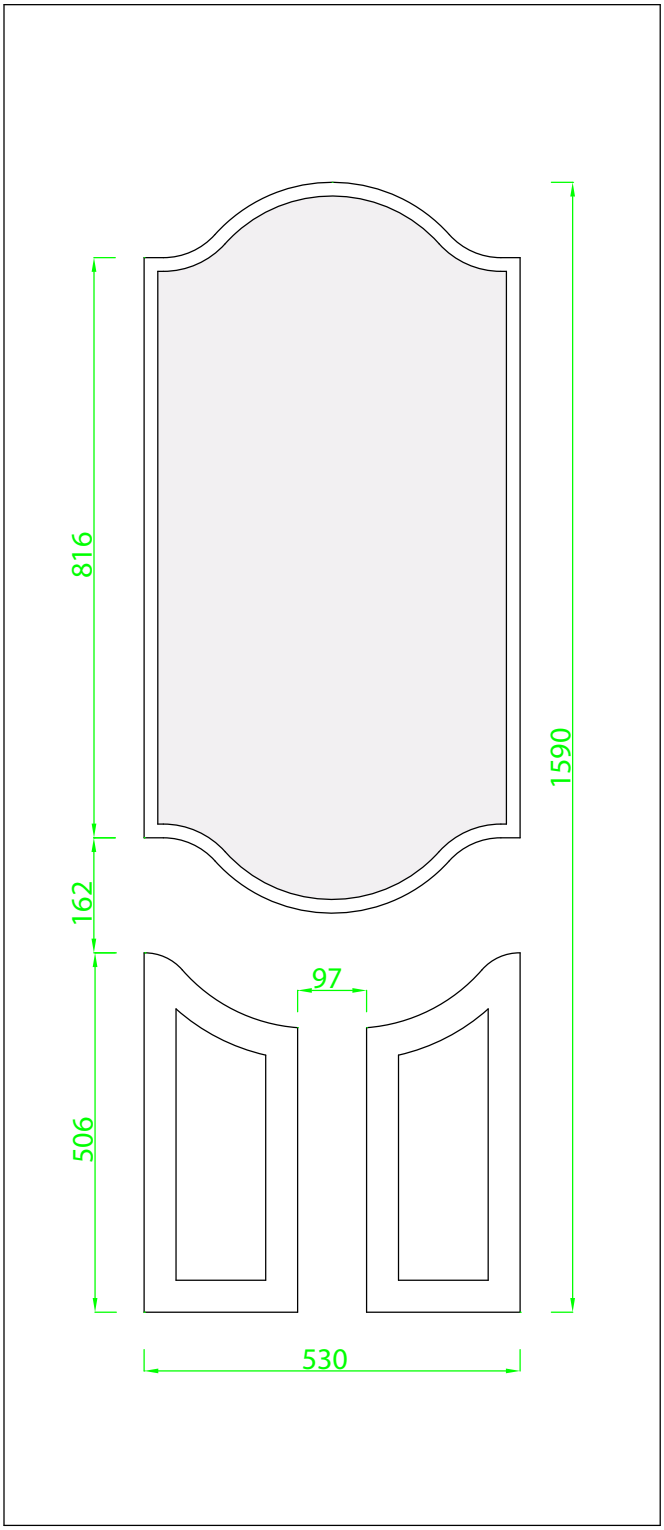


Door Sash

Width
Max: 908mm
Min: 724mm

Height
Max: 2098mm
Min: 1797mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 512 X 1008
Aperture: 462X (752 /961/752)

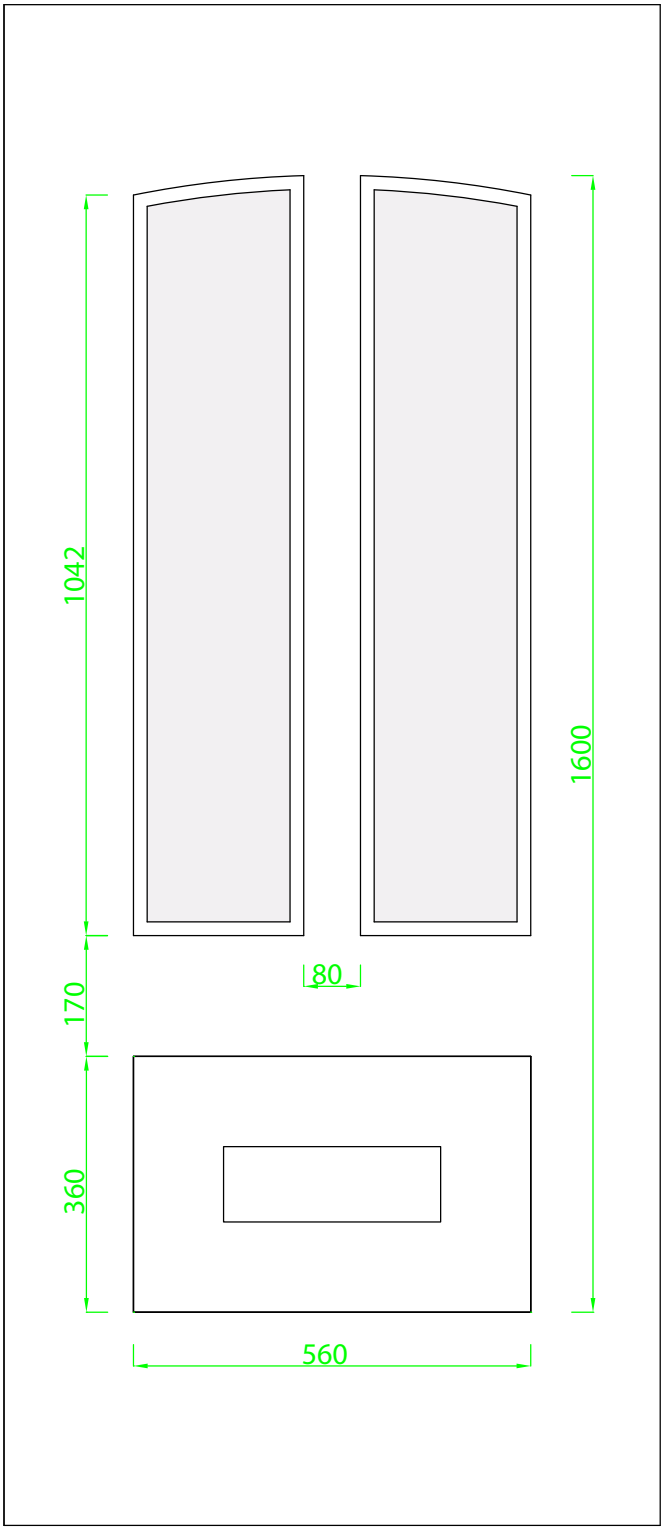
Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 768mm

Height
Max: 2098mm
Min: 1808mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 240 X 1067 (2 Off)
Aperture: 202 X 1030 (2 Off)

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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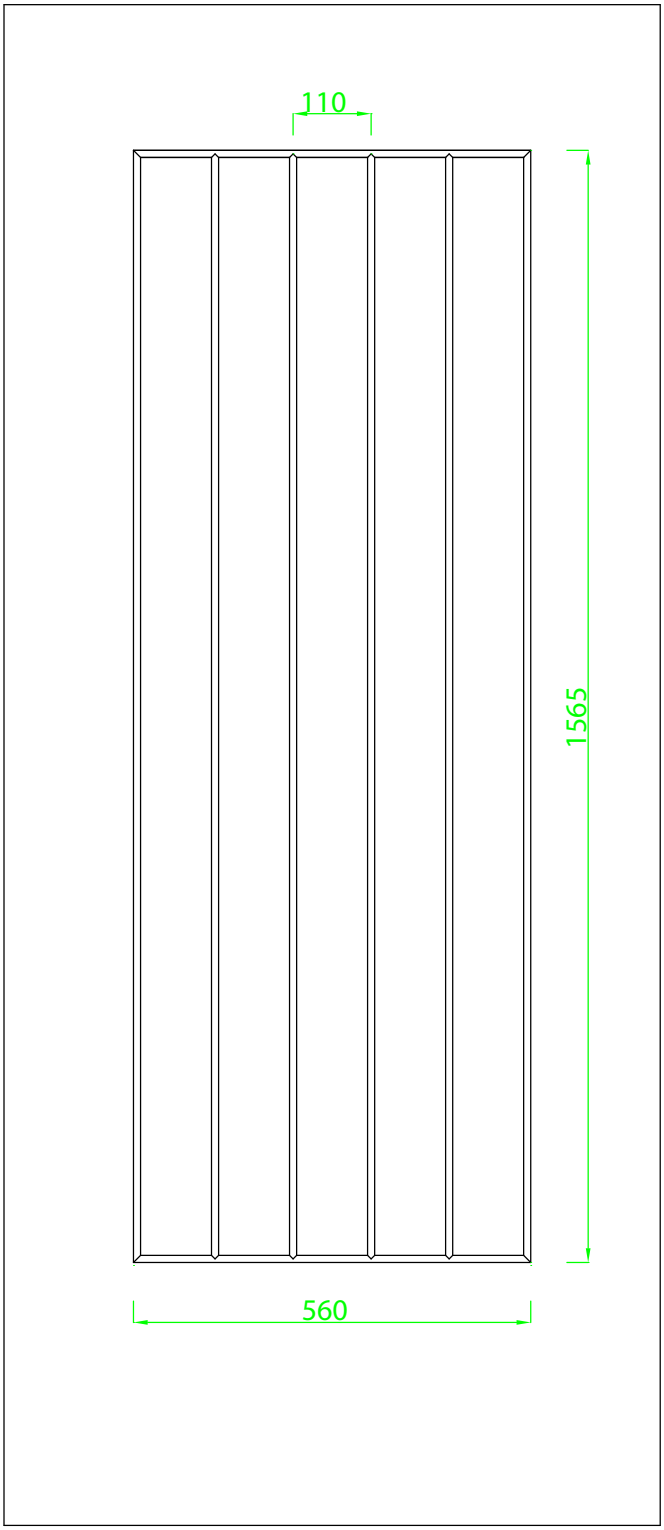

Door Sash

Width
Max: 908mm
Min: 768mm

Height
Max: 2098mm
Min: 1808mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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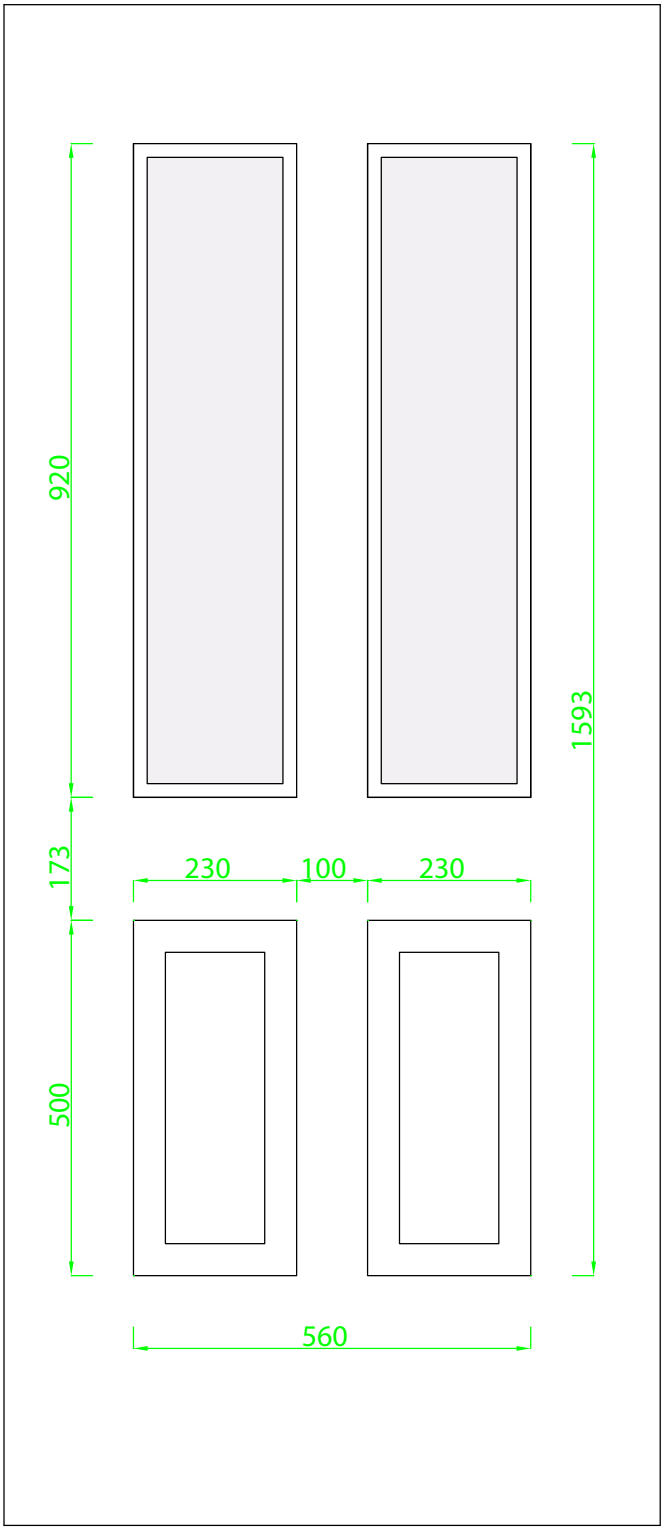


Door Sash

Width

Max: 908mm
Min: 753mm

Height

Max: 2098mm
Min: 1801mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 220 X 910
Aperture: 180 X 866

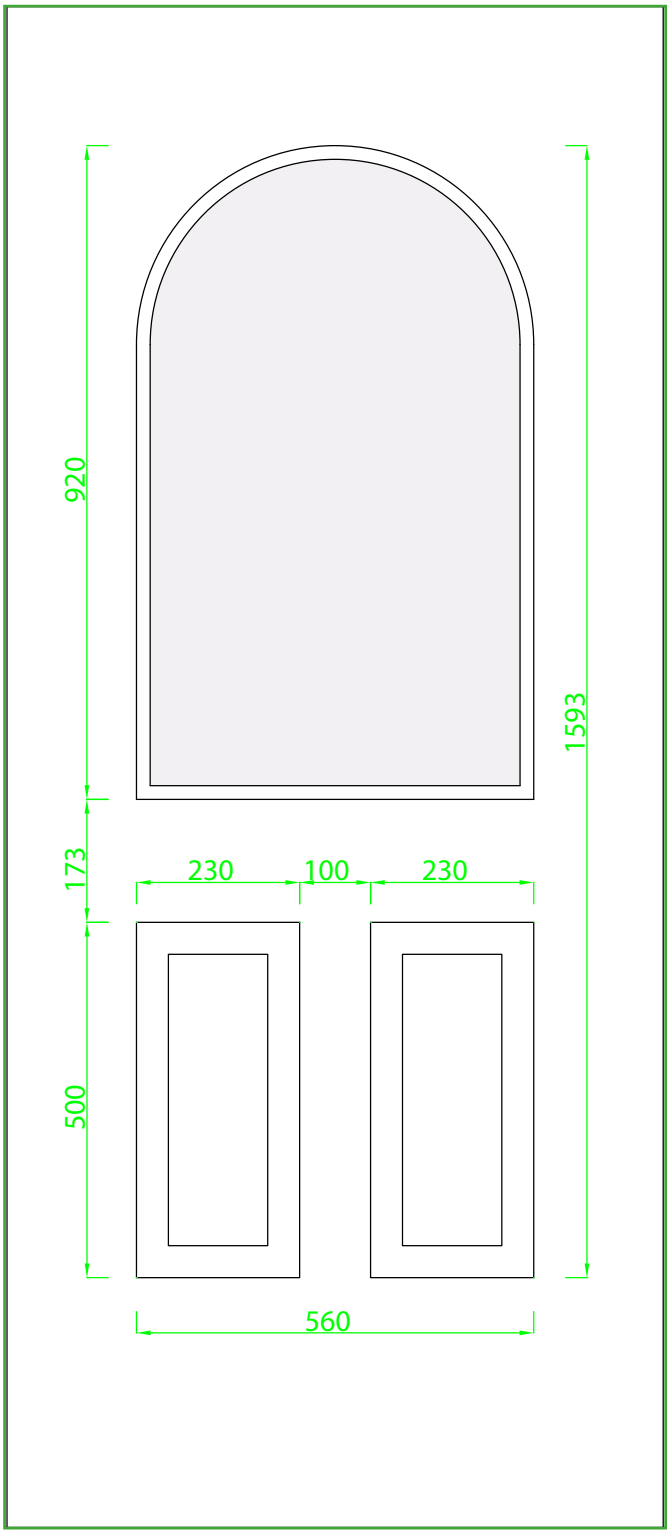
Press Bead Glazing
Unit Thickness: 24
Unit Size: 188 X 875
Aperture: 155 X 842

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 768mm

Height
Max: 2098mm
Min: 1801mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 560 X 912
Aperture: 508 X 867

Press Bead Glazing
Unit Thickness: 24
Unit Size: 516 X 875
Aperture: 482 X 840

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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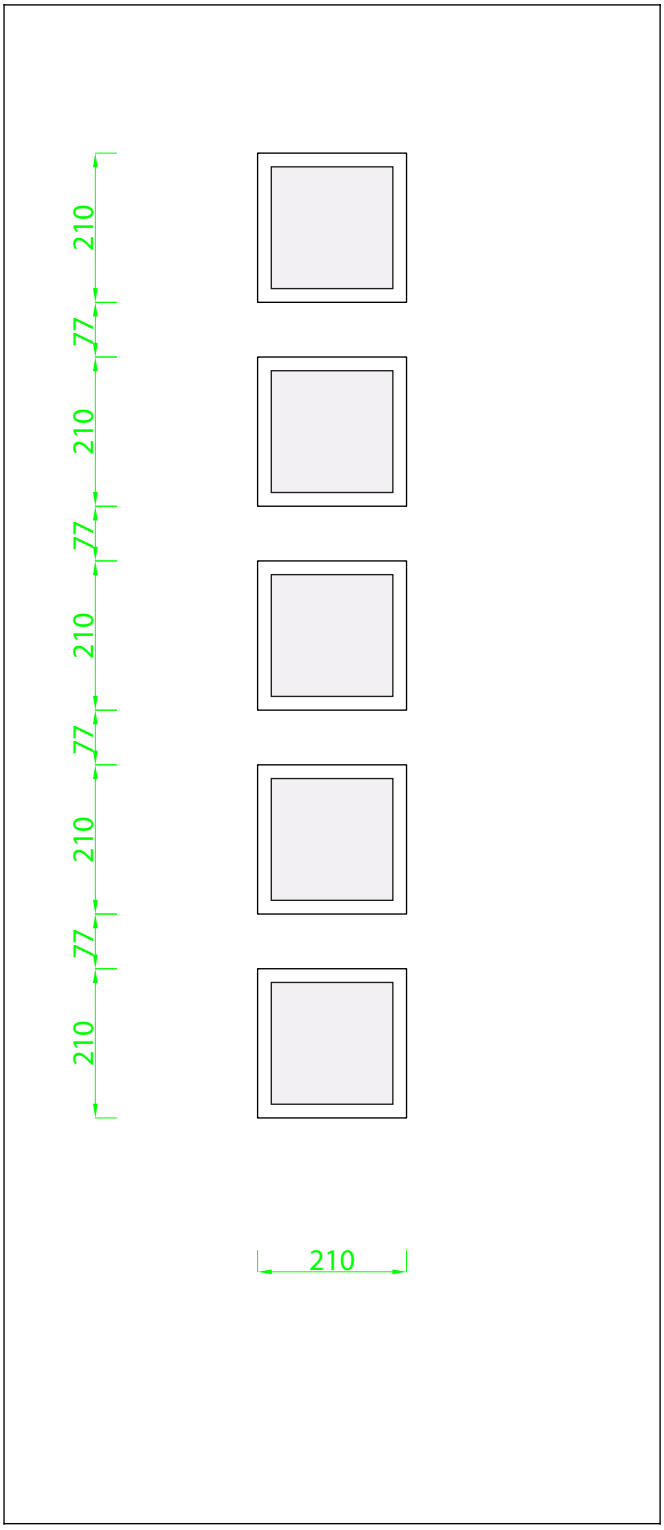


Door Sash

Width

Max: 908mm
Min: 679mm

Height

Max: 2098mm
Min: 1800mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

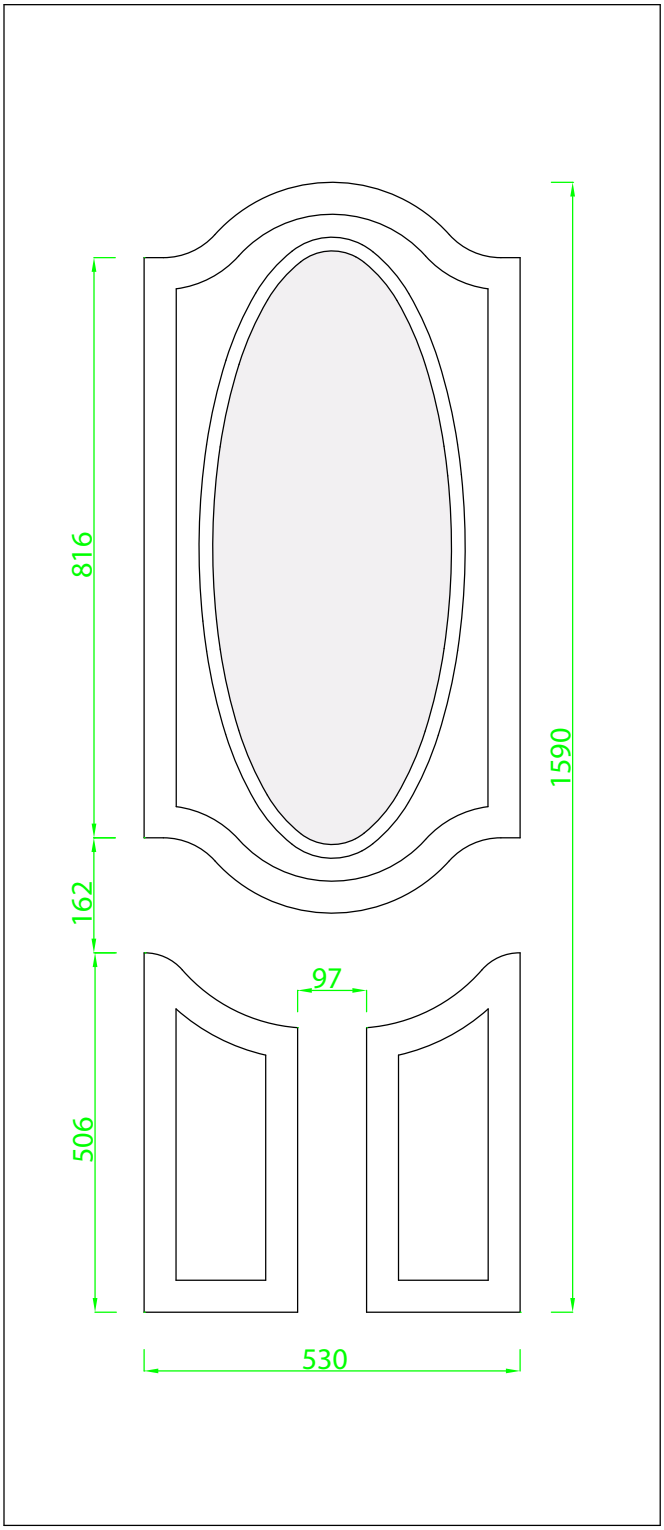
Press Glazing
Unit Thickness: 22
Unit Size: 212 X 212
Aperture: 172 X 172

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 684mm

Height
Max: 2098mm
Min: 1797mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 365 X 862
Aperture: 320 X 819

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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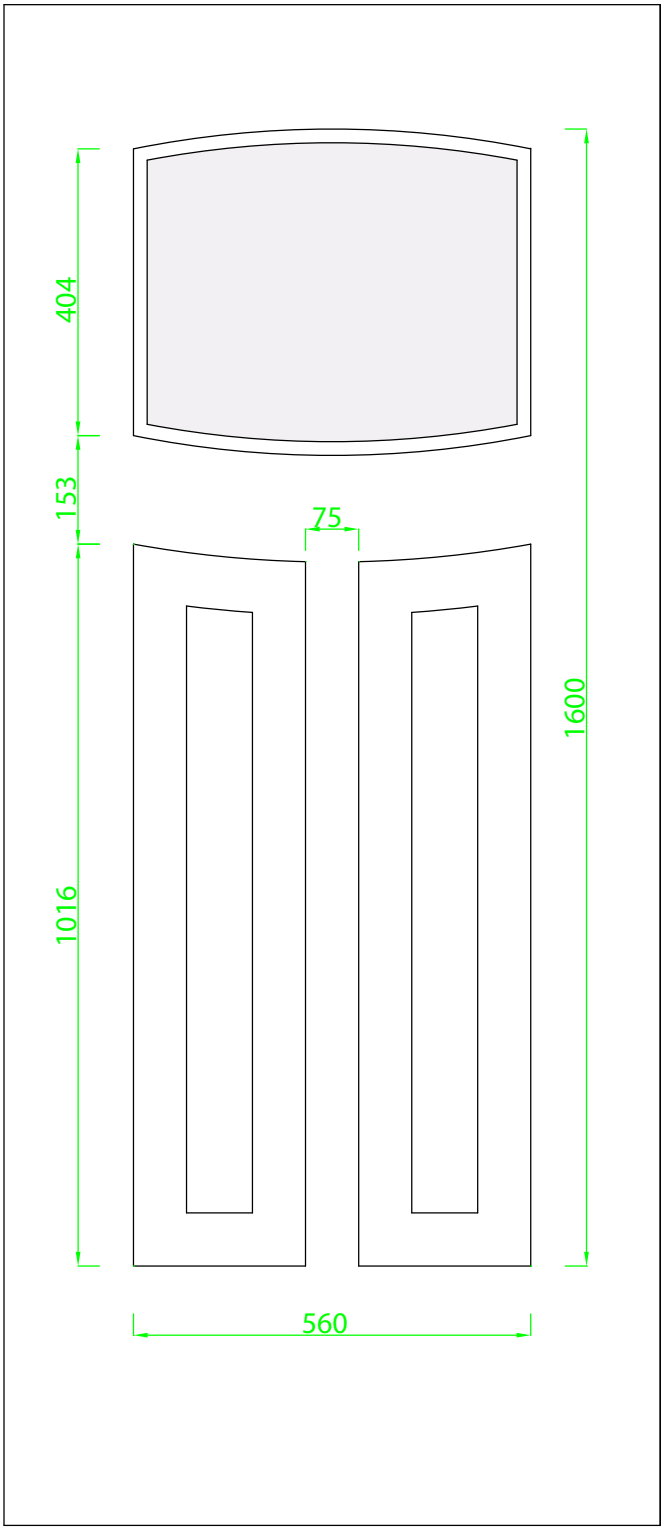


Door Sash

Width
Max: 908mm
Min: 769mm

Height
Max: 2098mm
Min: 1809mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 547 X 447
Aperture: 512 X 409

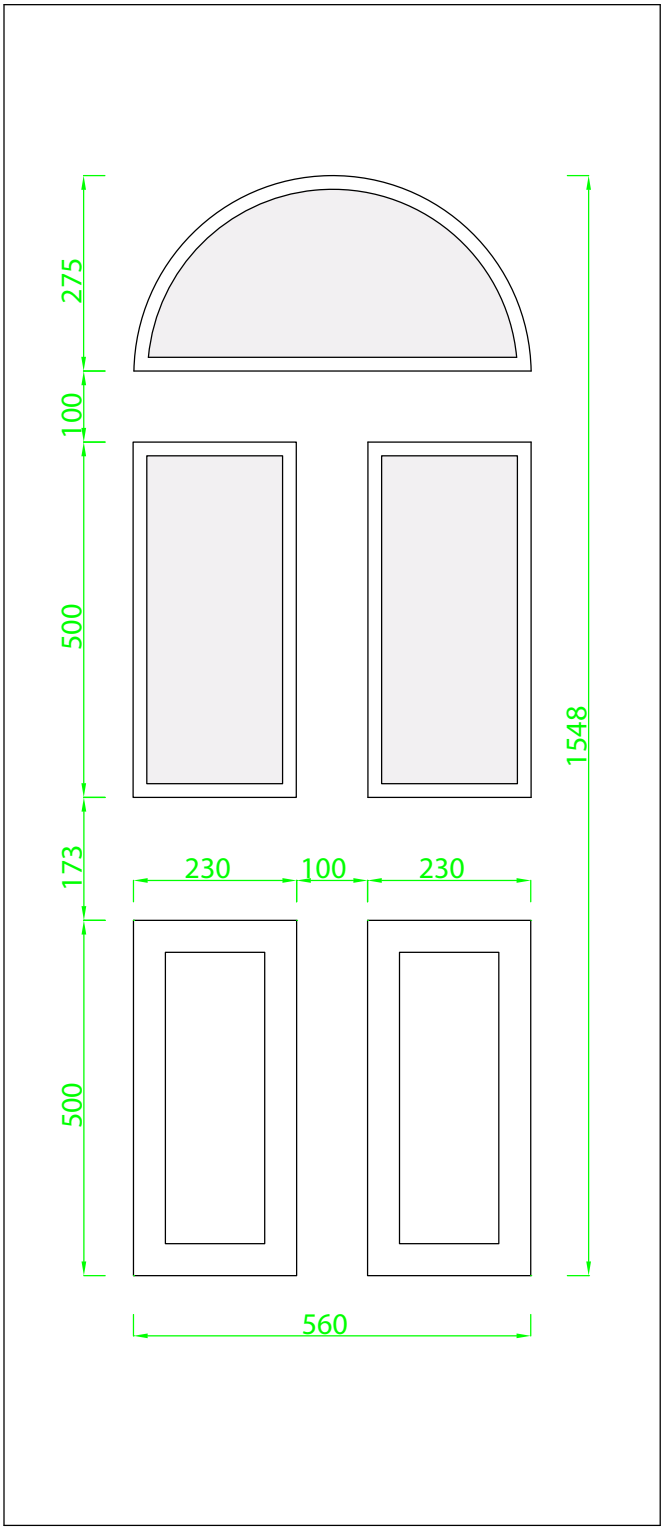
Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash

Width
Max: 908mm
Min: 748mm

Height
Max: 2098mm
Min: 1748mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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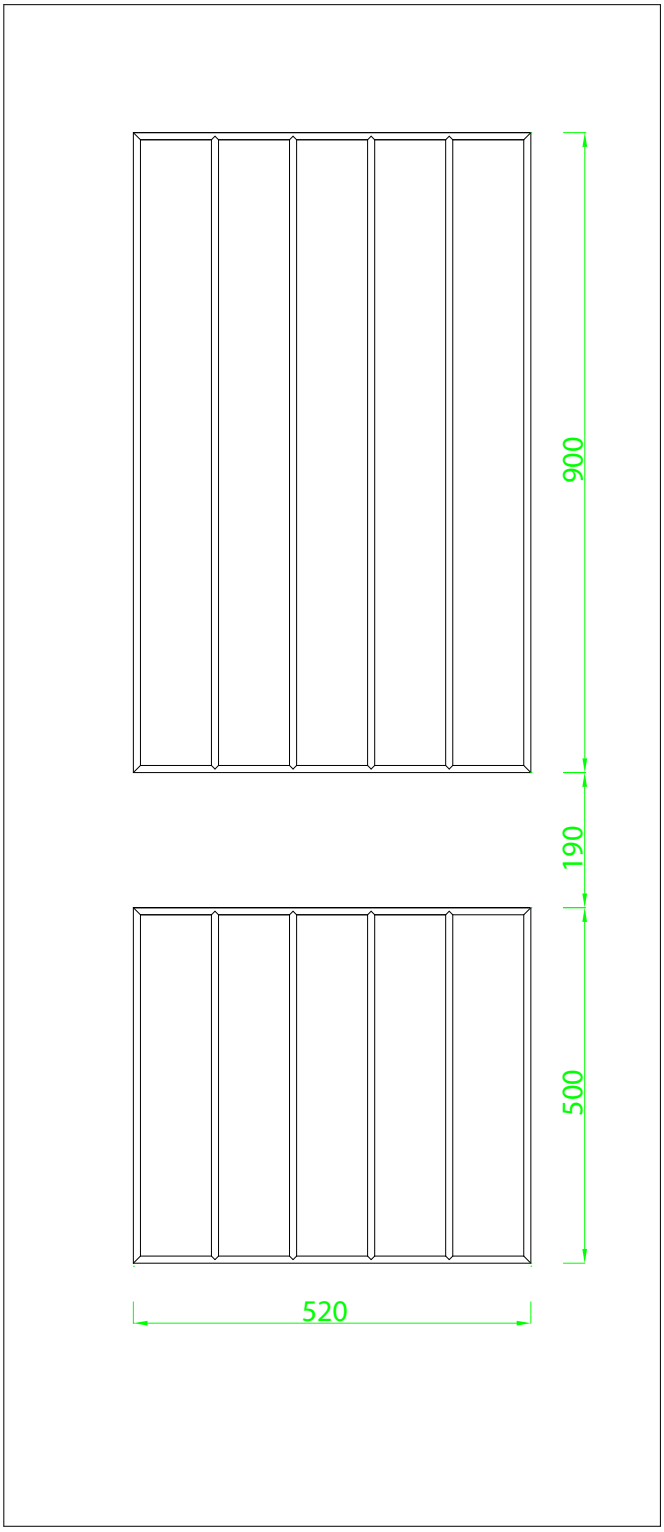
TONGUE AND GROOVE 5



Door Sash

Width

Max: 904mm
Min: 688mm

Height

Max: 2098mm
Min: 1768mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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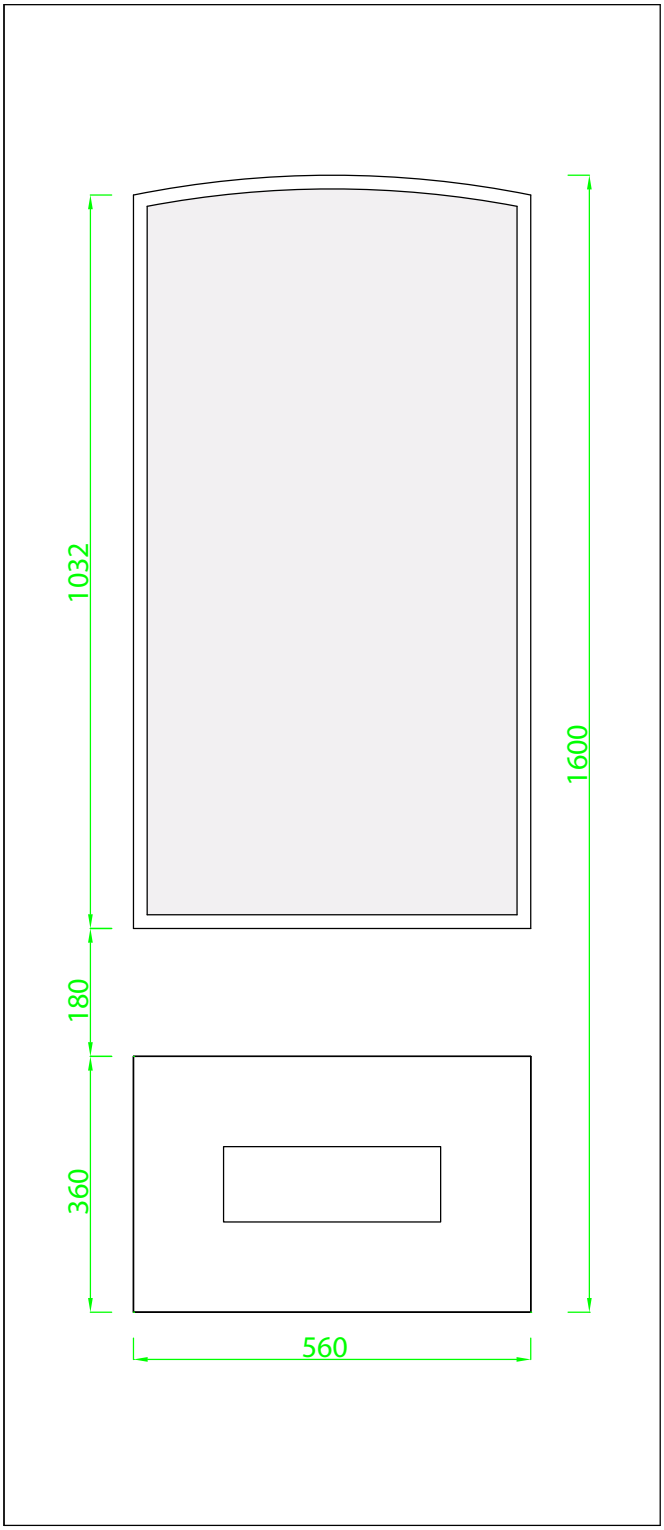

Door Sash

Width
Max: 908mm
Min: 768mm

Height
Max: 2098mm
Min: 1808mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 547 X 1047
Aperture: 512 X 1011

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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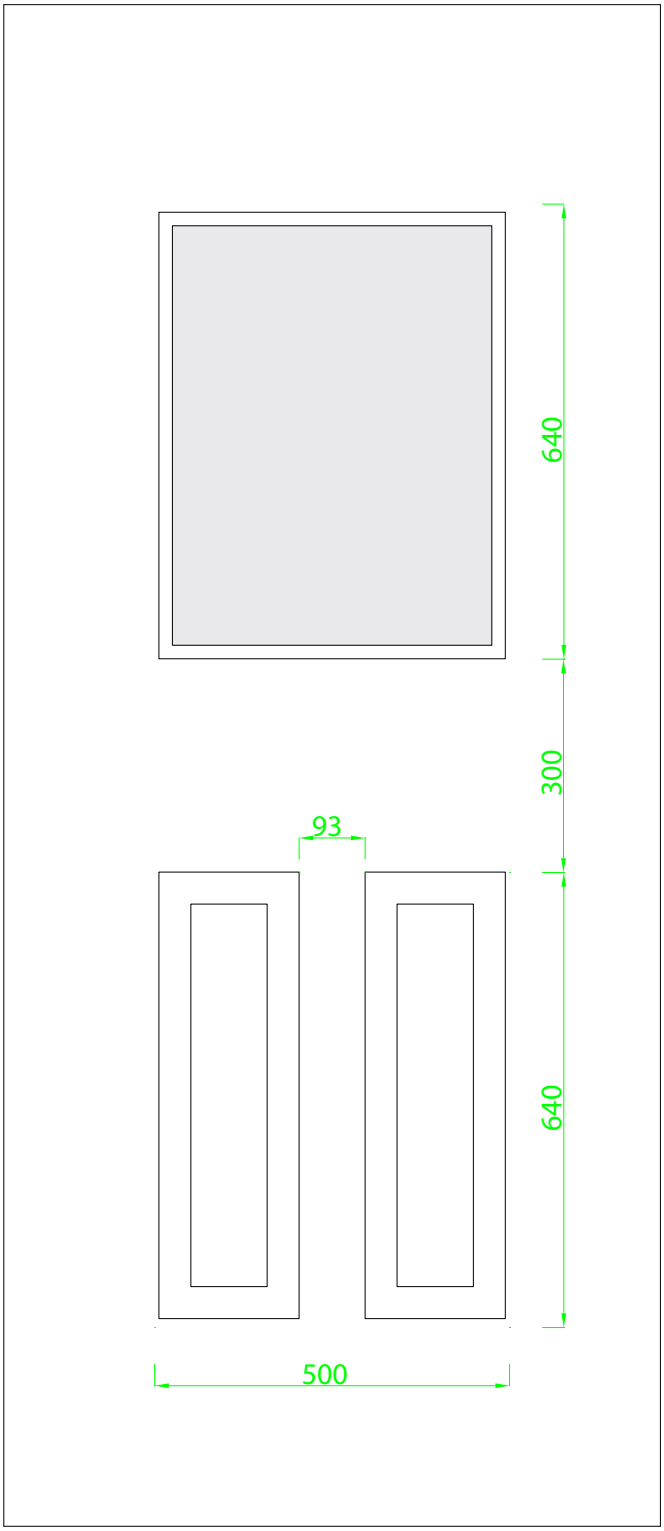

Door Sash

Width
Max: 908mm
Min: 696mm

Height
Max: 2098mm
Min: 1764mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
N/A

Press Bead Glazing
Unit Thickness: 24
Unit Size: 440 X 580
Aperture: 410 X 550

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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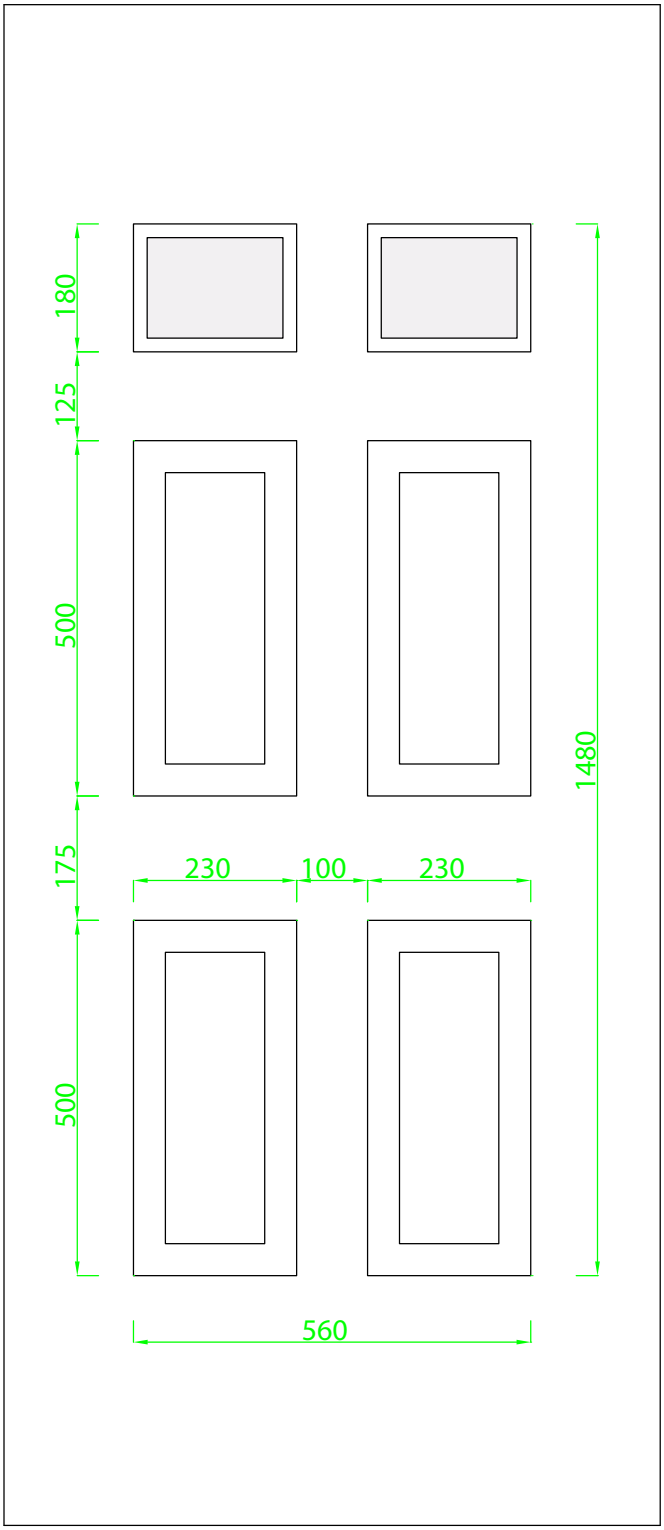


Door Sash

Width

Max: 908mm
Min: 769mm

Height

Max: 2098mm
Min: 1728mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 230 X 175
Aperture: 187 X 140

Press Bead Glazing
N/A

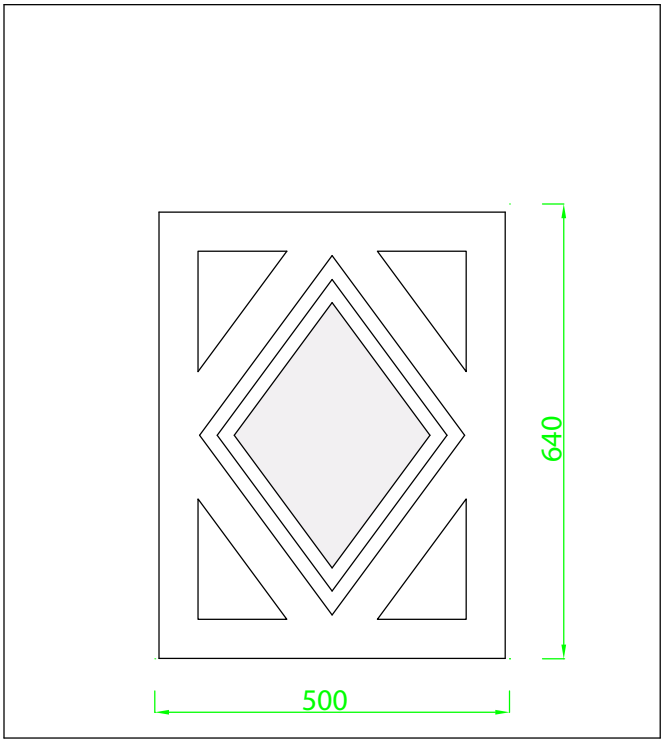
Lock options and double doors and French doors can overide the minimum sash heights stated above:

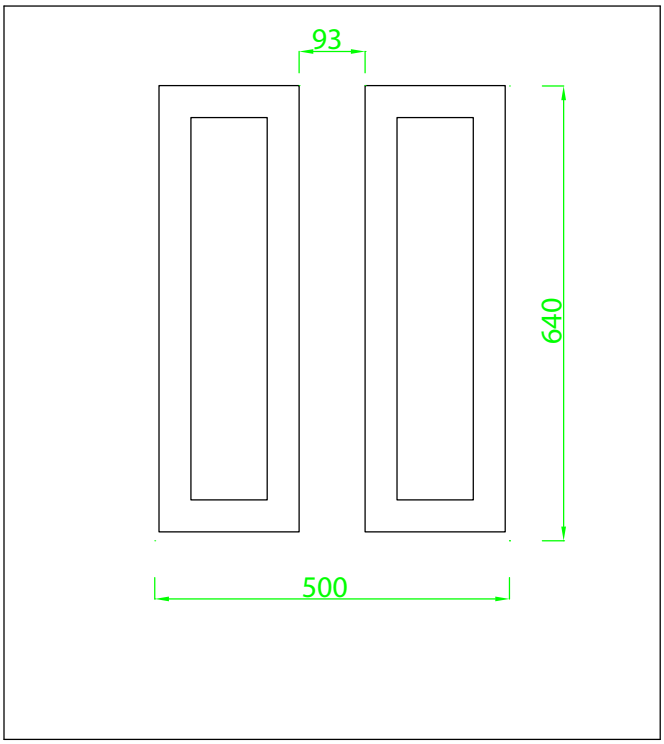
Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

STABLE DIAMOND VIEW





Door Sash

Width

Max: 908mm
Min: 696mm

Height

Max: 2018mm
Min: 1708mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame

N/A

Press Glazing
Unit Thickness: 22
Unit Size: 320 X 435
Aperture: 277 X 371

Press Bead Glazing
N/A

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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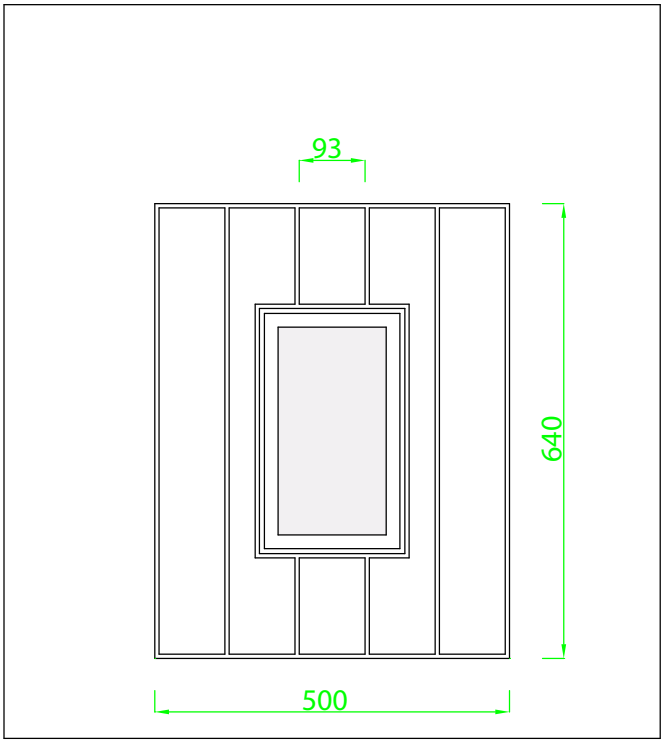

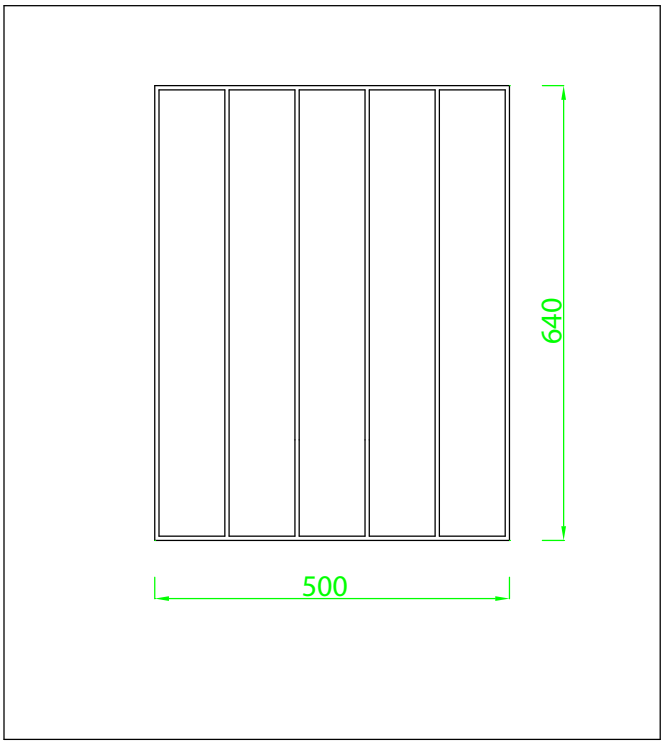

Door Sash

Width

Max: 908mm
Min: 673mm

Height

Max: 2018mm
Min: 1668mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
N/A

Press Glazing
Unit Thickness: 22
Unit Size: 150 X 300
Aperture: 109 X 252

Press Bead Glazing
N/A

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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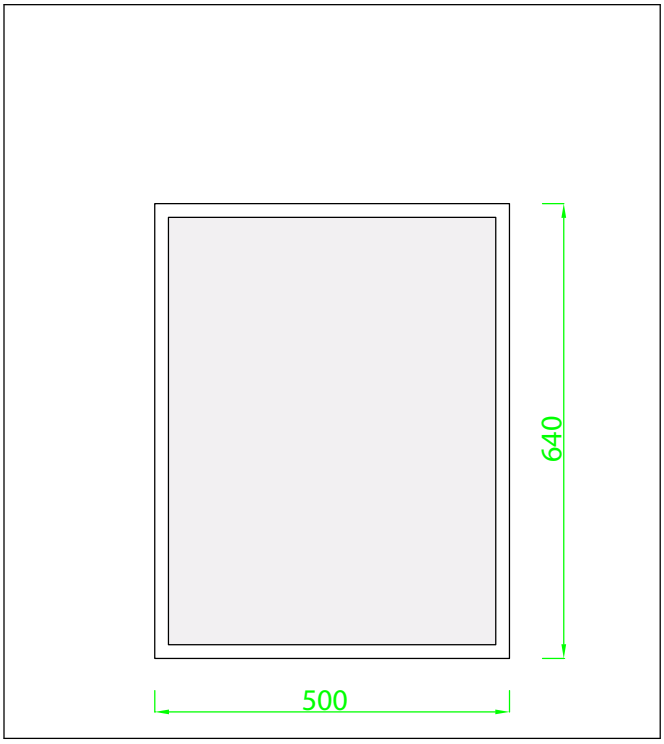
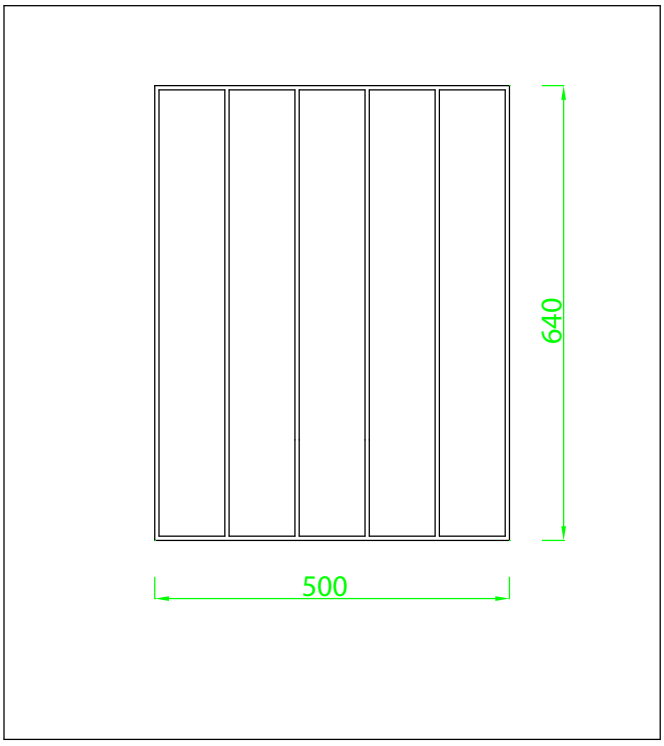
STABLE VIEW LIGHT





Door Sash

Width

Max: 908mm
Min: 708mm

Height

Max: 2018mm
Min: 1708mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame

N/A

Press Glazing
Unit Thickness: 22
Unit Size: 485 X 625
Aperture: 436 X 576

Press Bead Glazing

N/A

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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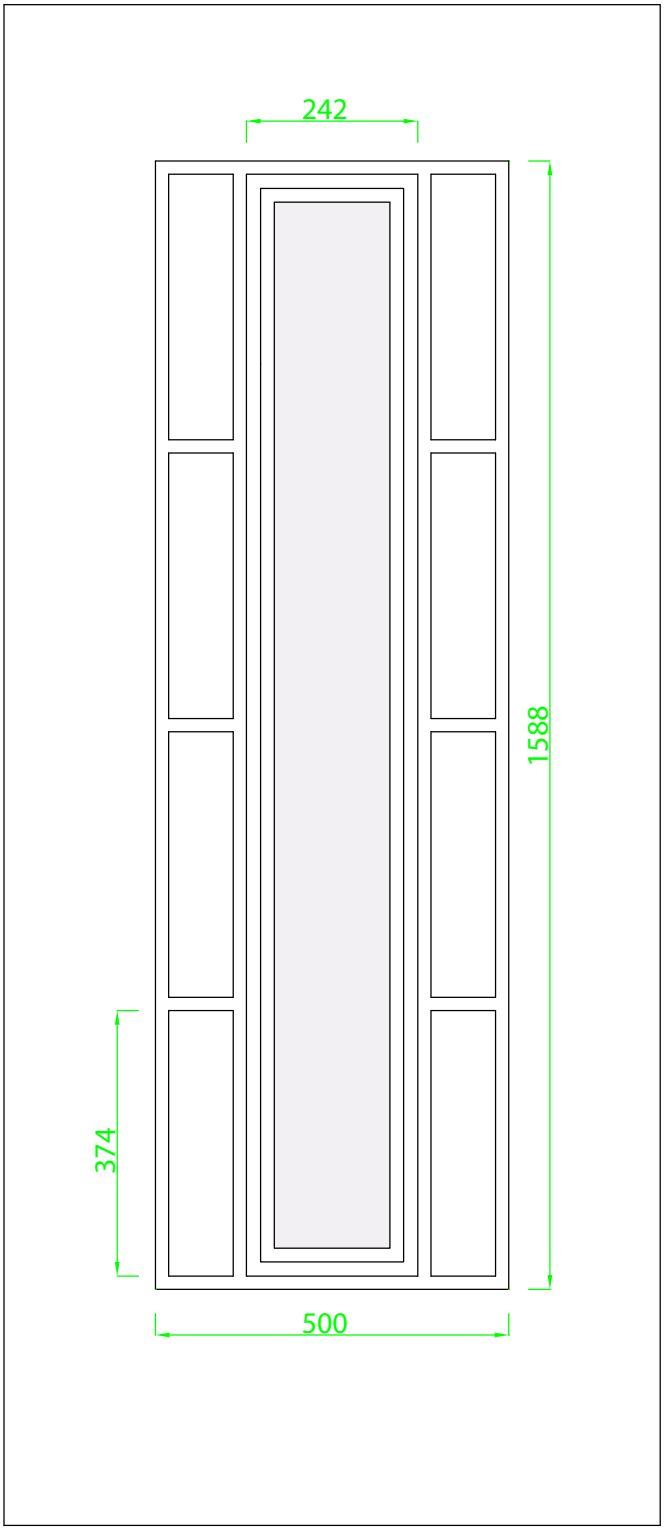

Door Sash

Width
Max: 908mm
Min: 675mm

Height
Max: 2098mm
Min: 1850mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 200 X 1510
Aperture: 163 X 1472

Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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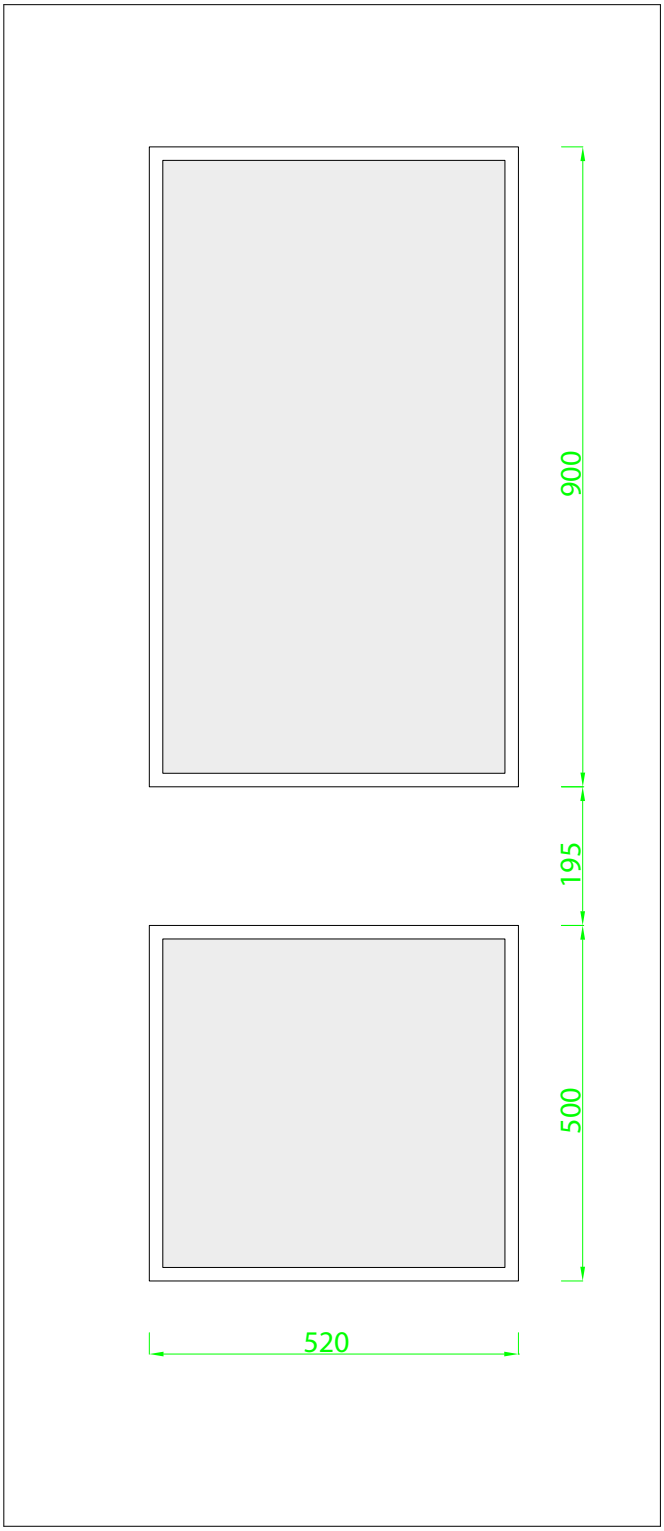

Door Sash

Width

Max: 908mm
Min: 728mm

Height

Max: 2098mm
Min: 1803mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22

Unit Size:	510 X 890	510 X 490
Aperture:	466 X 846	466 X 448

Press Bead Glazing
Unit Thickness: 24

Unit Size:	470 X 1852	470 X 455
Aperture:	438 X 818	438 X 422

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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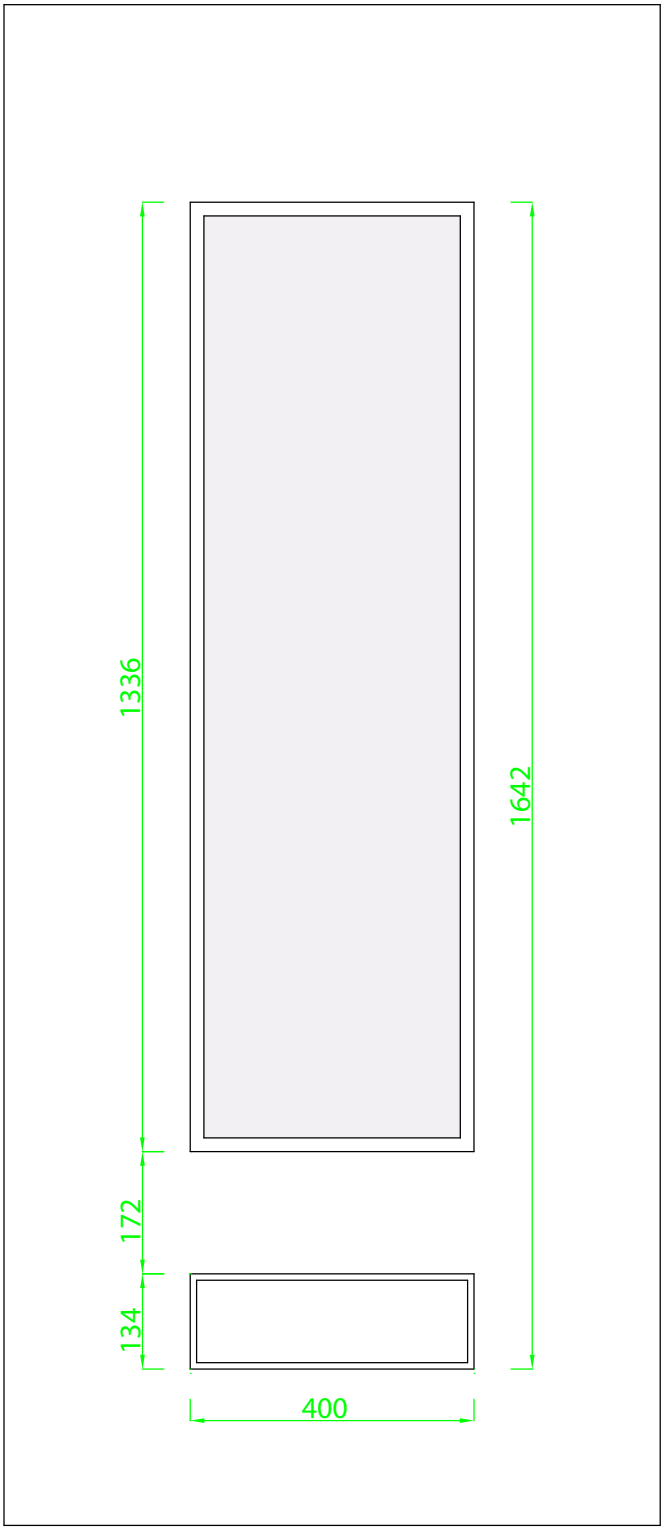


Door Sash

Width
Max: 908mm
Min: 675mm

Height
Max: 2098mm
Min: 1850mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 387 X 1323
Aperture: 352 X 1288

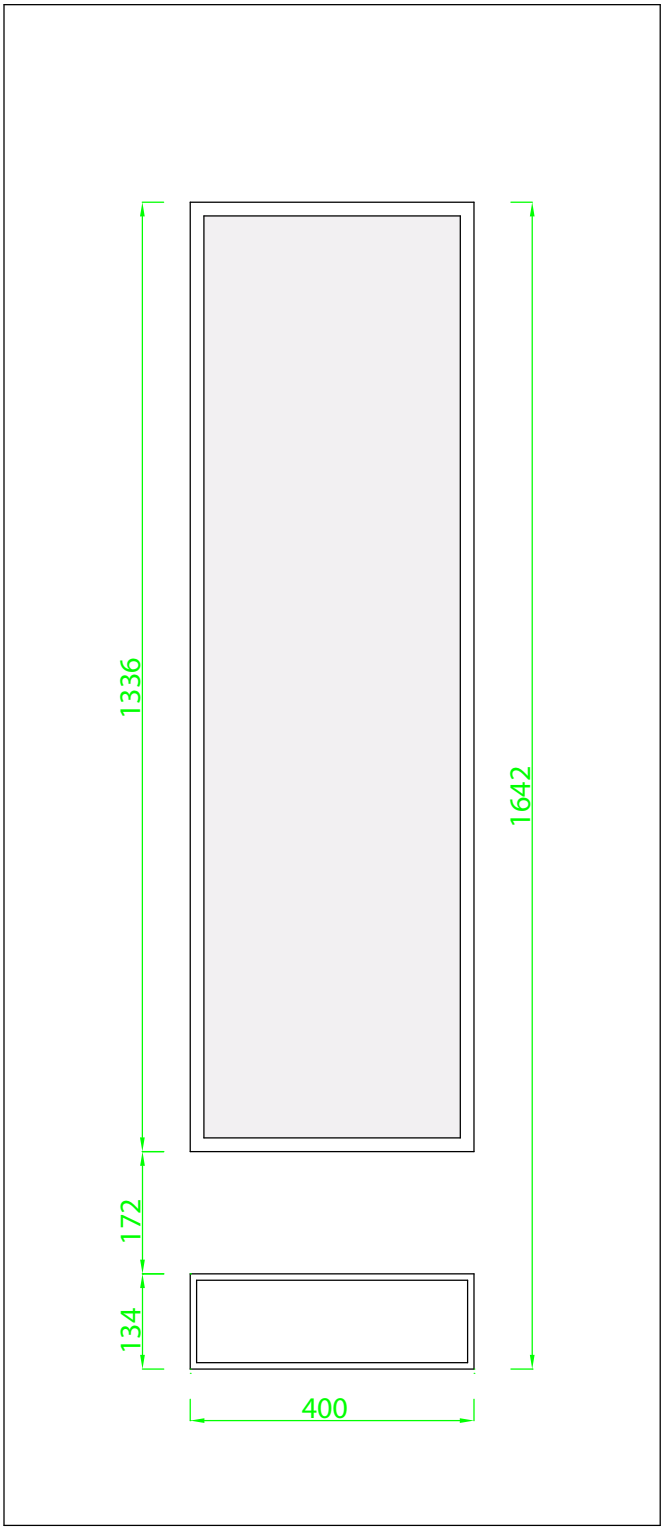
Press Bead Glazing
N/A

Lock options and double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions



Door Sash2

Width

Max: 908+7+908 = 1823mm

Min: 675+7+675 = 1357mm

Height

Max: 2098mm

Min: 1850mm Lock overide 1893mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Frame: 32mm+4mm air gap = **36mm**

Ali low threshold open **IN** = **20mm**

Ali low threshold open **OUT** = **17mm**

Cill = **30mm**

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 20mm)

Min = (Min sash height + 56mm + 20mm)

52 Frame low threshold open IN

Max = (Max sash height + 36mm + 20mm)

Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame

Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)

Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing

Unit Thickness: 22

Unit Size: 387 X 1323

Aperture: 352 X 1288

Press Bead Glazing

N/A

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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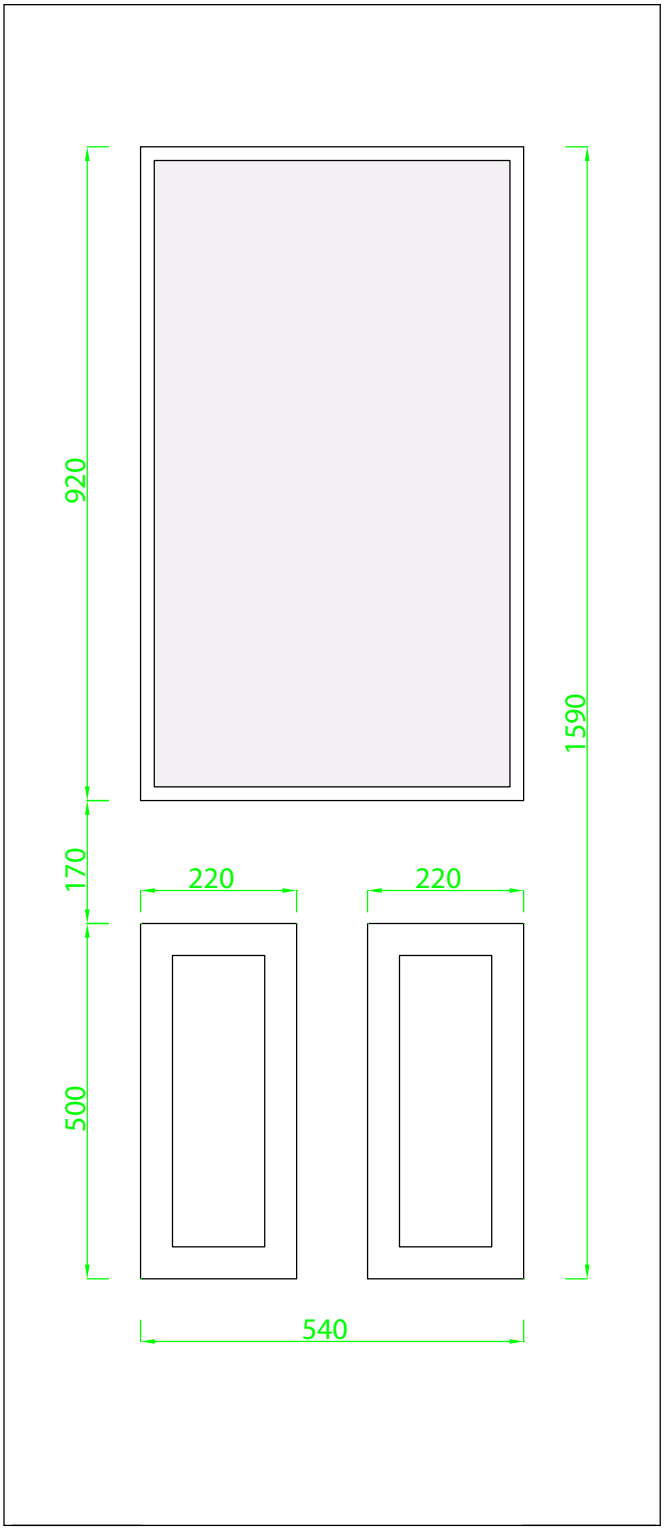

Door Sash

Width
Max: 908mm
Min: 748mm

Height
Max: 2098mm
Min: 1801mm

Profile Dimensions:
72 Frame: 52mm+4mm air gap = **56mm**
52 Frame: 32mm+4mm air gap = **36mm**
Ali low threshold open **IN** = **20mm**
Ali low threshold open **OUT** = **17mm**
Cill = **30mm**

Width
72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)
52 Frame
Max = (Max sash width + 36mm + 36mm)
Min = (Min sash width + 36mm + 36mm)

Height
72 Frame low threshold open IN
Max = (Max sash height + 56mm + 20mm)
Min = (Min sash height + 56mm + 20mm)
52 Frame low threshold open IN
Max = (Max sash height + 36mm + 20mm)
Min = (Min sash height + 36mm + 20mm)

Double Door Width 72mm Frame
Max = (Max sash width + Max sash width +56mm + 56mm + 8mm)
Min = (Min sash width + Min sash width +56mm + 56mm + 8mm)

Press Glazing
Unit Thickness: 22
Unit Size: 530 X 910
Aperture: 495 X 872

Press Bead Glazing
Unit Thickness: 24
Unit Size: 495 X 875
Aperture: 462 X 842

Lock options, double doors and French doors can overide the minimum sash heights stated above:

Minimum Sash Size Overides

The overall frame dimensions can be increased or reduced by using other profiles:

Door Outer Frame
PVC-U Thresholds
Ali Thresholds / Tie Bars
Cills
Add On / Frame Extensions

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Minimum Sash Size Overides

2 Hook Lever Lock and Key Lock

Minimum sash height is 1880mm
Below 1880mm a 3 hook lock will be used (Charged for a 4 hook lock)

Double Doors

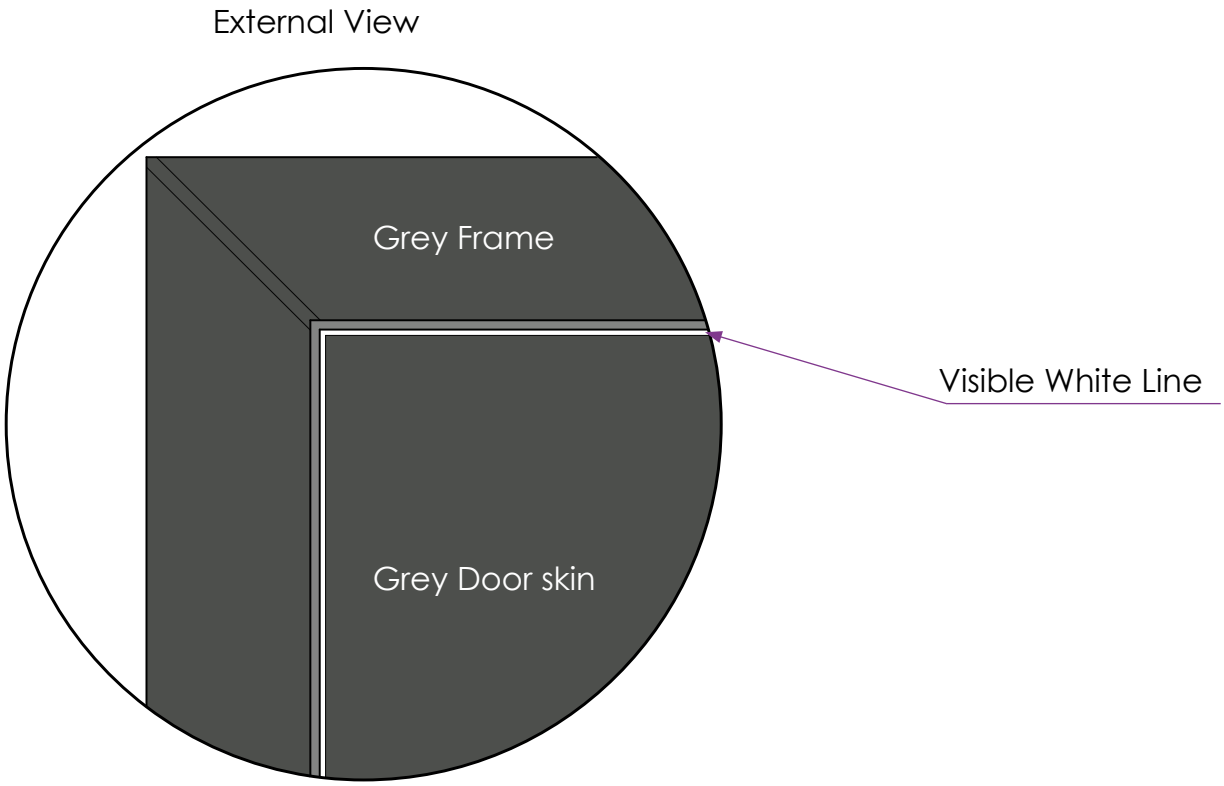
Minimum sash height is 1996mm
Below 1996mm a 3 hook lock will be used (Charged for a 4 hook lock)

French Doors

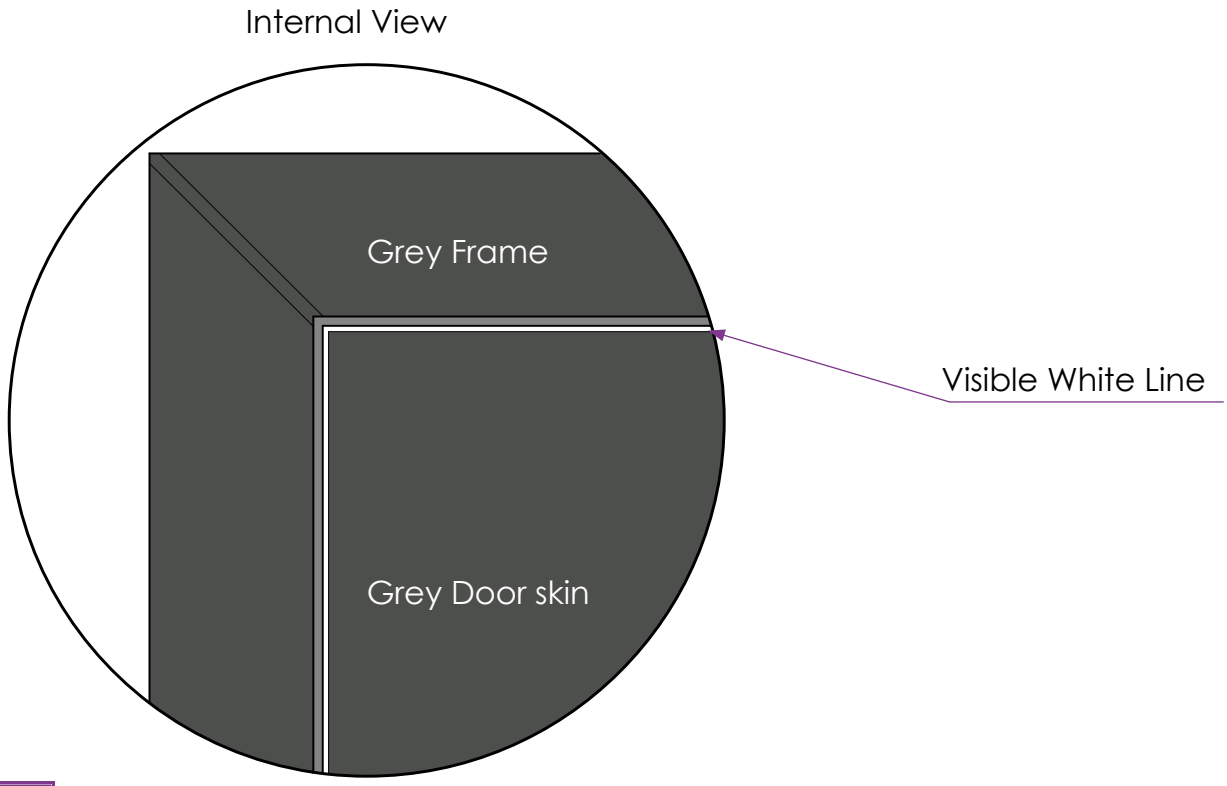
Minimum sash height is 1893mm

Where the sash and frame meet on the flush side, there is a chamfer on the door which is visible. It is more noticable when the door and frame are dark colours.

Open Out Doors with matching sash and frame colours



Open In Doors with matching sash and frame colours



Door and Frame Colour Options

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Door and Frame Colour Options

WHITE
Available with matching outerframe.

CREAM (RAL9001)
Available with matching outerframe.

BLACK (RAL8022)
Available with matching outerframe.

ANTHRACITE GREY (RAL7016)
Available with matching outerframe.

SLATE GREY (RAL7015)
Available with matching outerframe.

AGATE GREY (RAL7038)
Available with matching outerframe.

CHARTWELL GREEN
Available with matching outerframe.

ROSEWOOD
Available with matching outerframe.

LIGHT OAK
Available with matching outerframe.

IRISH OAK
Available with matching outerframe.

SAPPHIRE BLUE (RAL5011)

EMERALD GREEN (RAL6009)

RUBY RED (RAL3011)

ROCK DOOR

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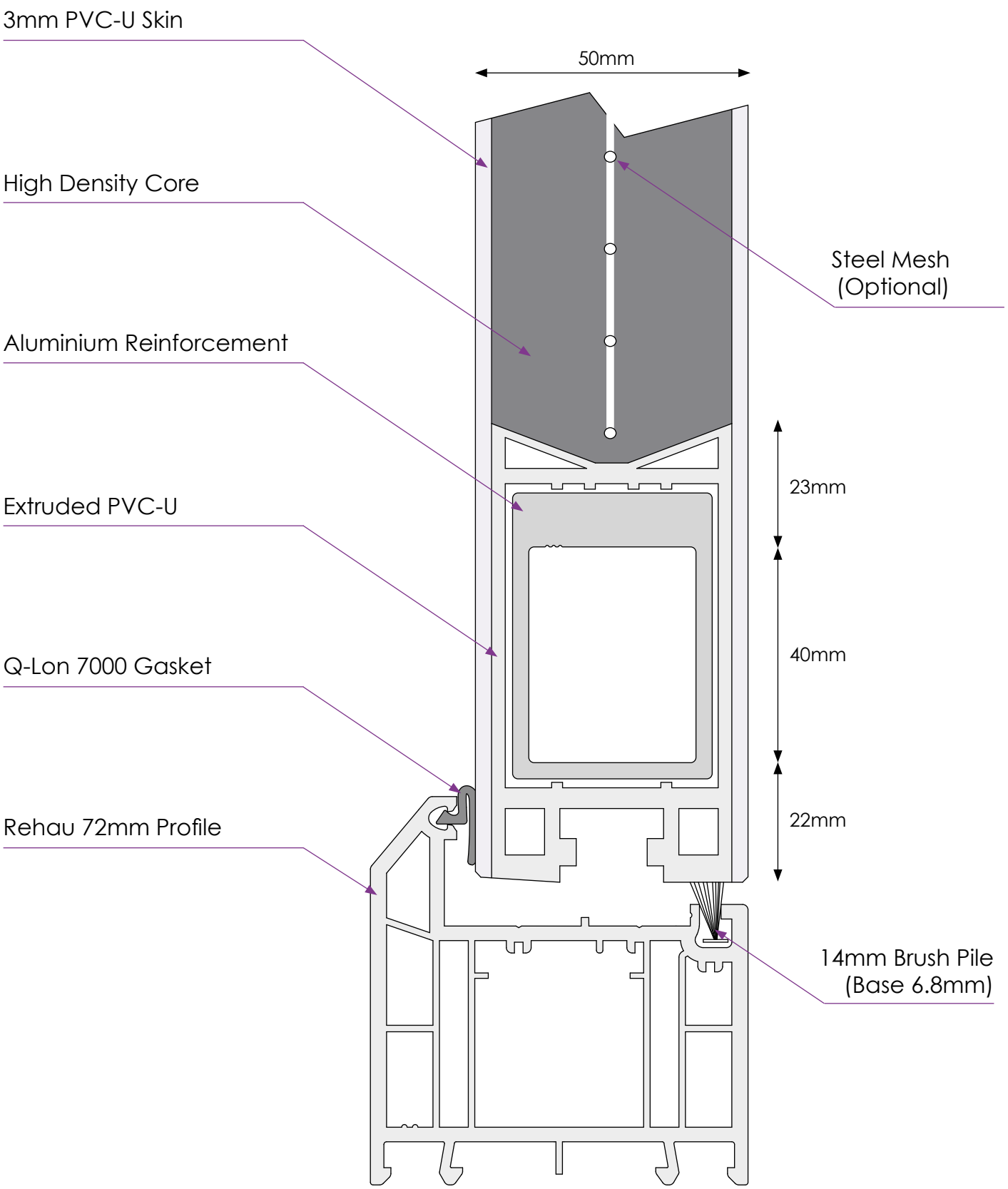
Inner Frame Detail



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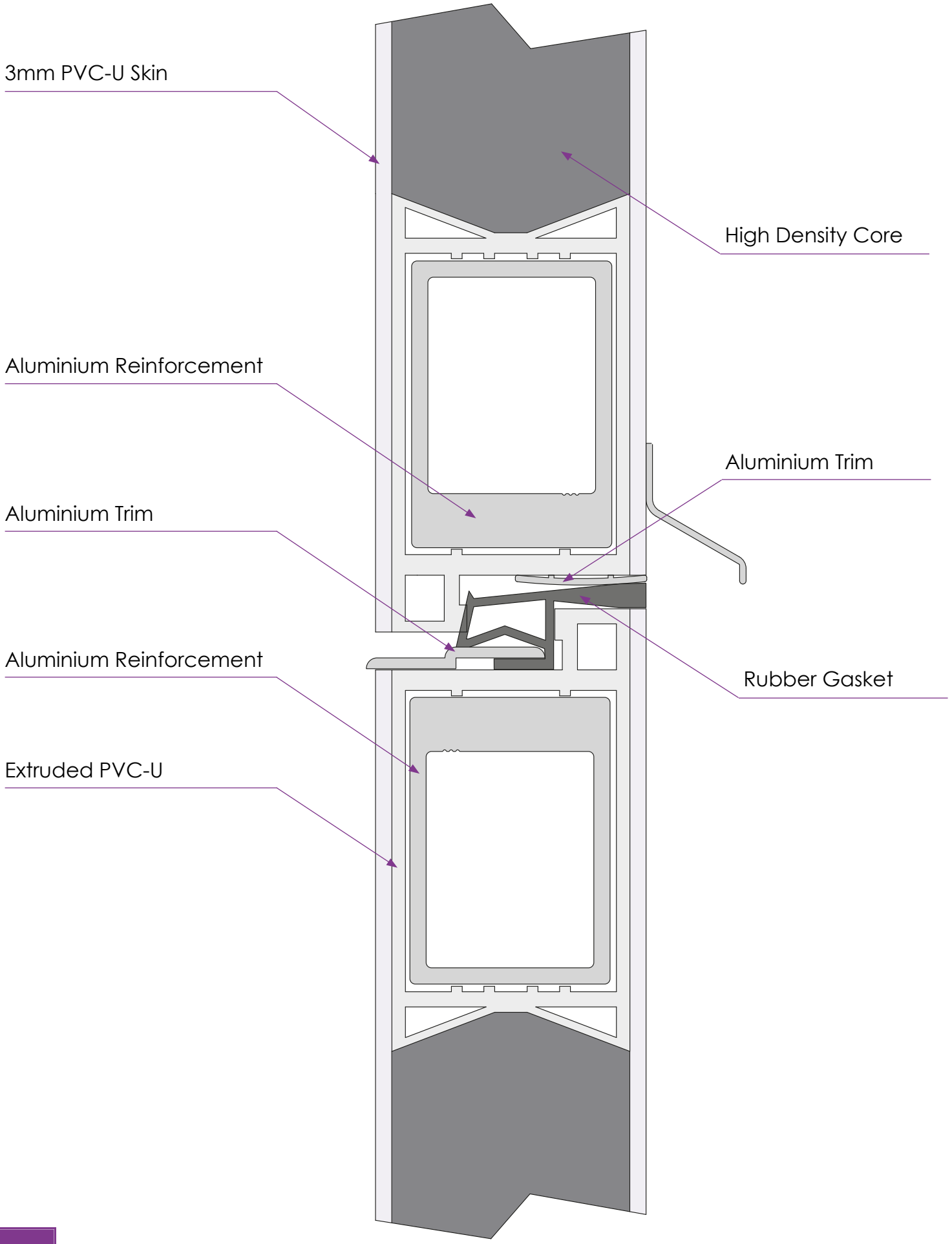
Stable Door Centre Seal



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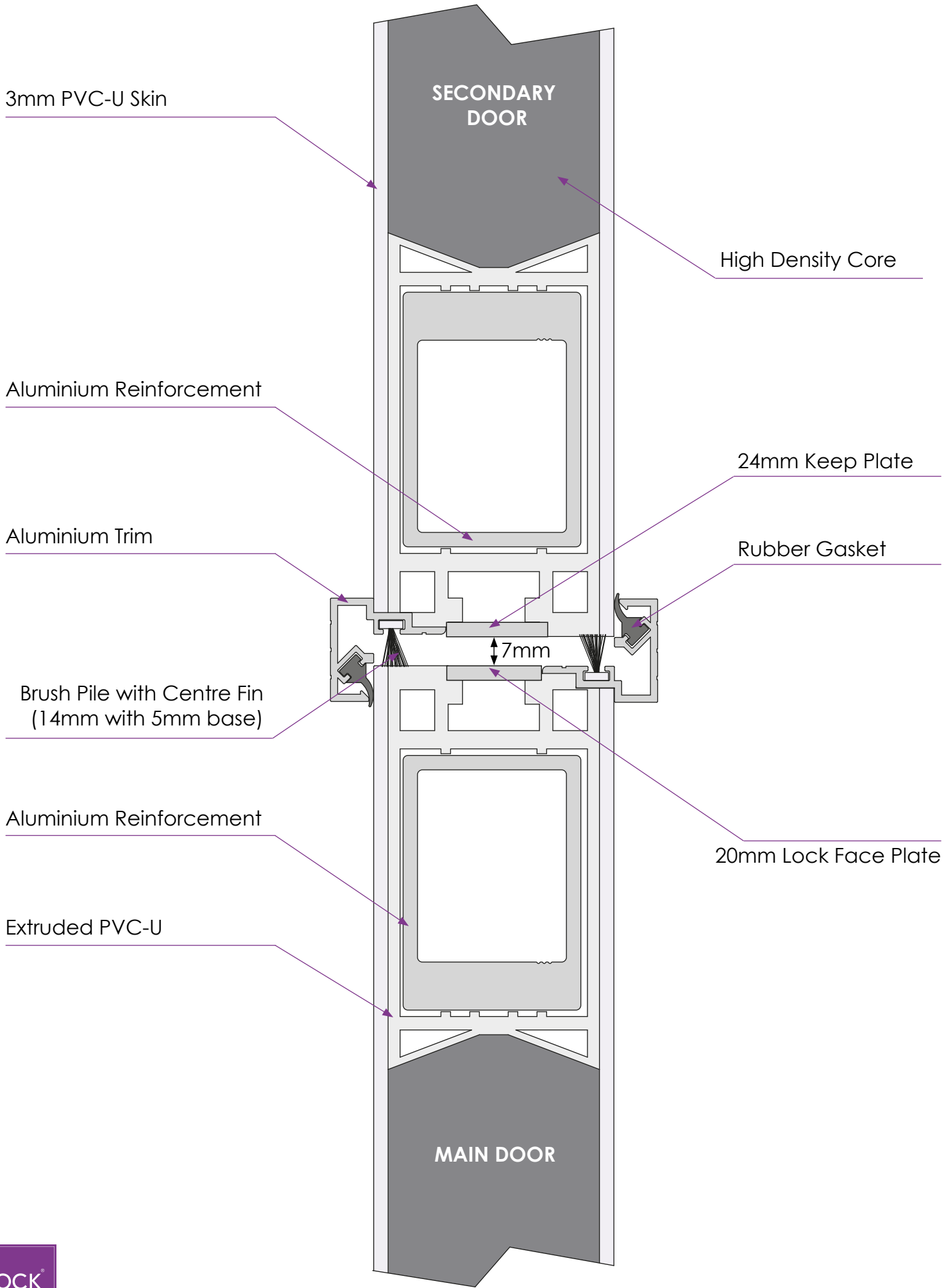
French / Double Door Centre Seal



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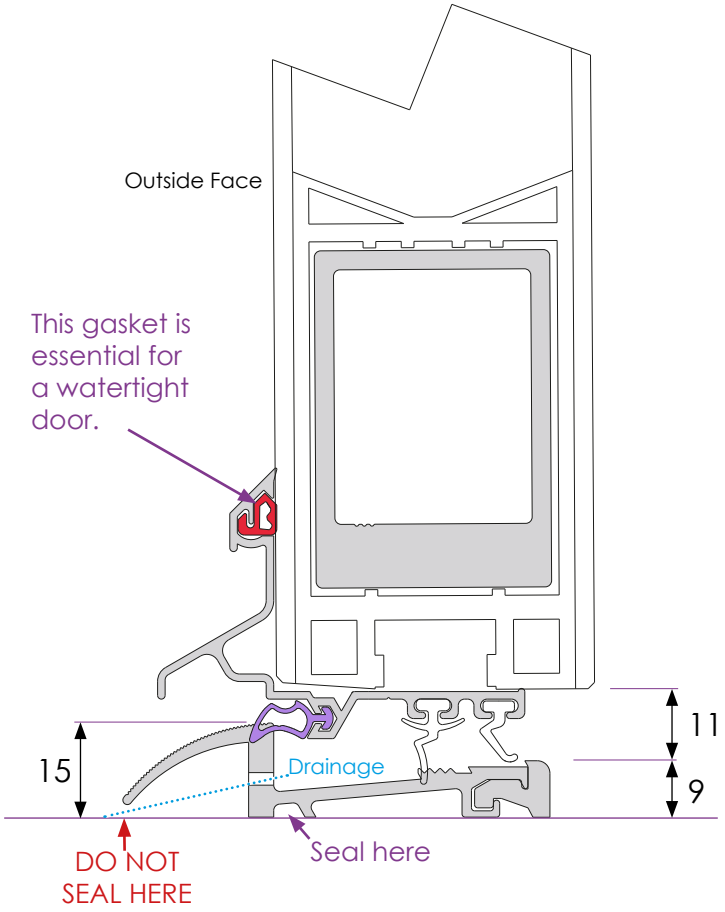
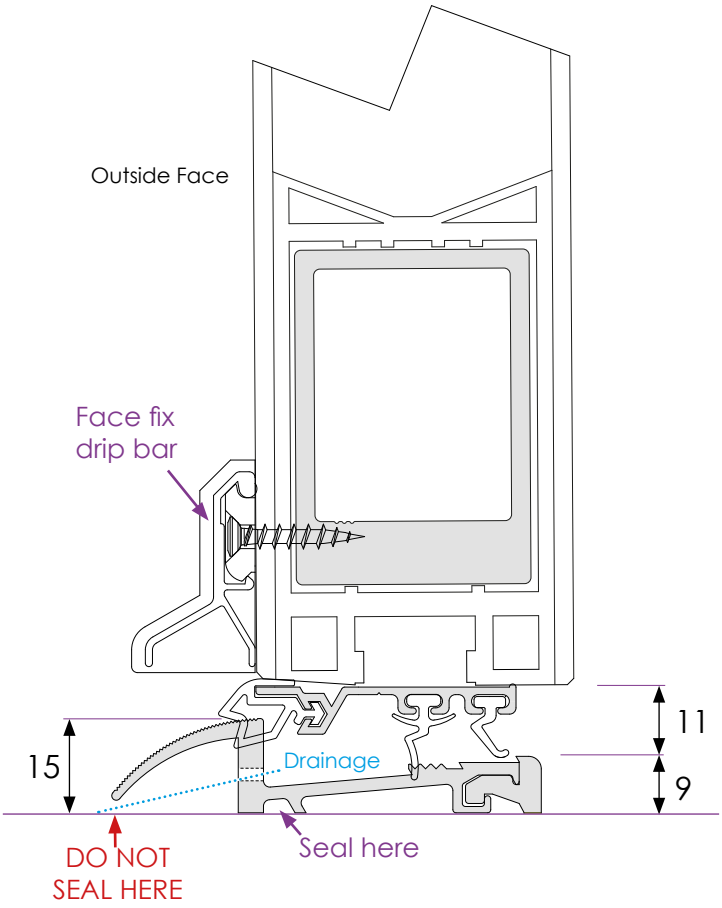
Open **IN** Aluminium Threshold

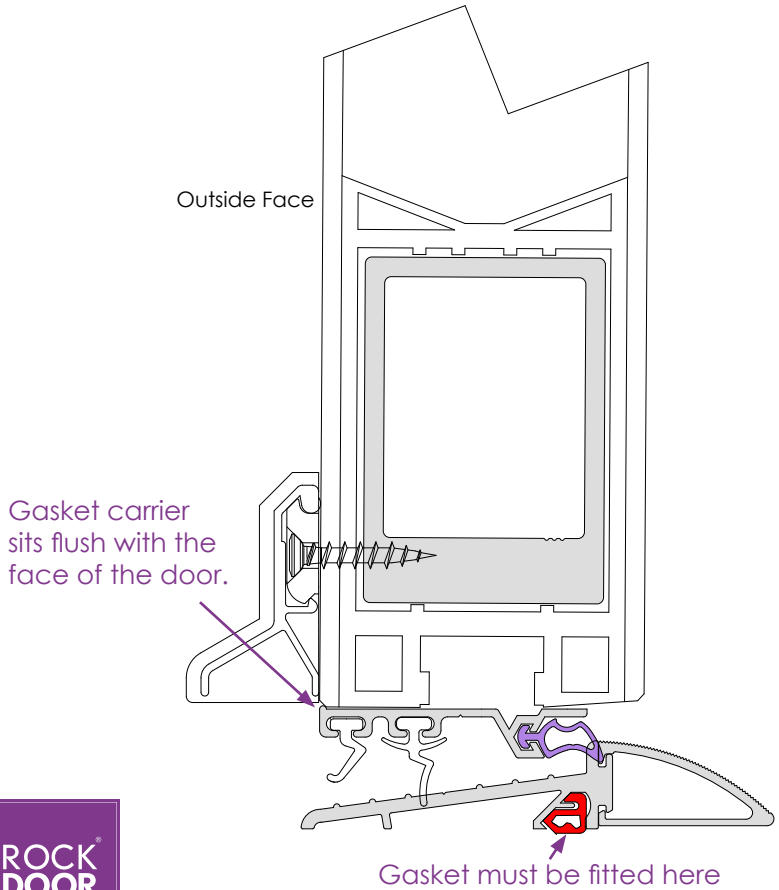
Drip bar and gasket carrier one piece, colour matched to the furniture.



Face fix drip bar with separate gasket carrier, colour matched to the door.



Open **OUT** Aluminium Threshold



Gasket Codes


R149


Comes with the carrier


R149A


R149B

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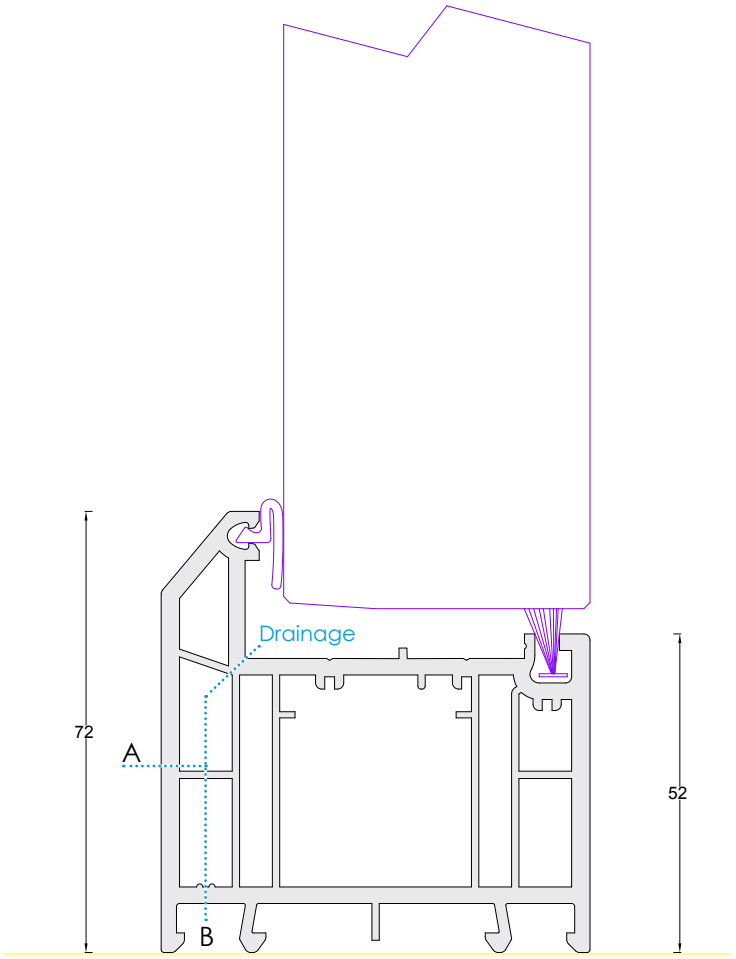
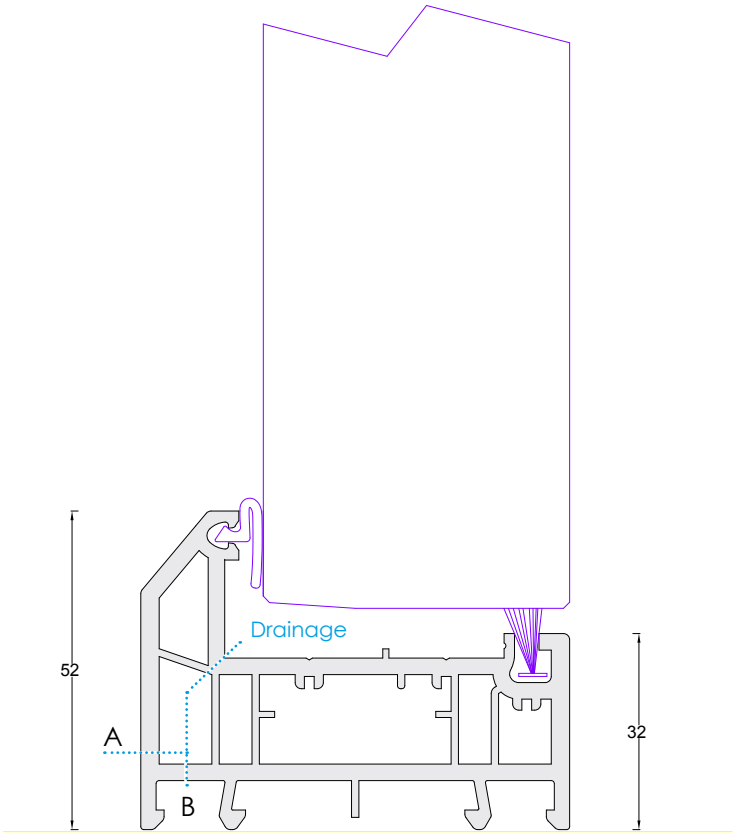
72mm PVC-U Threshold



A= Face Drainage
(Slots 5mm x 35mm)

B= Concealed Drainage

52mm PVC-U Threshold



A= Face Drainage
(Slots 5mm x 35mm)

B= Concealed Drainage

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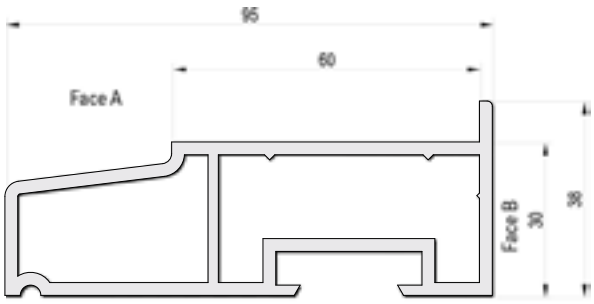
Cill Detail

If a cill is required on a Rockdoors with a sideframe a reinforced cill **must** be used.

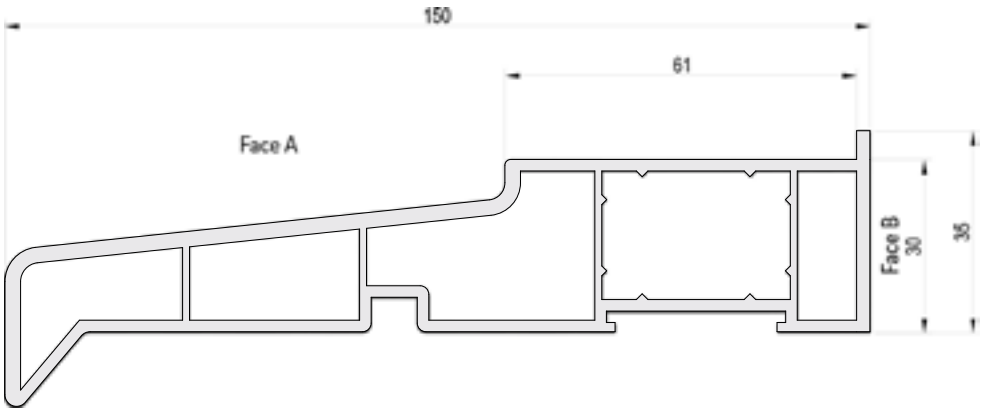
95mm Cill
Art.546360



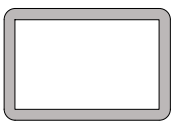
Reinforcement
Art.251355

50mm x 15mm

150mm Cill
Art.246330



Reinforcement
Art.324971



30mm x 20mm

Face A & Face B used to identify foiled face

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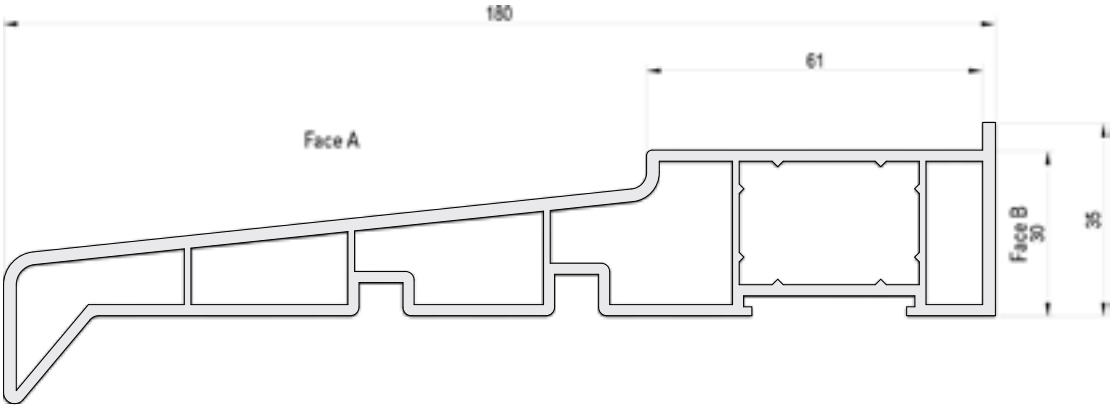
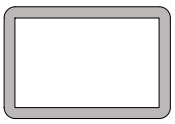
Cill Detail

If a cill is required on a Rockdoors with a sideframe a reinforced cill **must** be used.

180mm Cill
Art.246340
Reinforcement 30 x 20

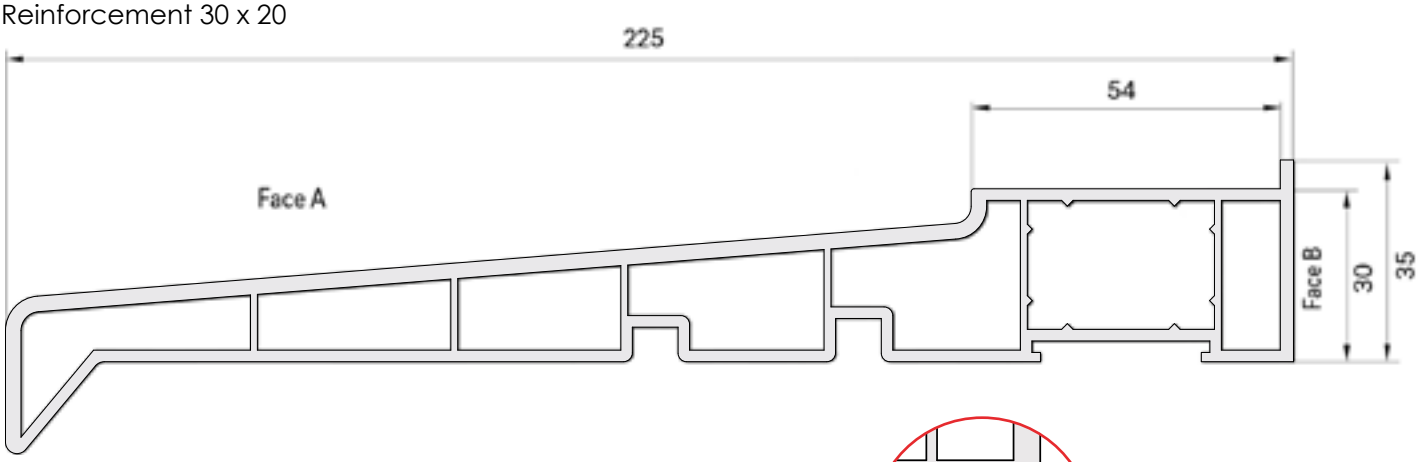


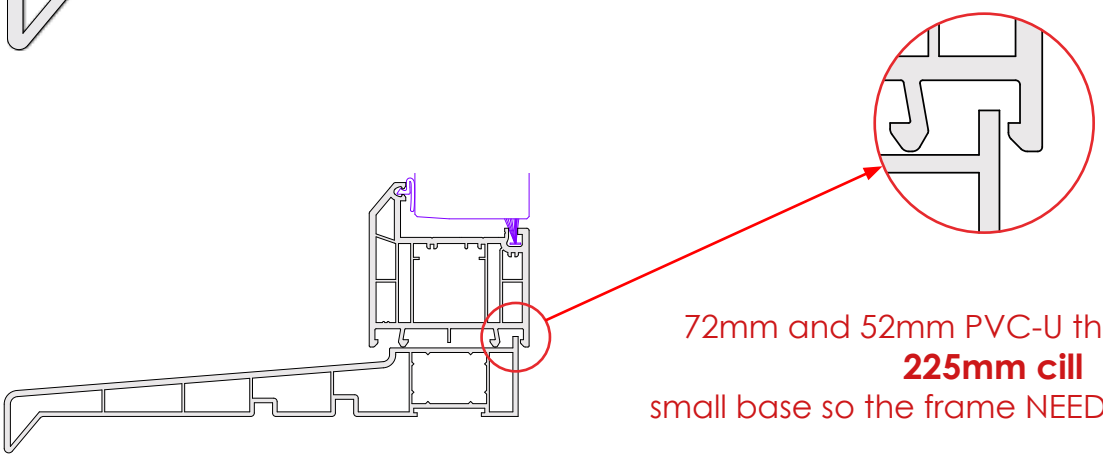
Reinforcement for BOTH 180mm and 225mm cill
Art.324971
50 x 15
Reinforcement 30 x 20



30mm x 20mm

225mm Cill
Art.503940
Reinforcement 30 x 20





72mm and 52mm PVC-U threshold on a
225mm cill
small base so the frame NEEDS SITTING BACK

Face A & Face B used to identify foiled face

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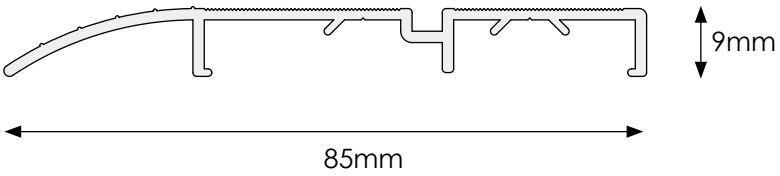
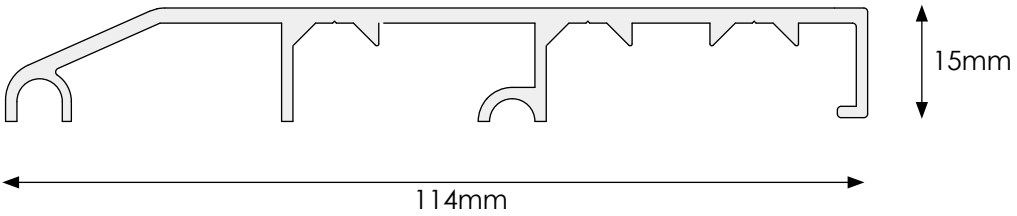
Tie Bar 9mm x 85mm (Max 3m in length)



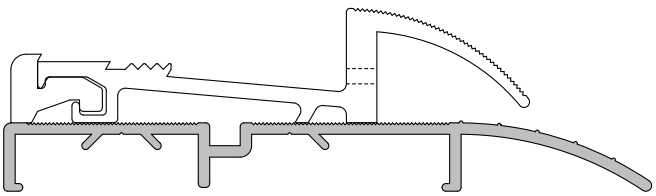
Aluminium
Available in Gold and Silver

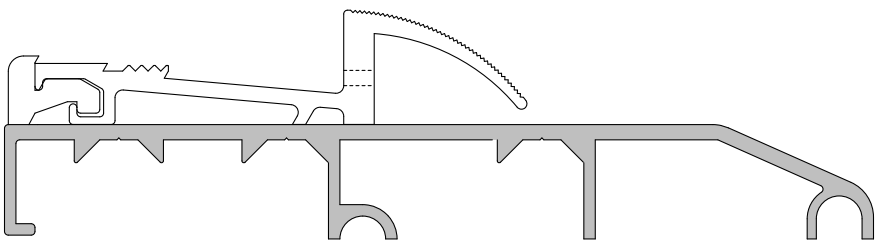
Tie Bar 15mm x 114mm (Max 3m in length)



Tie bars can be used with all threshold types and can be positioned to suit the application.

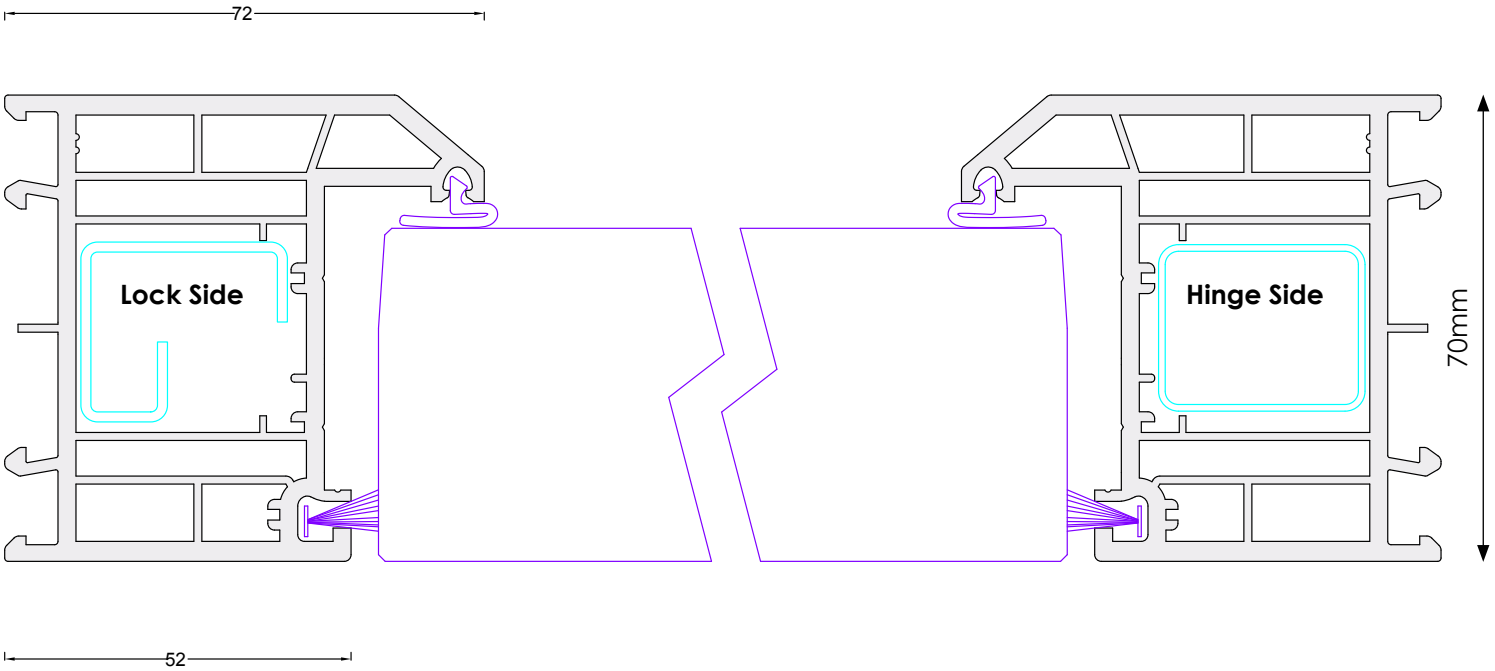
Examples using an open in low aluminium threshold.



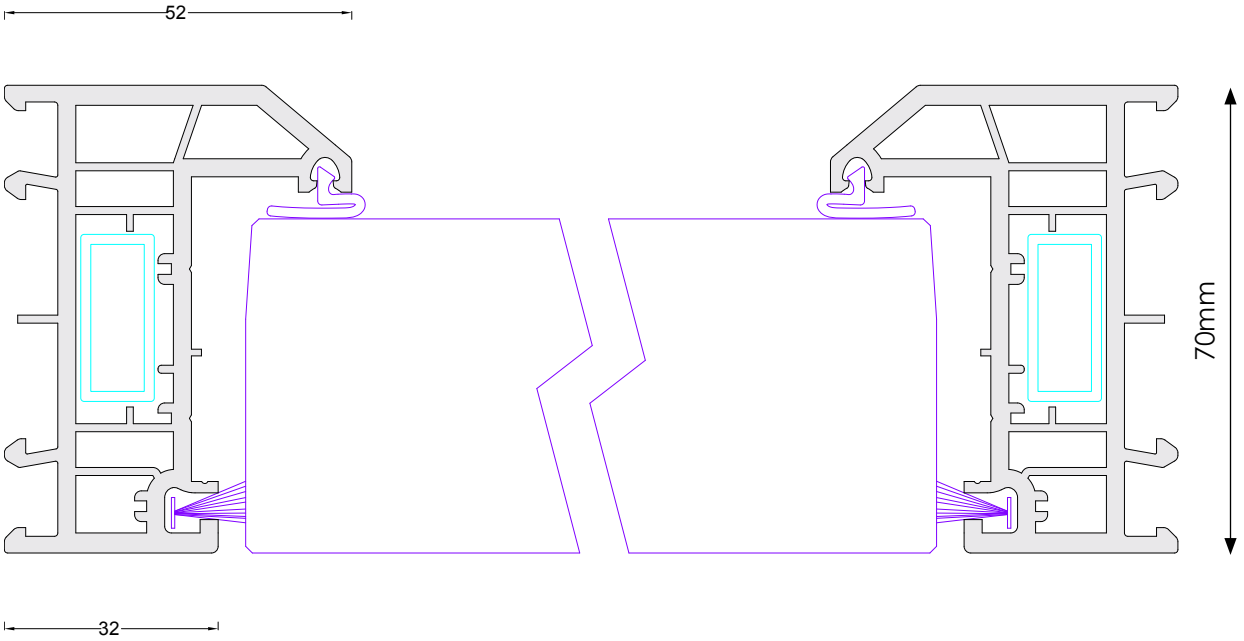


Outer Frame Detail

72mm Outer Frame



52mm Outer Frame



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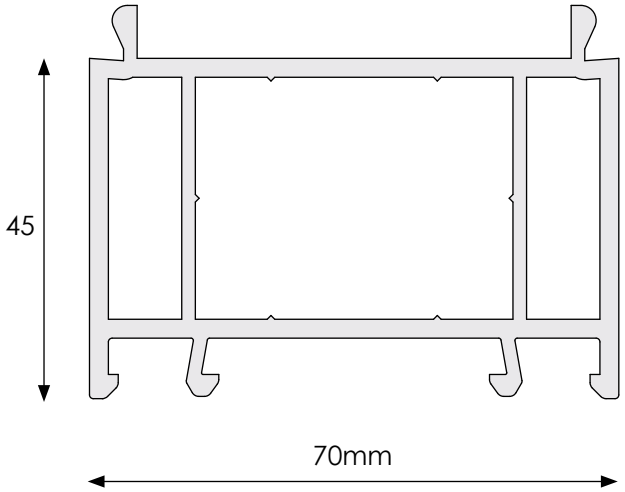
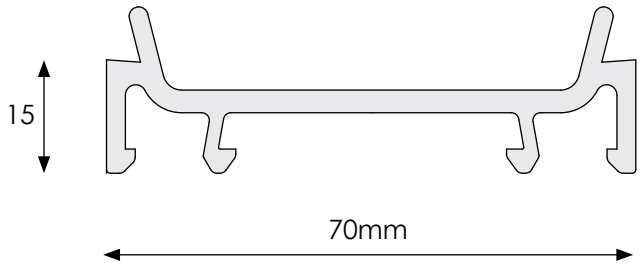
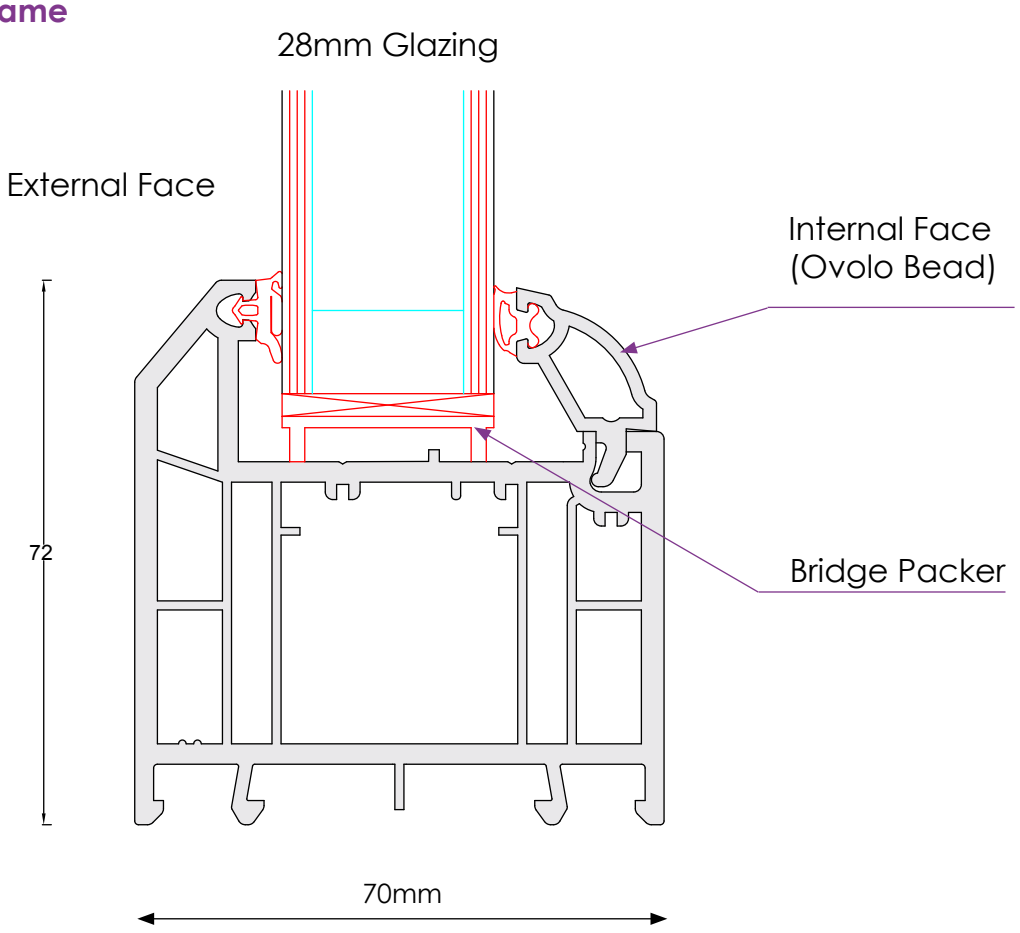
45mm Add On / Frame Extension



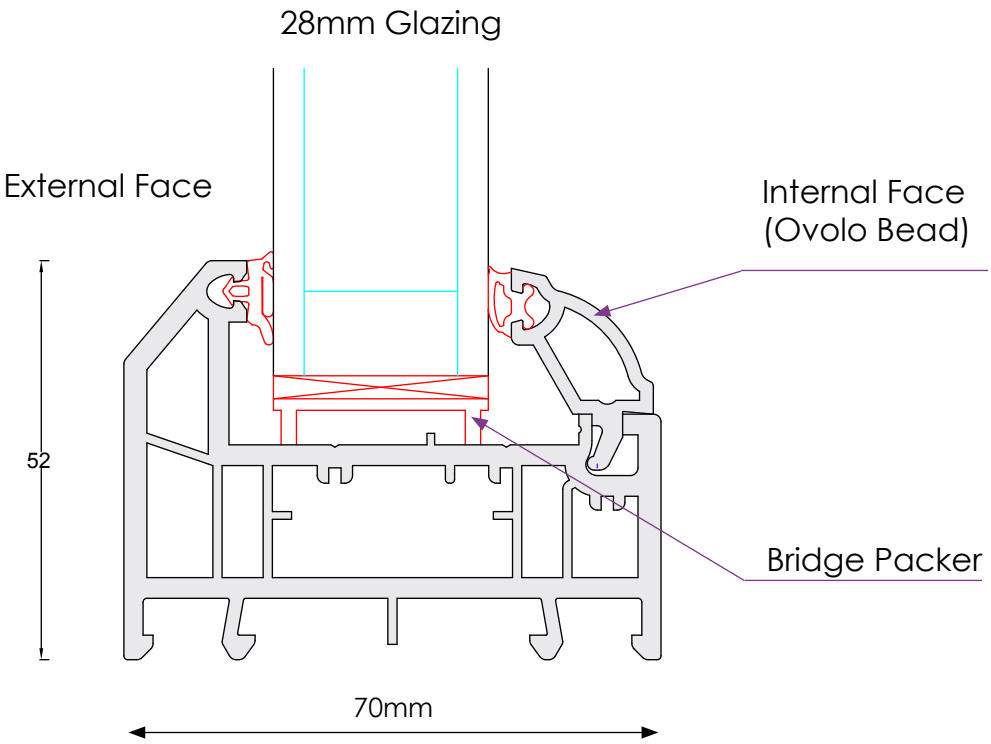
15mm Add On / Frame Extension



72mm Side Frame



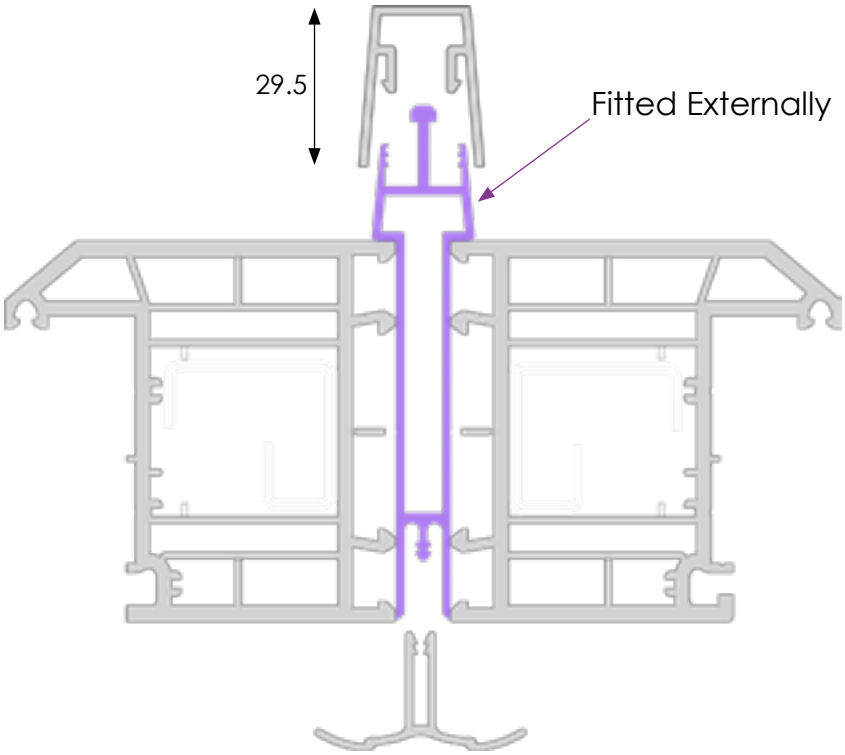
52mm Side Frame

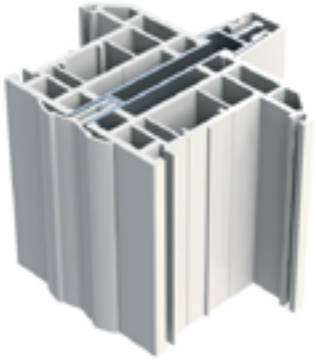


Coupling Bar Detail

Heavy Weight Coupler (10mm wide)

Protruding
Recommended for the higher exposure category. The coupler protrudes this makes it the strongest design of all couplers offered.

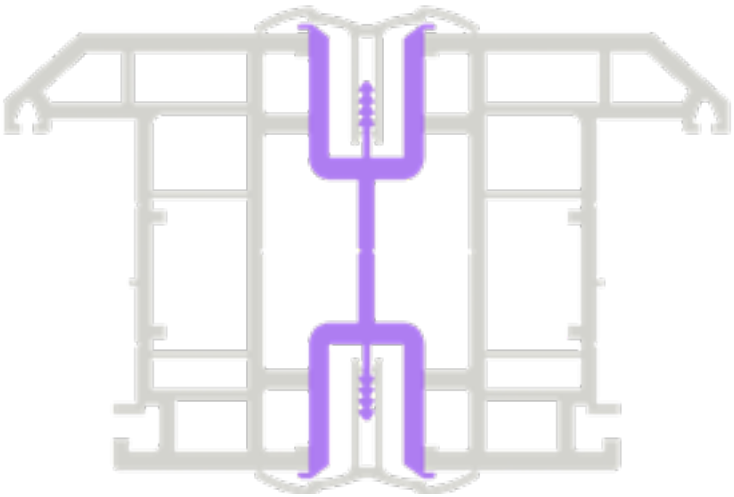


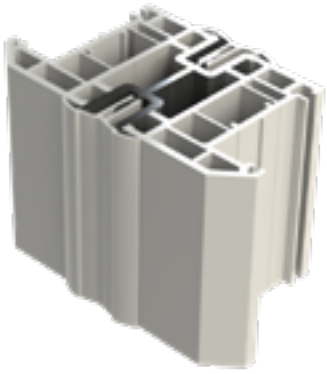


CODE	WWL153
IXX (cm)	27.95
IYY (cm)	0.79
DEDUCTION	5mm Per Frame

Medium Weight Coupler (20mm wide)

Flush Fitting
Recommended where a higher exposure category or larger side frames is requested and the couplers remain Flush to the door frame





CODE	WWL106
IXX (cm)	24.5
IYY (cm)	2.4
DEDUCTION	10mm Per Frame

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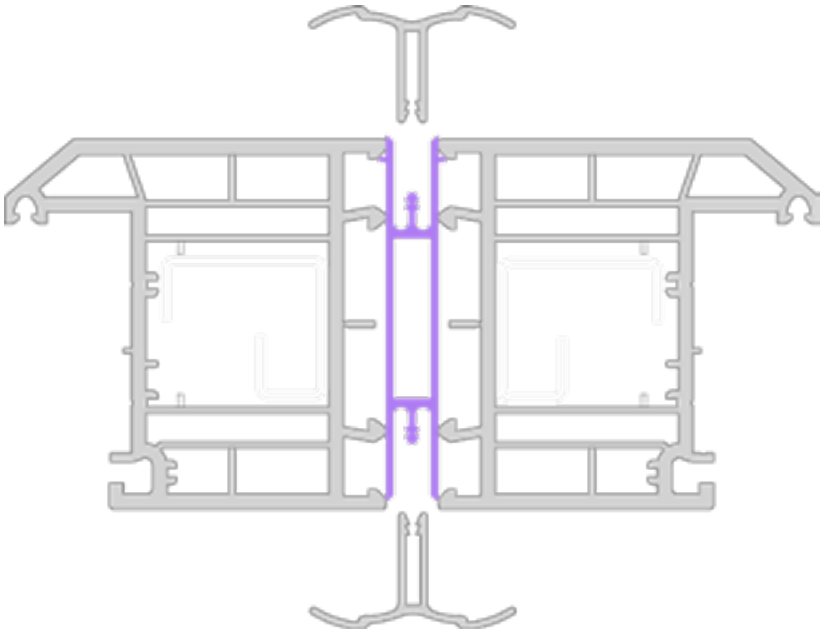
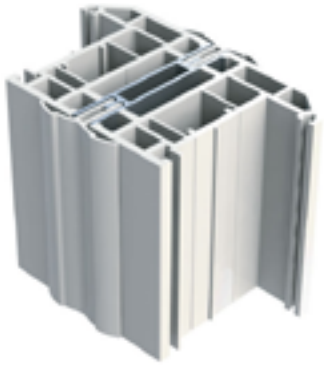
Coupling Bar Detail

Light Weight Coupler (10mm wide)

Flush Fitting
Recommended in lower exposure zones and for the narrower side frames.

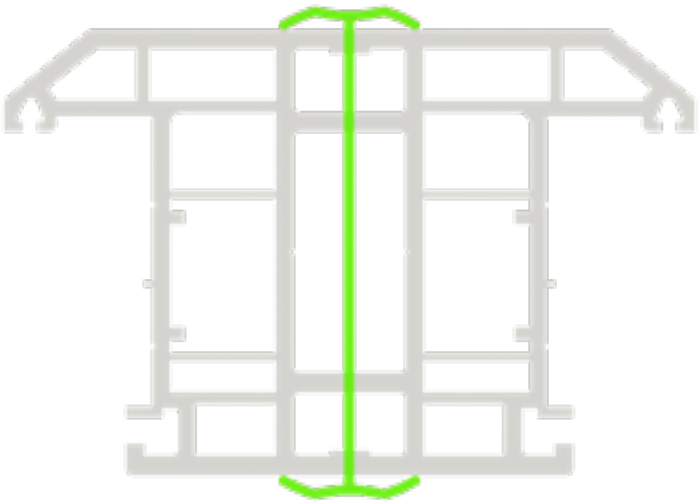




CODE	WWL150
IXX (cm)	9.97
IYY (cm)	0.40
DEDUCTION	5mm Per Frame

1.5mm Coupler (1.5mm wide)
PVC-U

Only use on single door fanlights



CODE	PFC70
IXX (cm)	0
IYY (cm)	10
DEDUCTION	0.75mm Per Frame

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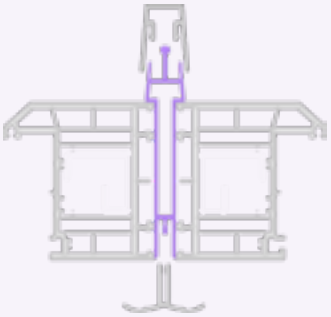
Side Frame / Coupling Bar Max Sizes

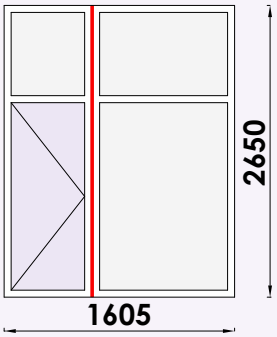
72mm Reinforced Outer Frame to achieve 800PA.

The door size cannot be larger than 900mm x 2070mm

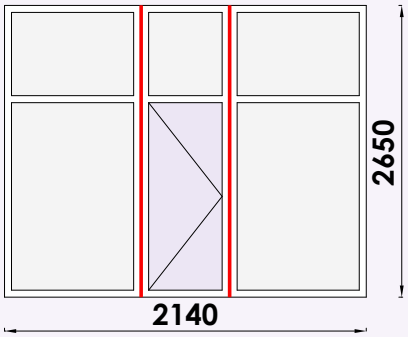
Heavy Duty (10mm wide)
Rigidity : **Very High**



MAX Size with **ONE** Sideframe



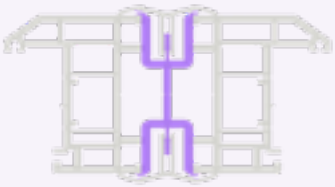
MAX Size with **TWO** Sideframes



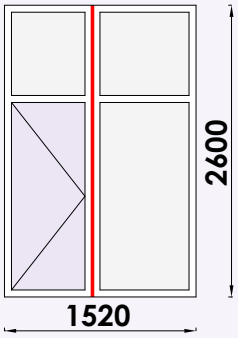
MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Heavy Duty Coupler**

The door size cannot be larger than 900mm x 2070mm

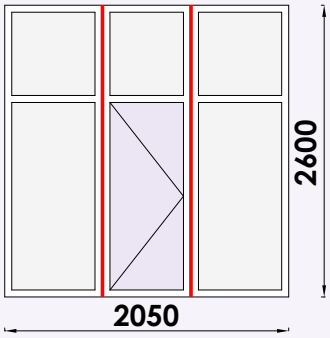
Medium Duty Coupler (20mm Wide)
Rigidity : **High**



MAX Size with **ONE** Sideframe



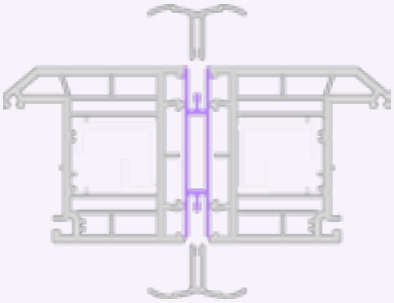
MAX Size with **TWO** Sideframes



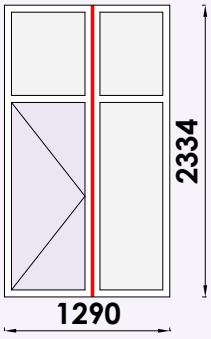
MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Medium Duty Coupler**

The door size cannot be larger than 900mm x 2070mm

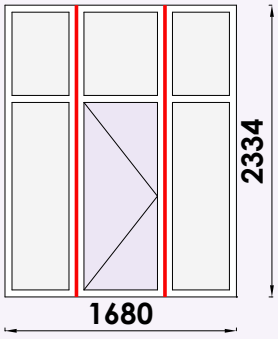
Light Duty Coupler (10mm wide)
Rigidity : **Standard**



MAX Size with **ONE** Sideframe



MAX Size with **TWO** Sideframes



MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Light Duty Coupler**

ROCK DOOR

It is the installers responsibility to ensure that the products are fit for purpose for the environment in which they are installed and the correct level of operational performance is achieved.

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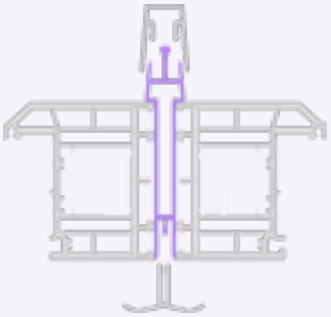
Side Frame / Coupling Bar Max Sizes

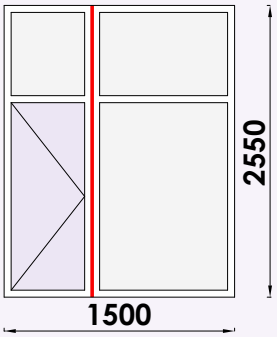
52mm Reinforced Outer Frame to achieve 800PA.

The door size cannot be larger than 900mm x 2070mm

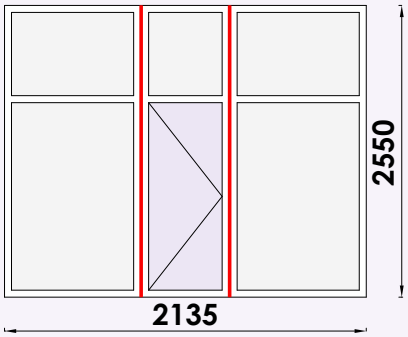
Heavy Duty (10mm wide)
Rigidity : **Very High**



MAX Size with **ONE** Sideframe



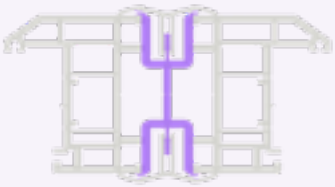
MAX Size with **TWO** Sideframes



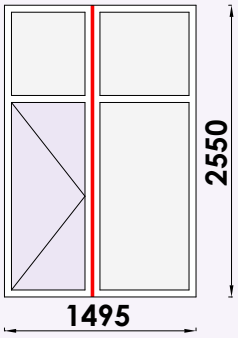
MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Heavy Duty Coupler**

The door size cannot be larger than 900mm x 2070mm

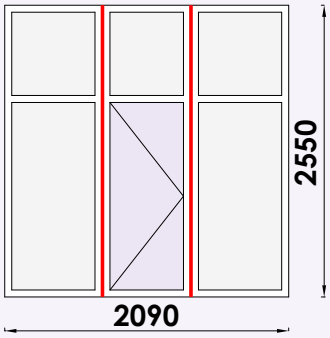
Medium Duty Coupler (20mm Wide)
Rigidity : **High**



MAX Size with **ONE** Sideframe



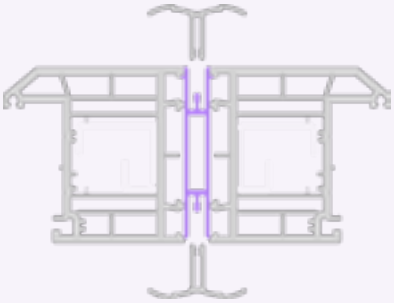
MAX Size with **TWO** Sideframes



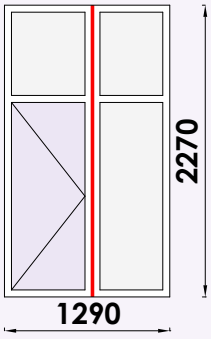
MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Medium Duty Coupler**

The door size cannot be larger than 900mm x 2070mm

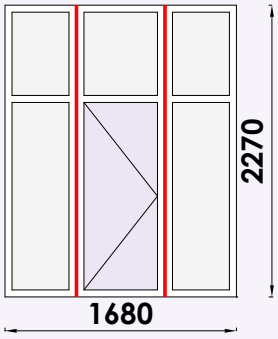
Light Duty Coupler (10mm wide)
Rigidity : **Standard**



MAX Size with **ONE** Sideframe



MAX Size with **TWO** Sideframes



MAX Sizes for Side Frames constructed from **72mm Reinforced Outer Frame** using **Light Duty Coupler**

ROCK DOOR

It is the installers responsibility to ensure that the products are fit for purpose for the environment in which they are installed and the correct level of operational performance is achieved.

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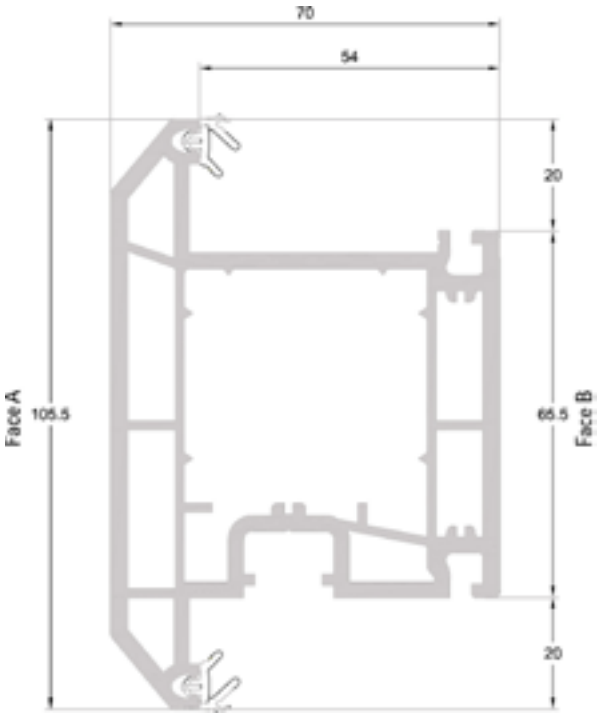
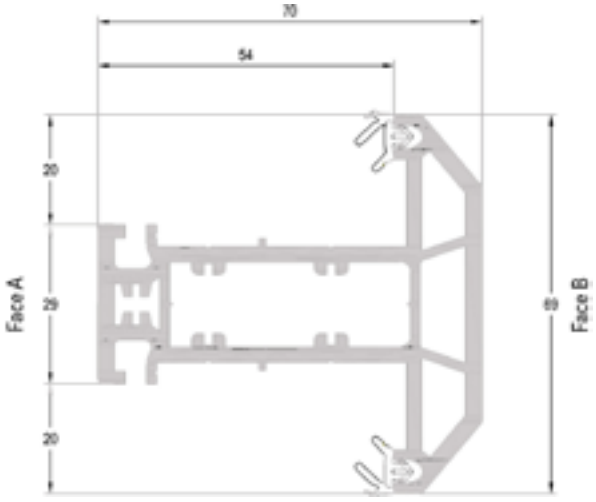
Sideframe with MIDRAIL
72mm outer with 105.5 Midrail: **min width =323.5mm**
72mm outer with 69 Midrail: **min width =360mm**
52mm outer with 69 Midrail: **min width =320mm**

Sideframe with NO Midrail GROOVED
72mm outer: **min width =295mm**
52mm outer: **min width =275mm**
Sideframe with NO Midrail KNIFED OFF by hand
72mm outer: **min width =190mm**
52mm outer: **min width =190mm**

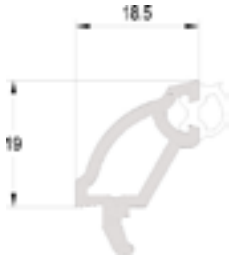
Standard and the stainless steel option letterplates cannot be fitted into midrails.



Door T Sash / Midrail 105.5mm
Standard Midrail in sideframes
Art.546635



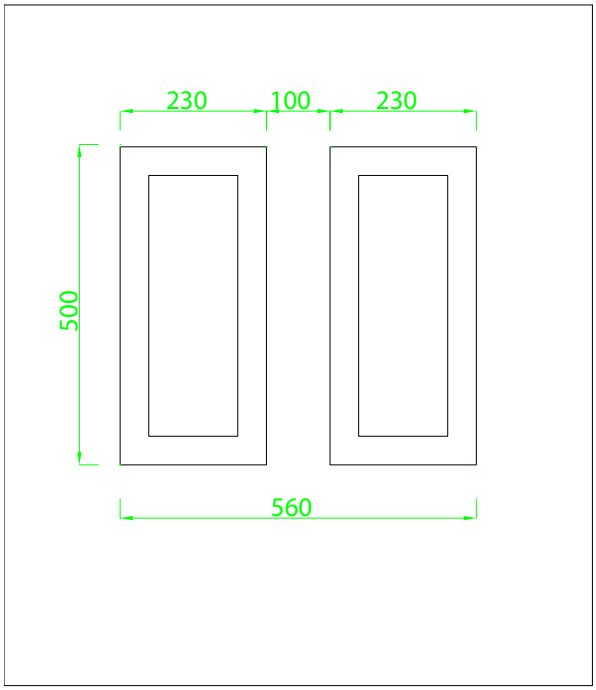
Slim Transom / Mullion T 69mm
Standard Mullion in Fanlights
Art.546085



Co-extruded Glazing Bead 18.5
For 28mm sealed units
Art.546572

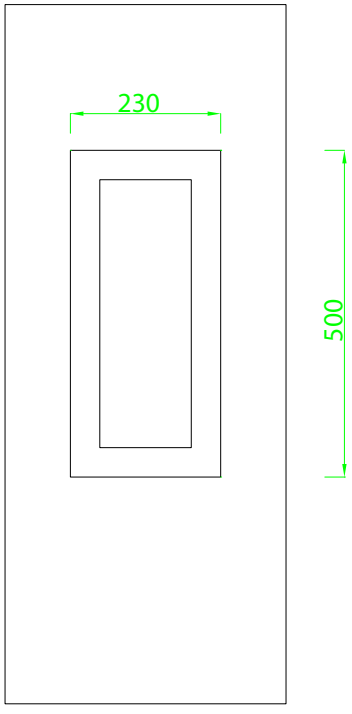
DOUBLE MOULDED PANELS

MAX SIZE: w785 x h950
MIN SIZE: w620 x h580



SINGLE MOULDED PANELS

MAX SIZE: w420 xh950
MIN SIZE: w290 x h580



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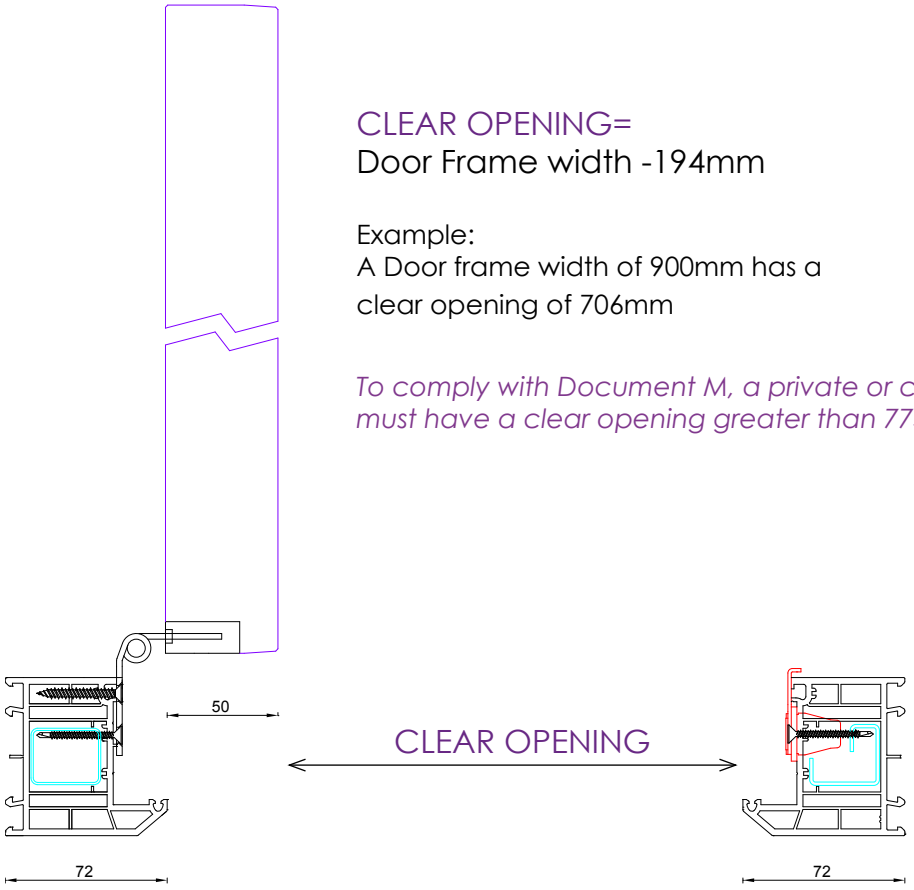
72mm Outer Frame

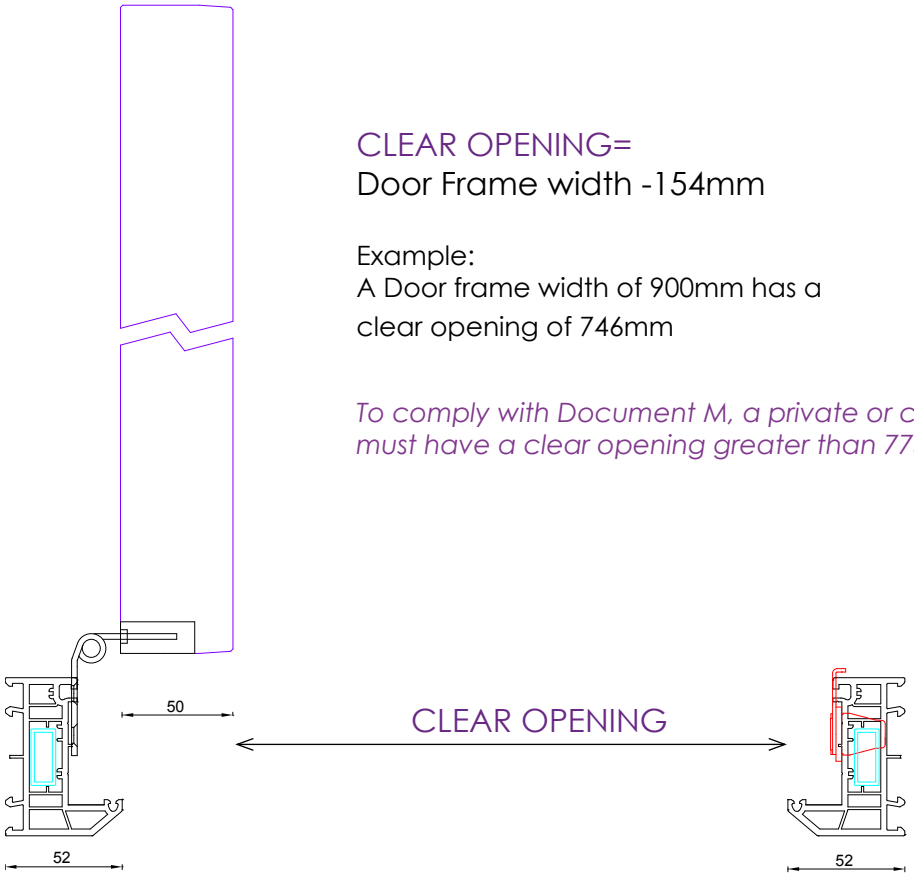


CLEAR OPENING=
Door Frame width -194mm

Example:
A Door frame width of 900mm has a clear opening of 706mm

To comply with Document M, a private or communal entrance must have a clear opening greater than 775mm.

52mm Outer Frame



CLEAR OPENING=
Door Frame width -154mm

Example:
A Door frame width of 900mm has a clear opening of 746mm

To comply with Document M, a private or communal entrance must have a clear opening greater than 775mm.

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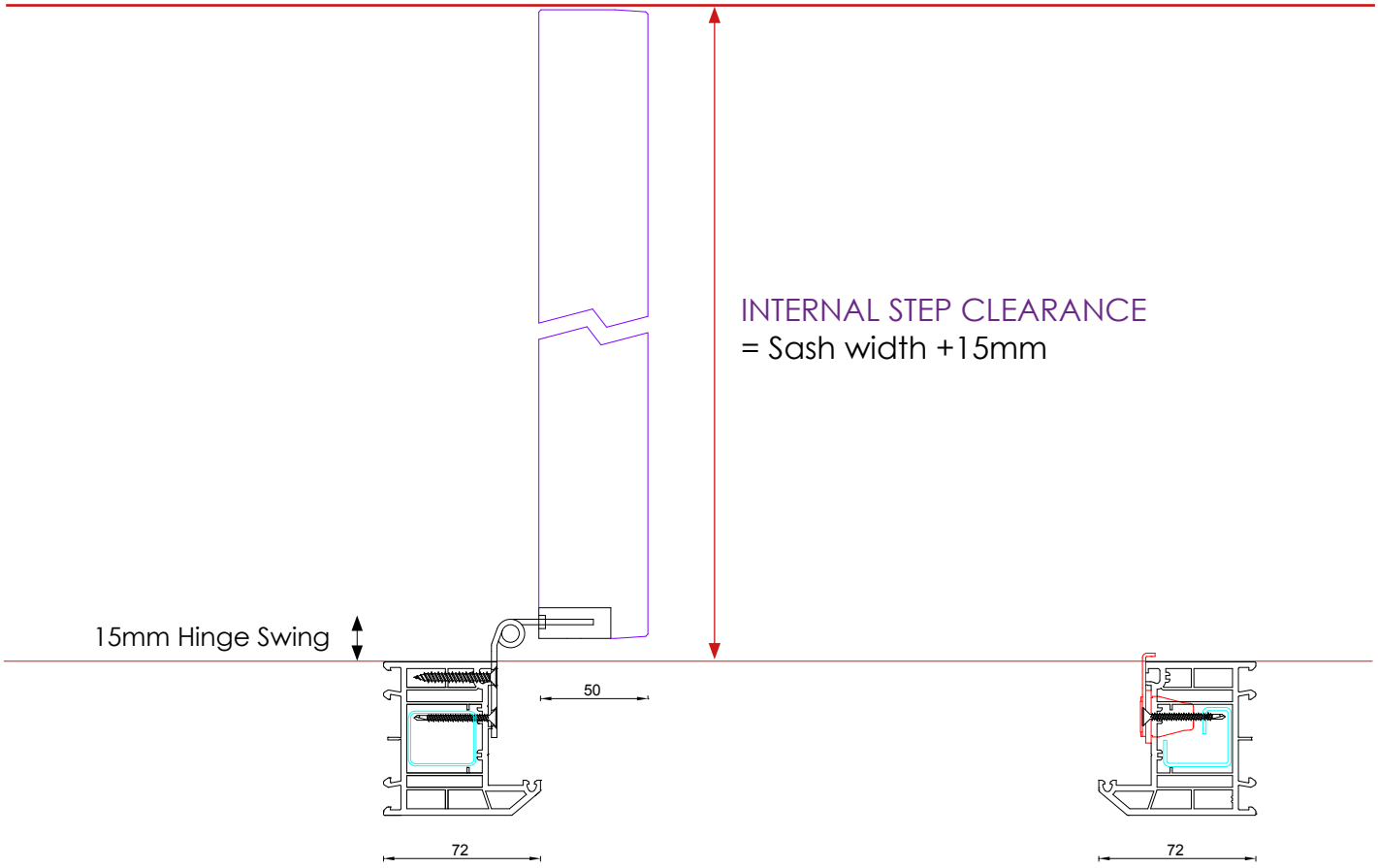
Internal Floor Level Clearance

INTERNAL STEP



For **72mm** Profile Sash Width = Overall Frame Width **-112**

For **52mm** Profile Sash width = Overall Frame Width **-72**

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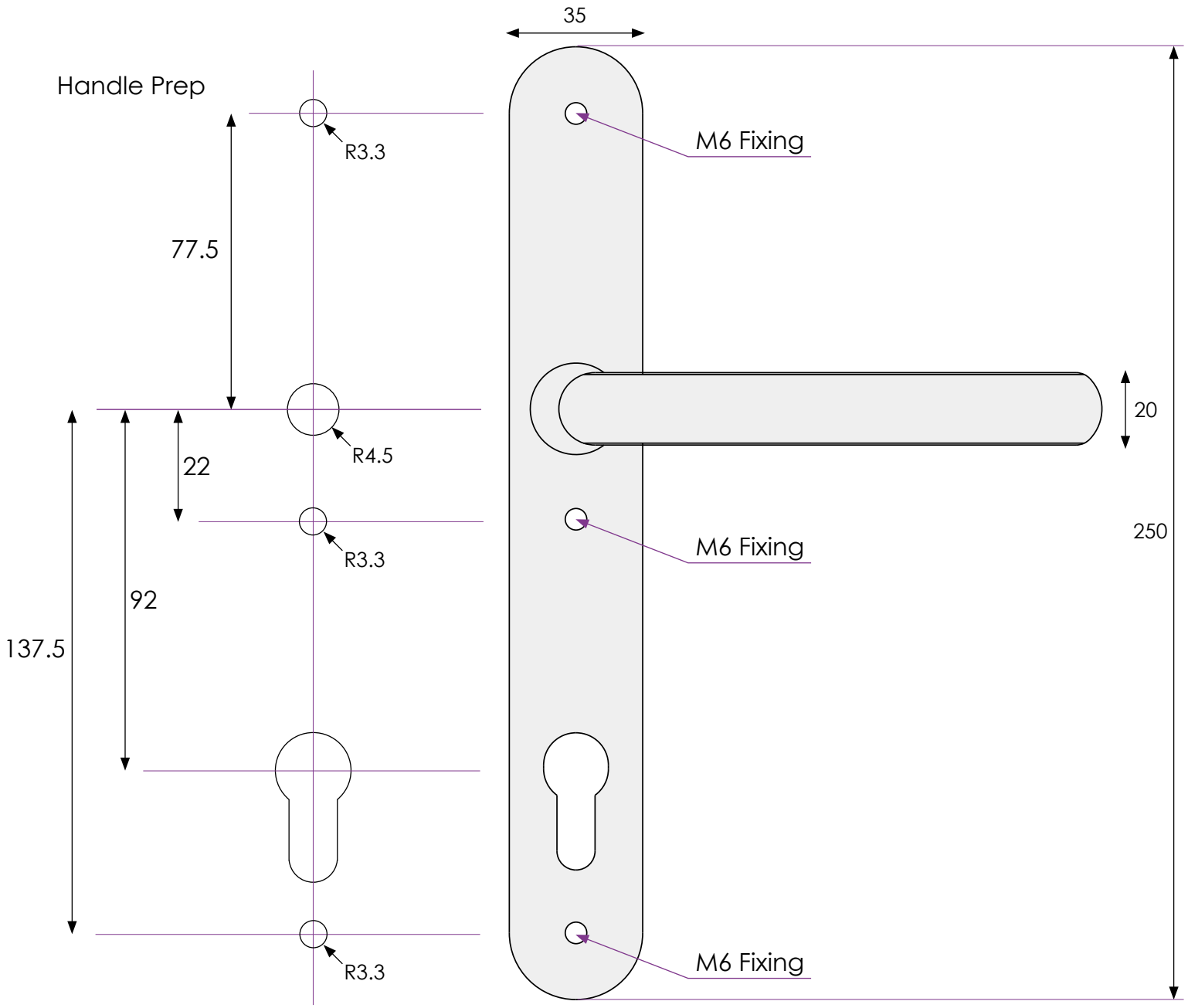
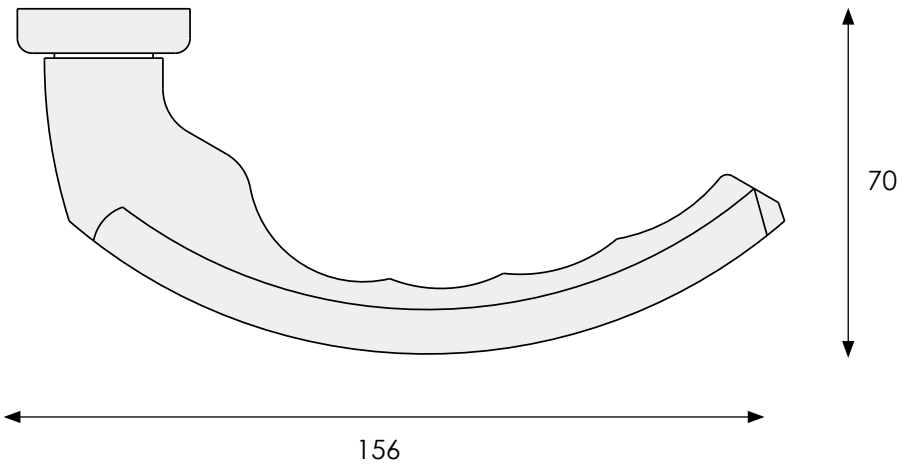
Standard Lever Handle





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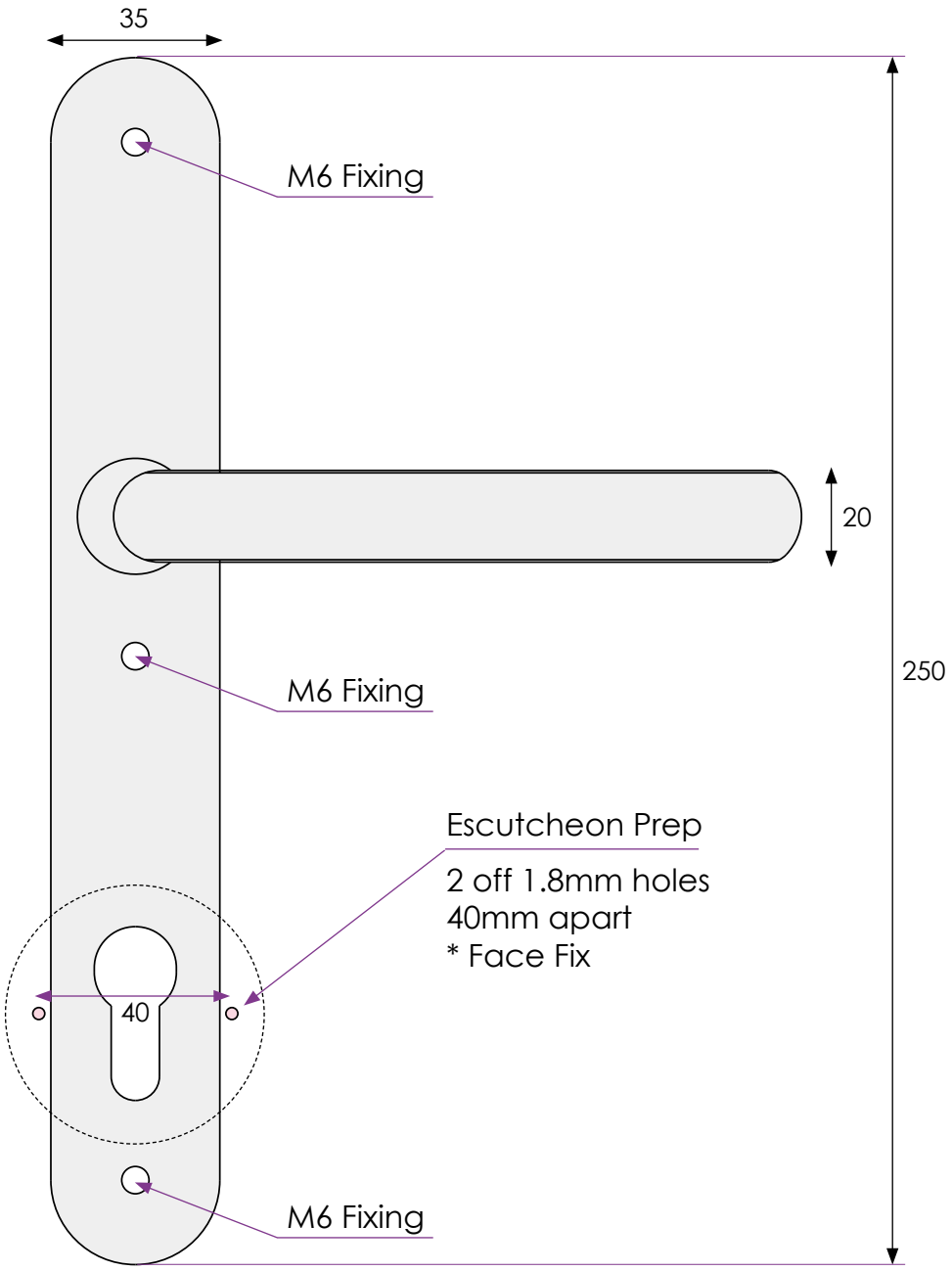
Lever Handle / Escutcheon Prep



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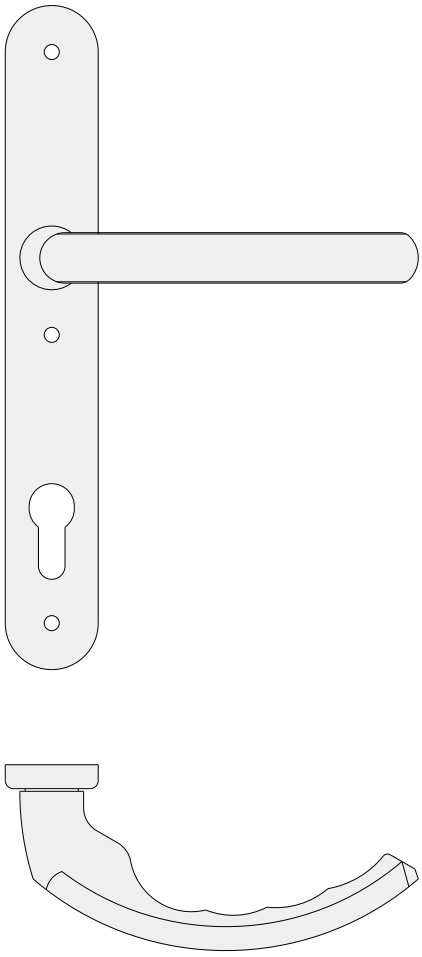
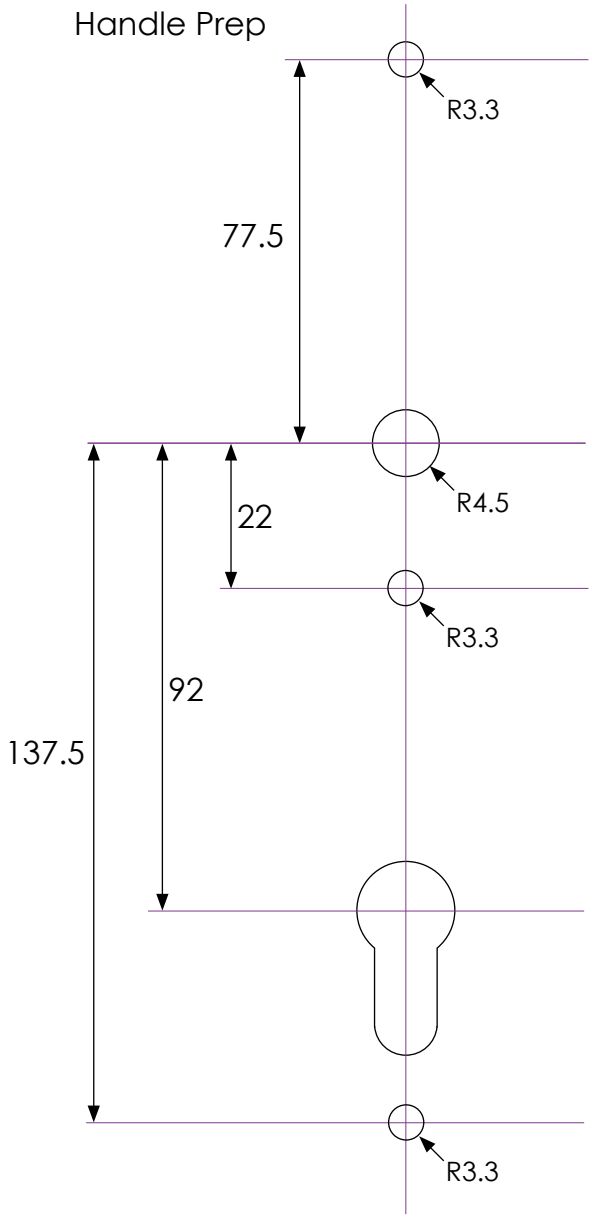
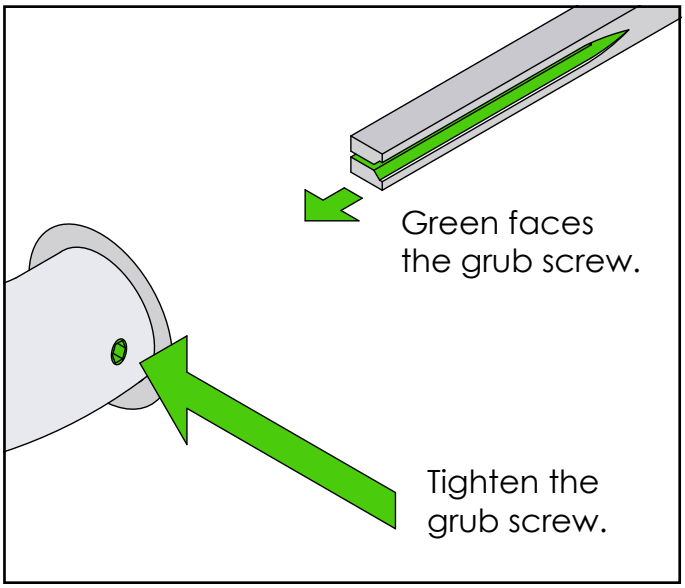


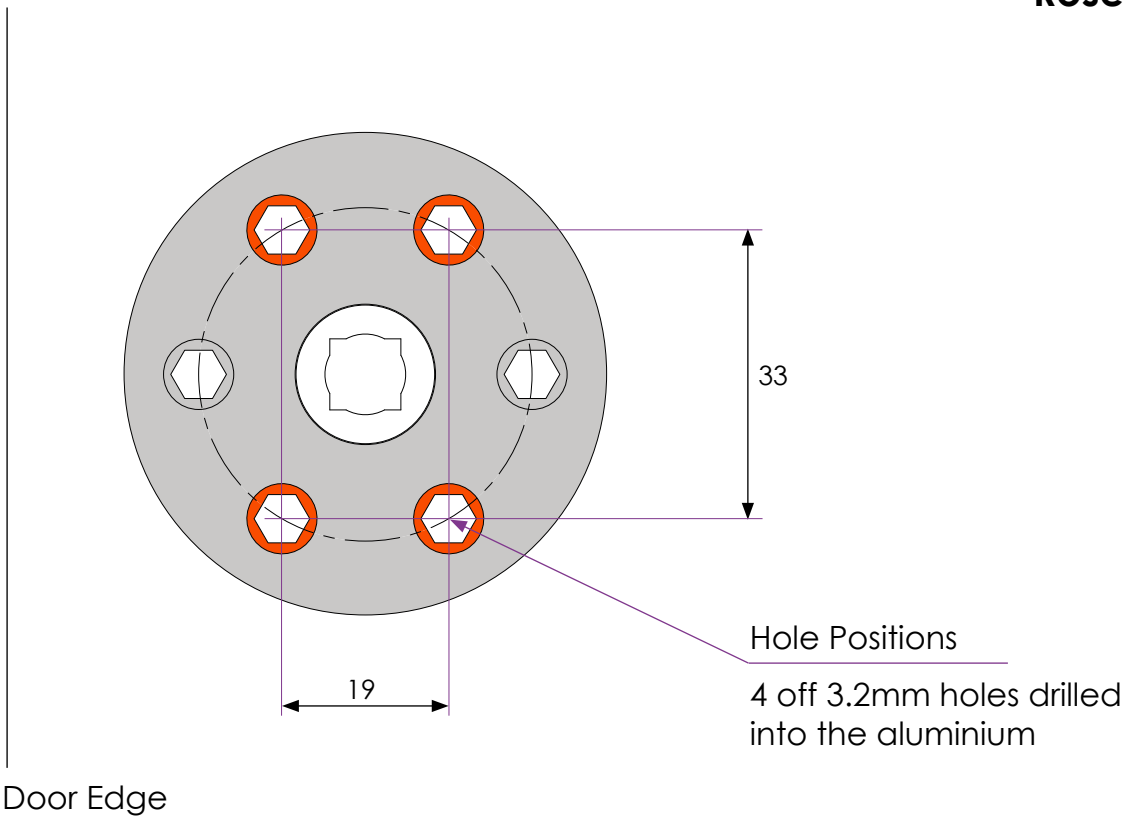


Important fitting Detail



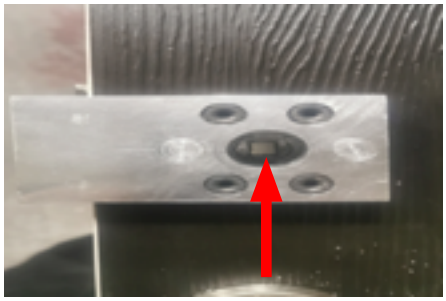
Insert the spindle so the exposed dish (or spindle groove) as shown in green faces the grub screw. Then tighten the grub screw clockwise to 'splay' the spindle and secure the handle in place.

Doing this **external** and **internal** ensures the handles are secured to the spindle.



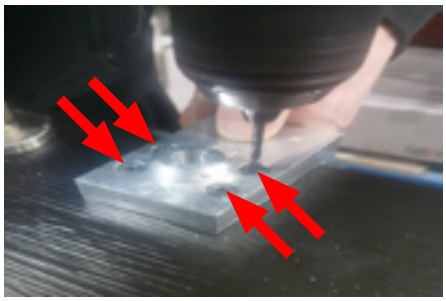
Hole position Jig

Its important the jig lines up with the spindle hole on the door.



Its important the jig lines up with the spindle hole on the door.

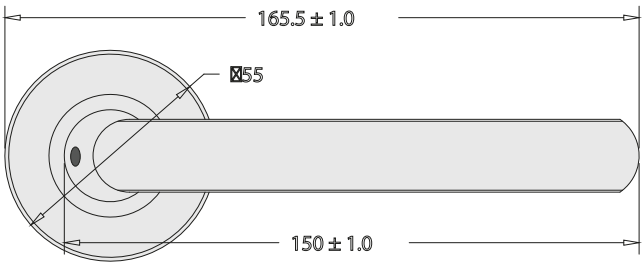
When everything is lined up,place the pin into the jig and spindle hole to lock the position.

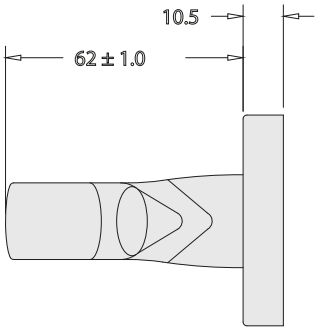


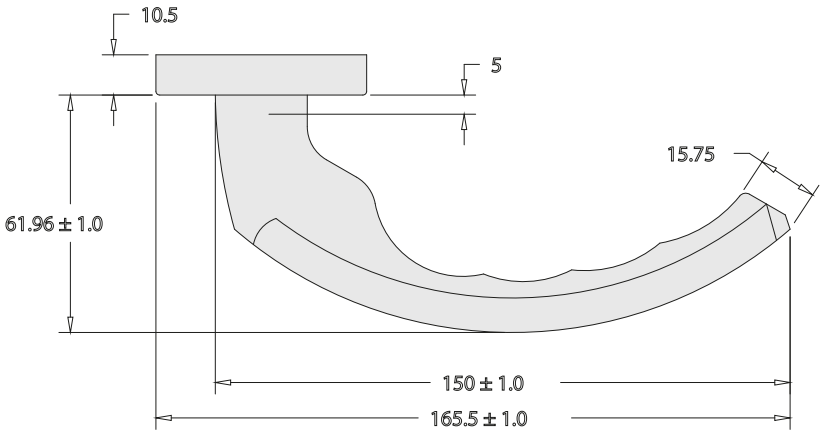
Drill four holes with a 3.2mm drill bit see picture below holding the jig firmly.

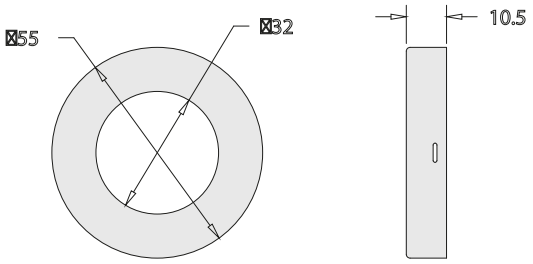
You MUST DRILL INTO THE SKIN AND THE ALUMINIUM REPEAT THE PROCESS ON THE OTHER SIDE OF THE DOOR.

European Rose Handle

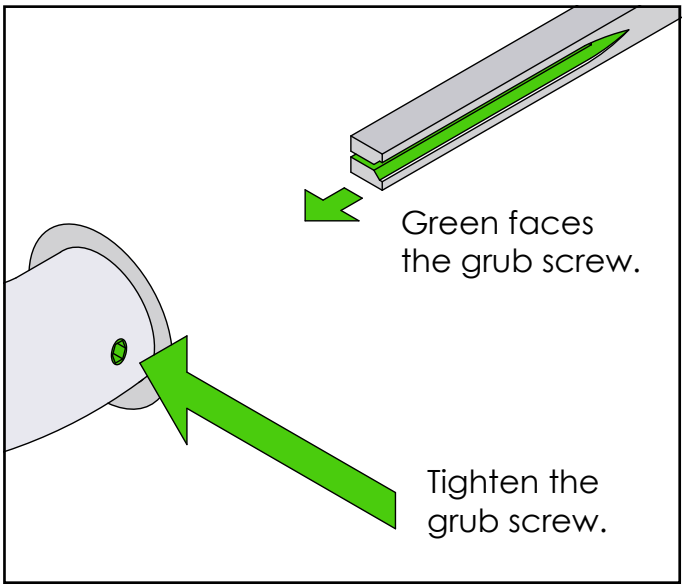








Important fitting Detail



Insert the spindle so the exposed dish (or spindle groove) as shown in green faces the grub screw. Then tighten the grub screw clockwise to 'splay' the spindle and secure the handle in place.

Doing this **external** and **internal** ensures the handles are secured to the spindle.

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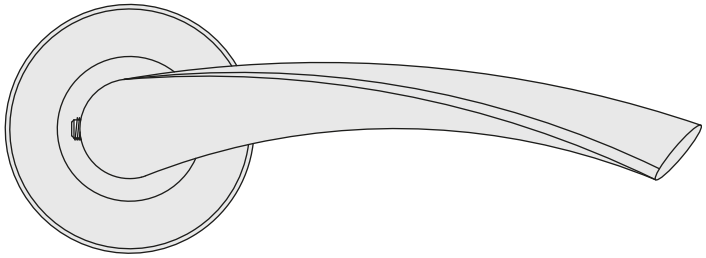
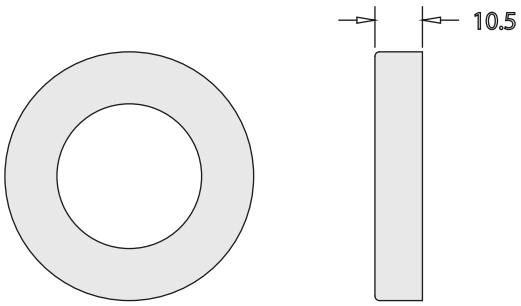
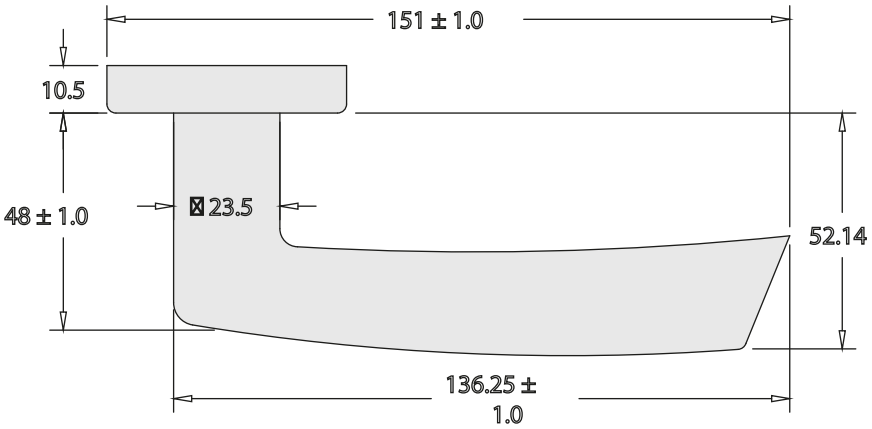
Curved Rose Handle

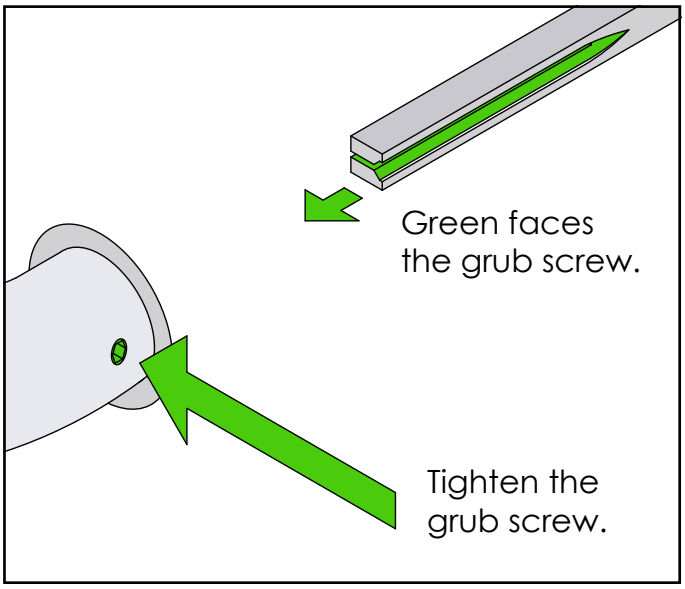




Cover Plate



Important fitting Detail



Insert the spindle so the exposed dish (or spindle groove) as shown in green faces the grub screw. Then tighten the grub screw clockwise to 'splay' the spindle and secure the handle in place.

Doing this **external** and **internal** ensures the handles are secured to the spindle.

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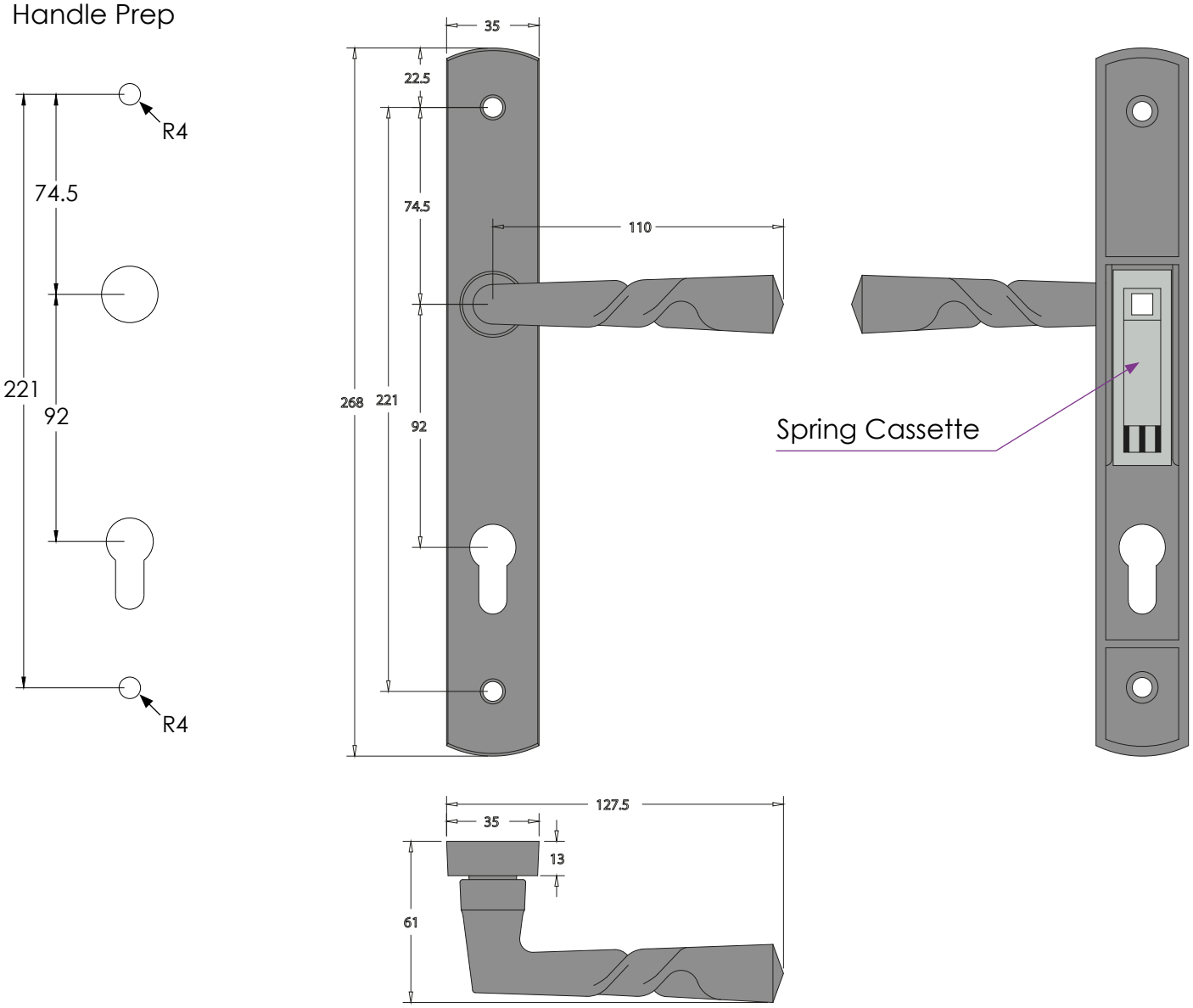
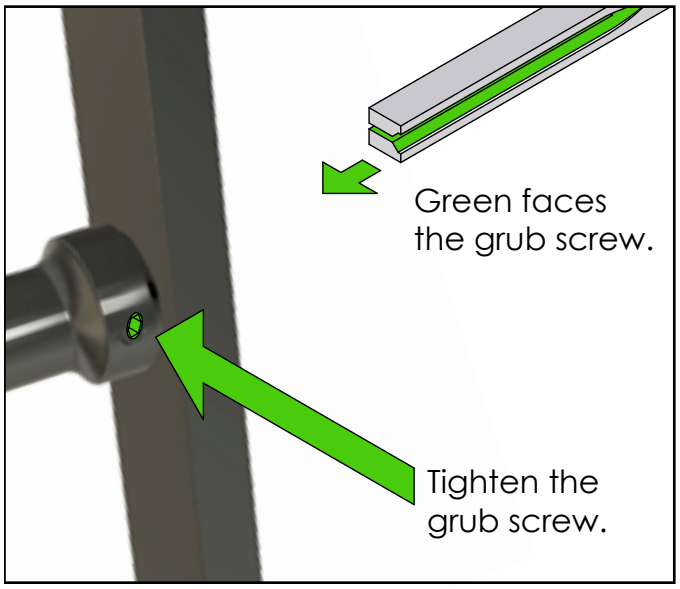
Handle Prep



Important fitting Detail



Insert the spindle so the exposed dish (or spindle groove) as shown in green faces the grub screw. Then tighten the grub screw clockwise to 'splay' the spindle and secure the handle in place.

Doing this **external** and **internal** ensures the handles are secured to the spindle.

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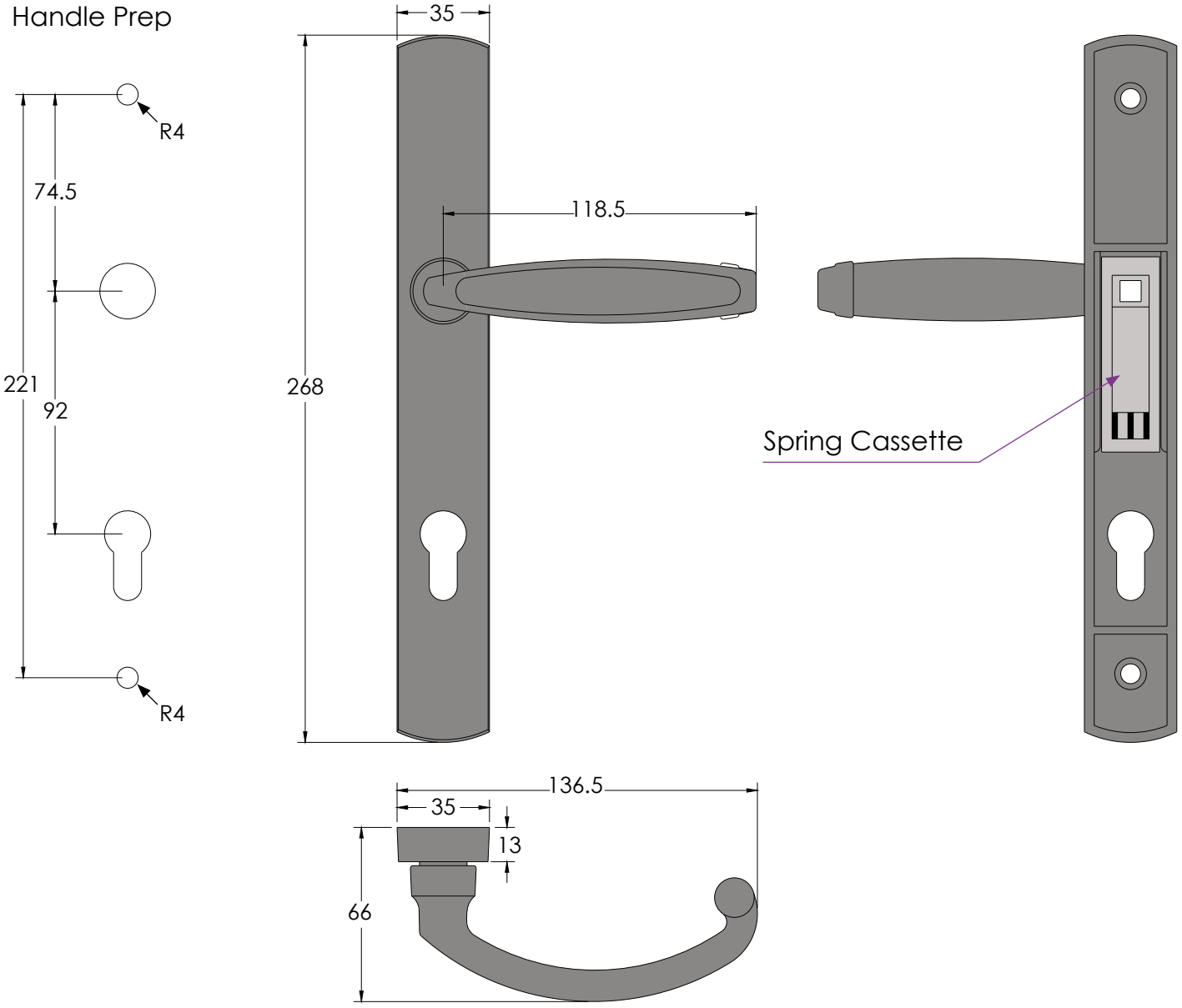
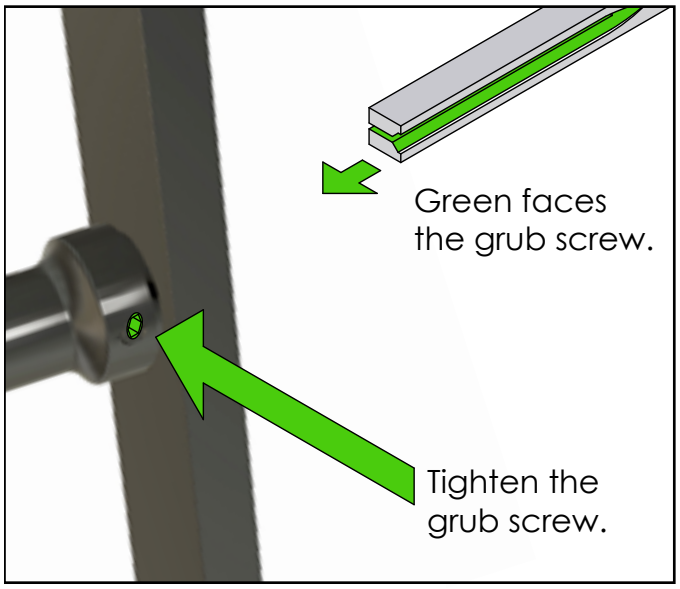
Handle Prep



Important fitting Detail



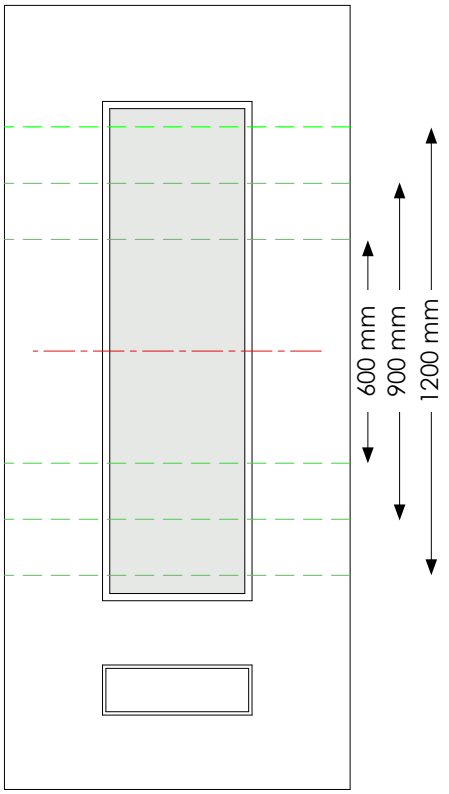
Insert the spindle so the exposed dish (or spindle groove) as shown in green faces the grub screw. Then tighten the grub screw clockwise to 'splay' the spindle and secure the handle in place.

Doing this **external** and **internal** ensures the handles are secured to the spindle.

In Line Bar Handle

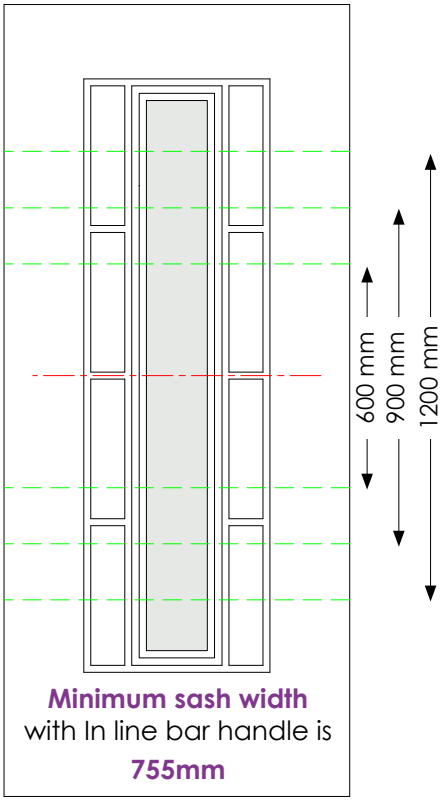
600mm, 900mm and 1200mm Fitting Position

Vogue



Centred with the glass

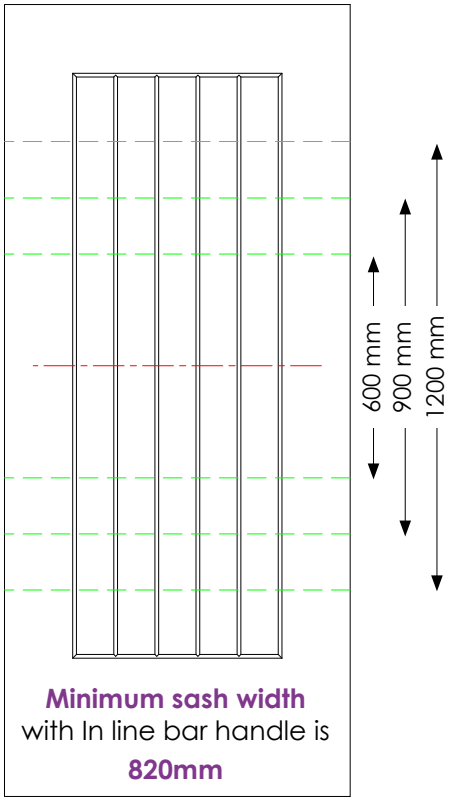
Vermont



Minimum sash width
with In line bar handle is
755mm

Centred with the glass

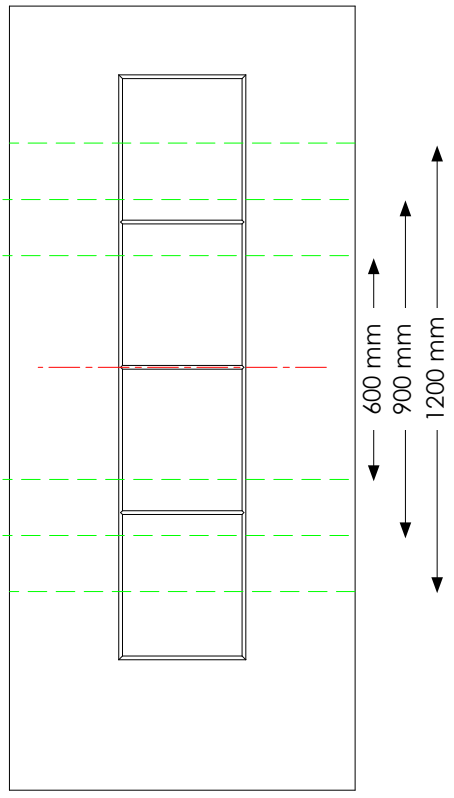
Indiana



Minimum sash width
with In line bar handle is
820mm

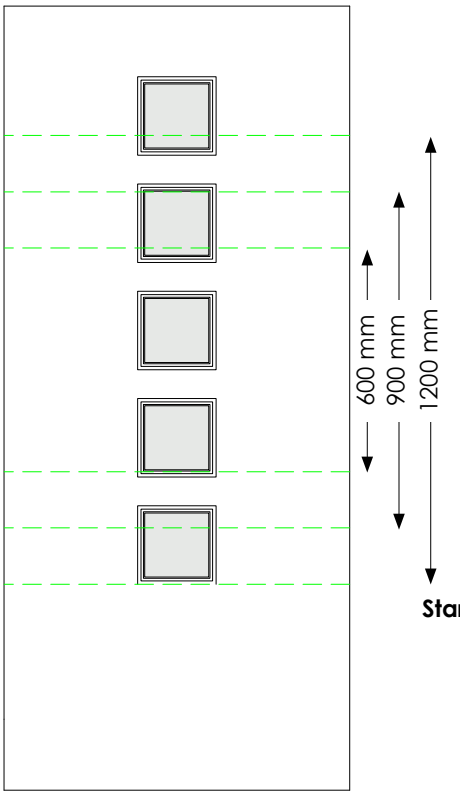
Centred with the mouldings

Dakota



Centred with the mouldings

Manhattan



Starting datum bottom moulding

In line bar handles
are fitted **115mm** from the edge of the door
to the centre of the fixing hole.

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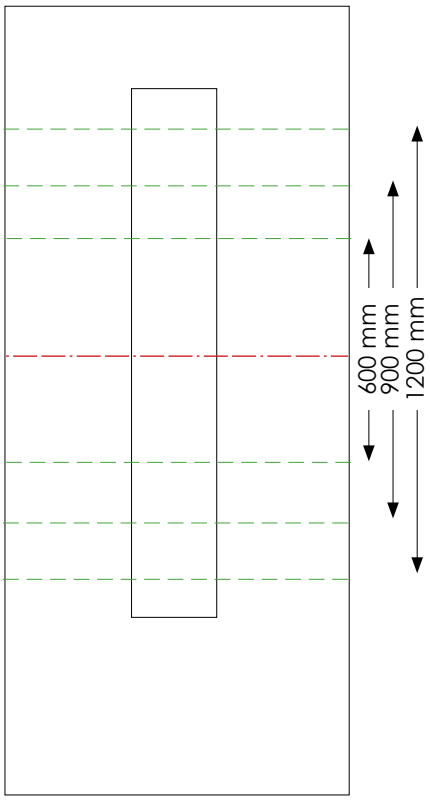
In Line Bar Handle

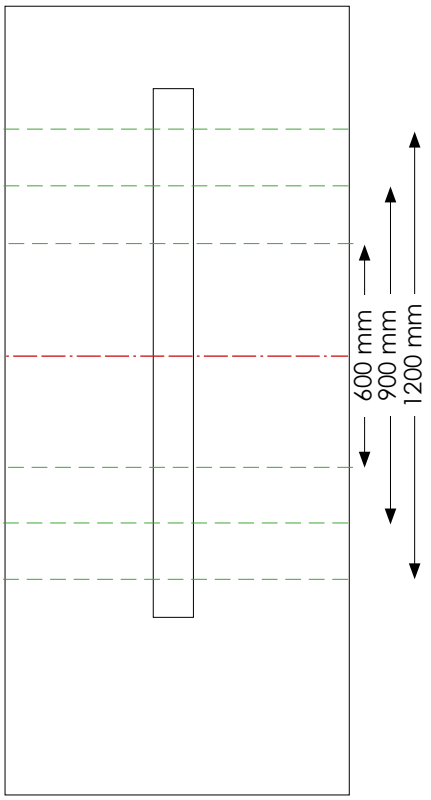
600mm, 900mm and 1200mm Fitting Position

Dune Vision



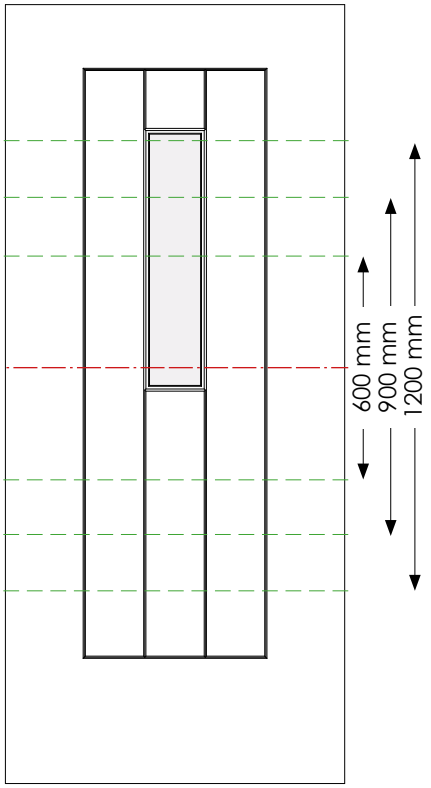
Centred with the glass

Dune Retreat



Centred with the glass

Aspen



Centred with the mouldings

In line bar handles
are fitted **115mm** from the edge of the door
to the centre of the fixing hole.

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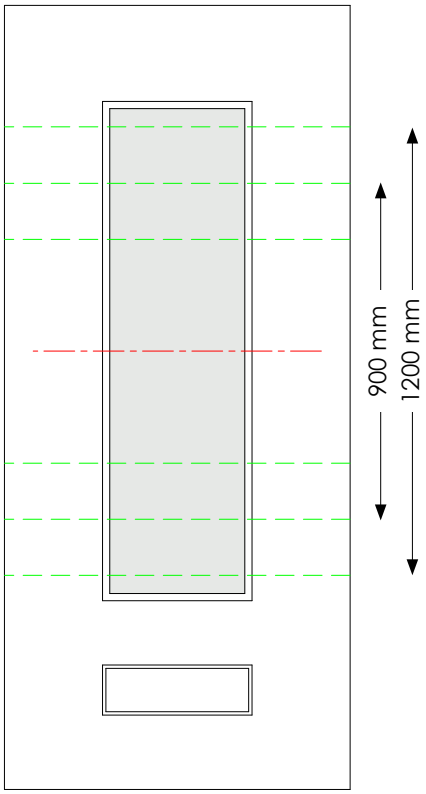
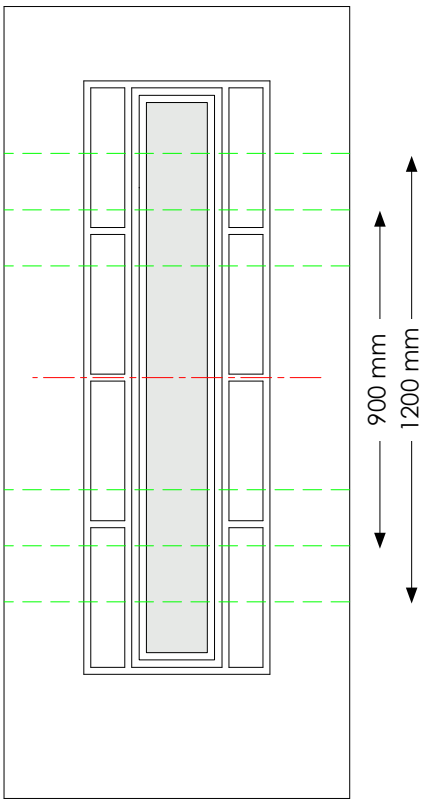
900mm and 1200mm Fitting Position

Vogue



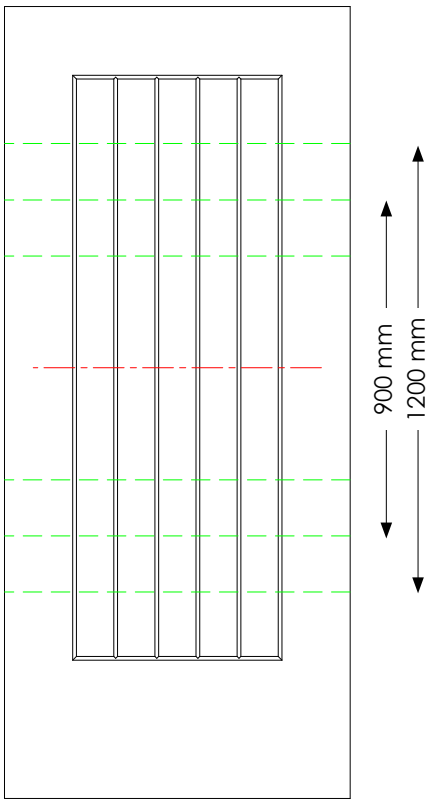
Centred with the glass

Vermont



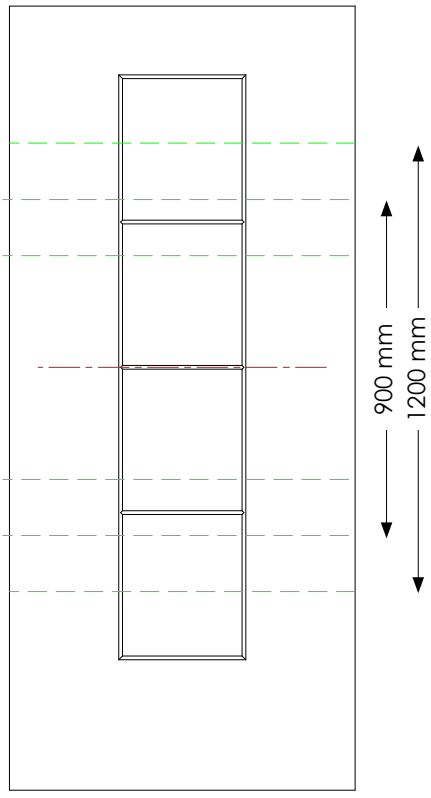
Centred with the glass

Indiana



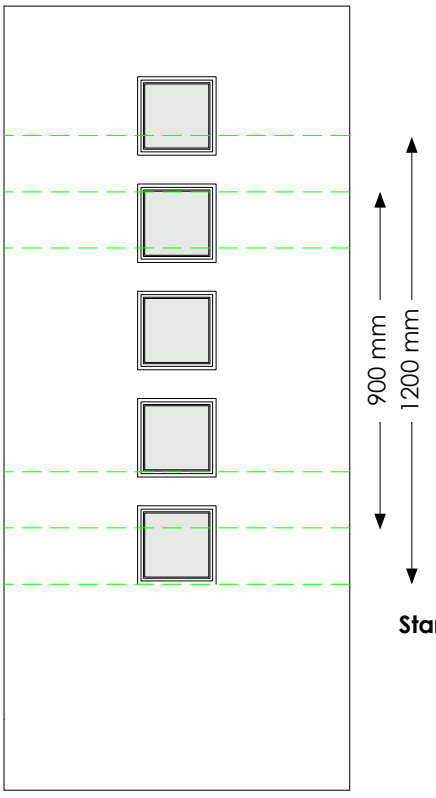
Centred with the mouldings

Dakota



Centred with the mouldings

Manhattan



Starting datum bottom moulding

Off set bar handles
are fitted **45mm** from the edge of the door
to the centre of the fixing hole.

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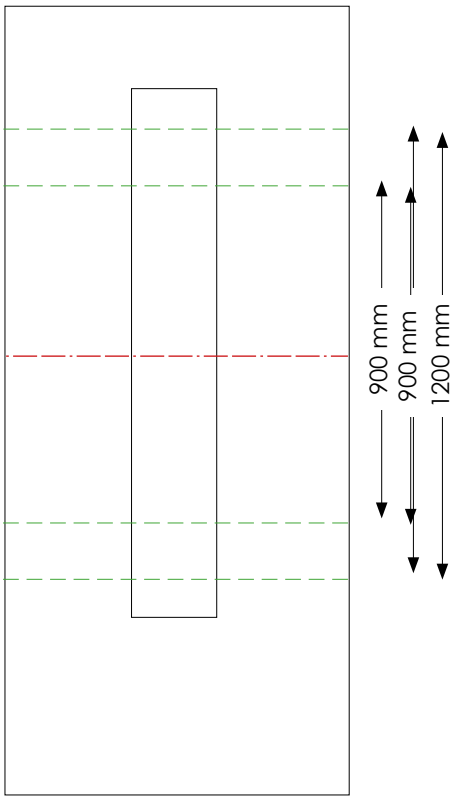
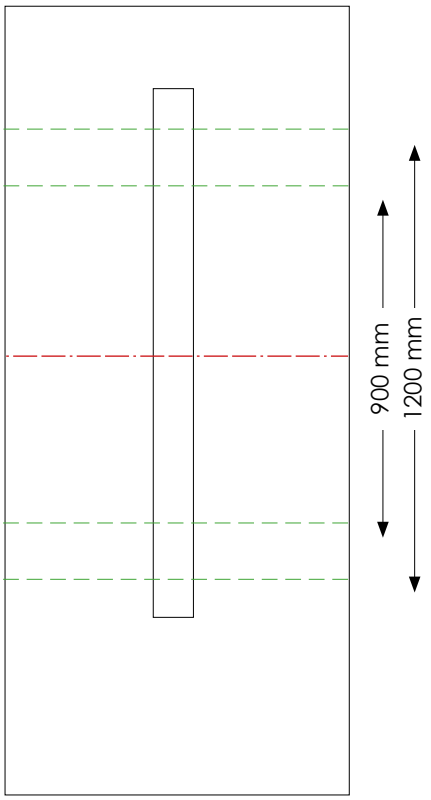
900mm and 1200mm Fitting Position

Dune Vision



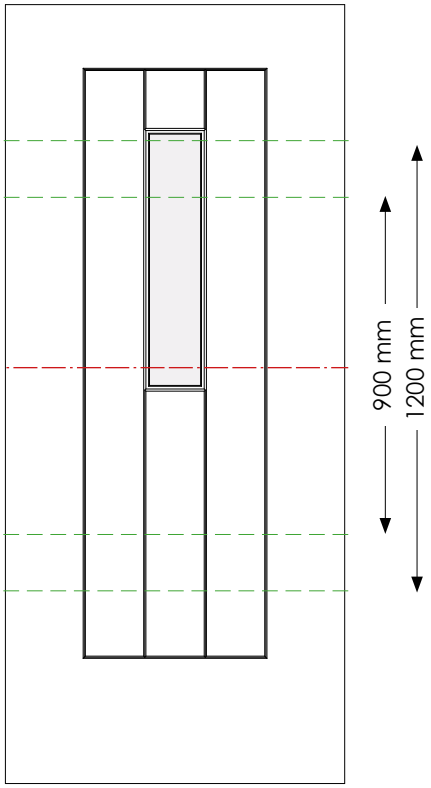
Centred with the glass

Dune Retreat



Centred with the glass

Aspen

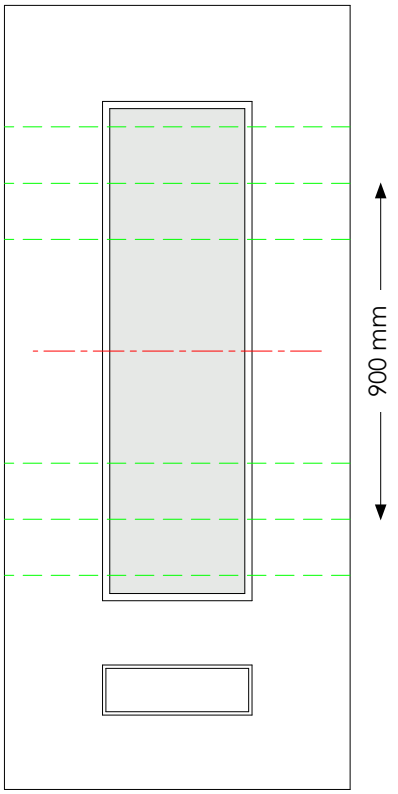


Centred with the mouldings

Off set bar handles
are fitted **45mm** from the edge of the door
to the centre of the fixing hole.

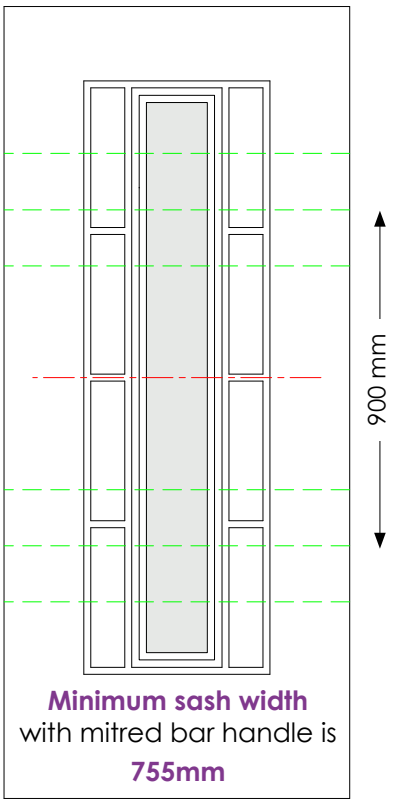
900mm Fitting Position

Vogue



Centred with the glass

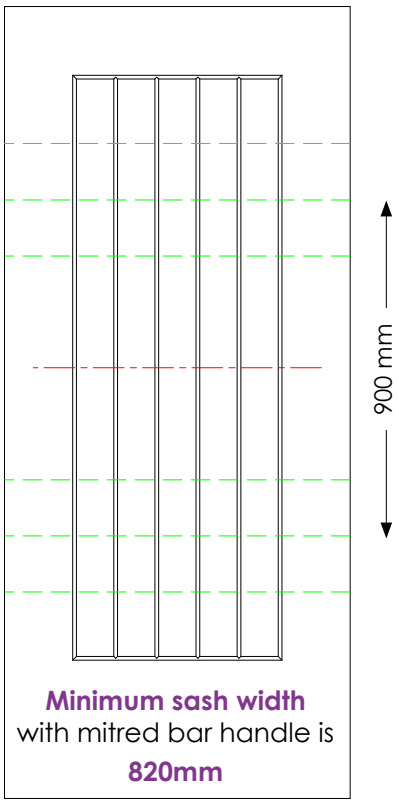
Vermont



Minimum sash width
with mitred bar handle is
755mm

Centred with the glass

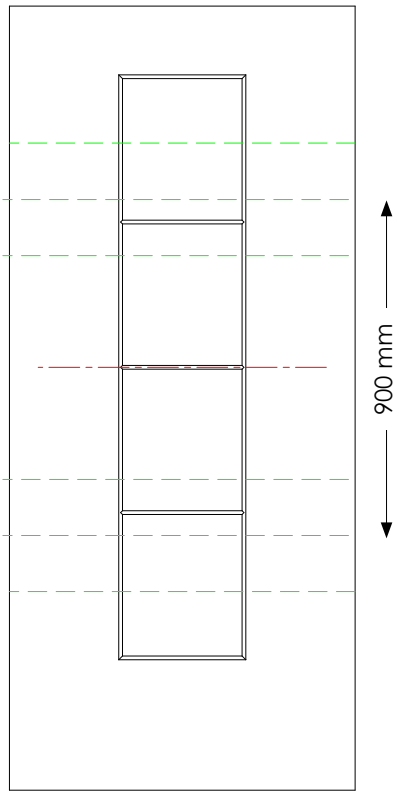
Indiana



Minimum sash width
with mitred bar handle is
820mm

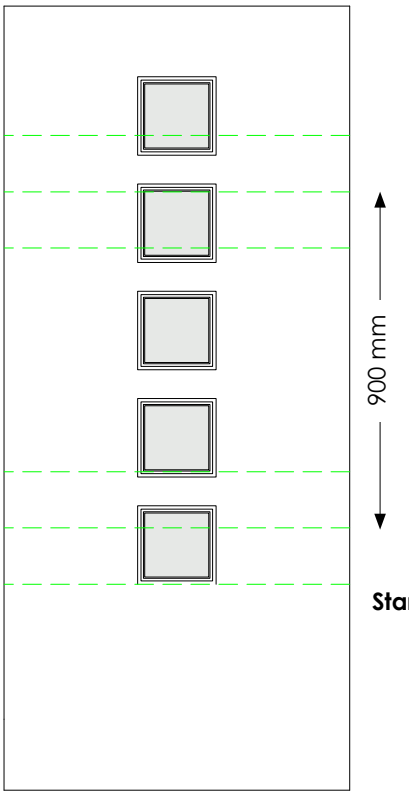
Centred with the mouldings

Dakota



Centred with the mouldings

Manhattan



Starting datum bottom moulding

Mitred bar handles
are fitted **115mm** from the edge of the door
to the centre of the fixing hole.

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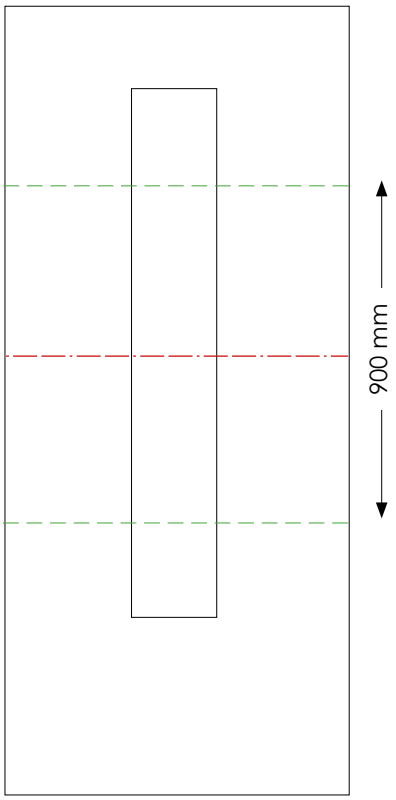
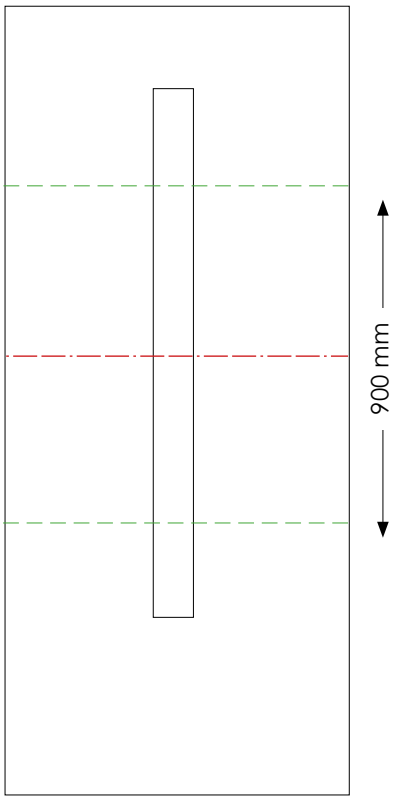
900mm Fitting Position

Dune Vision



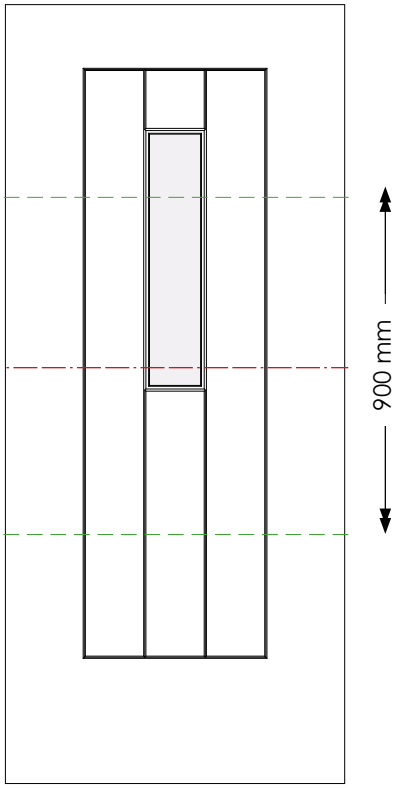
Centred with the glass

Dune Retreat



Centred with the glass

Aspen



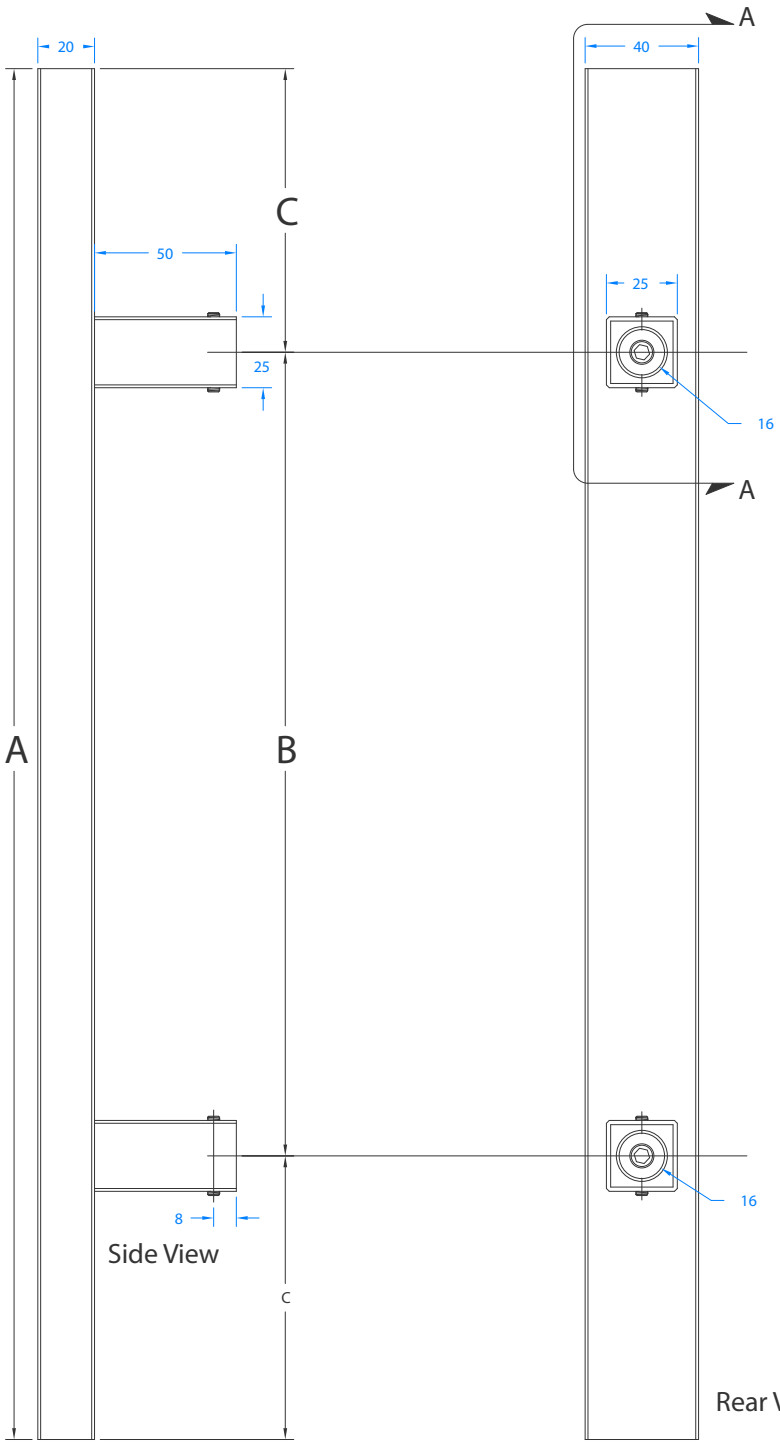
Centred with the mouldings

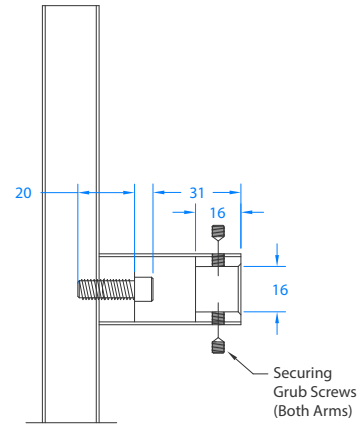
Mitred bar handles
are fitted **115mm** from the edge of the door
to the centre of the fixing hole.

Square Bar1200mm /Square Bar 900mm

SIZE:1200 Bar Handle
A=1200mm
B=1000mm
C=100mm

SIZE:900 Bar Handle
A=900mm
B=700mm
C=100mm





Section A-A

Fitting Instructions

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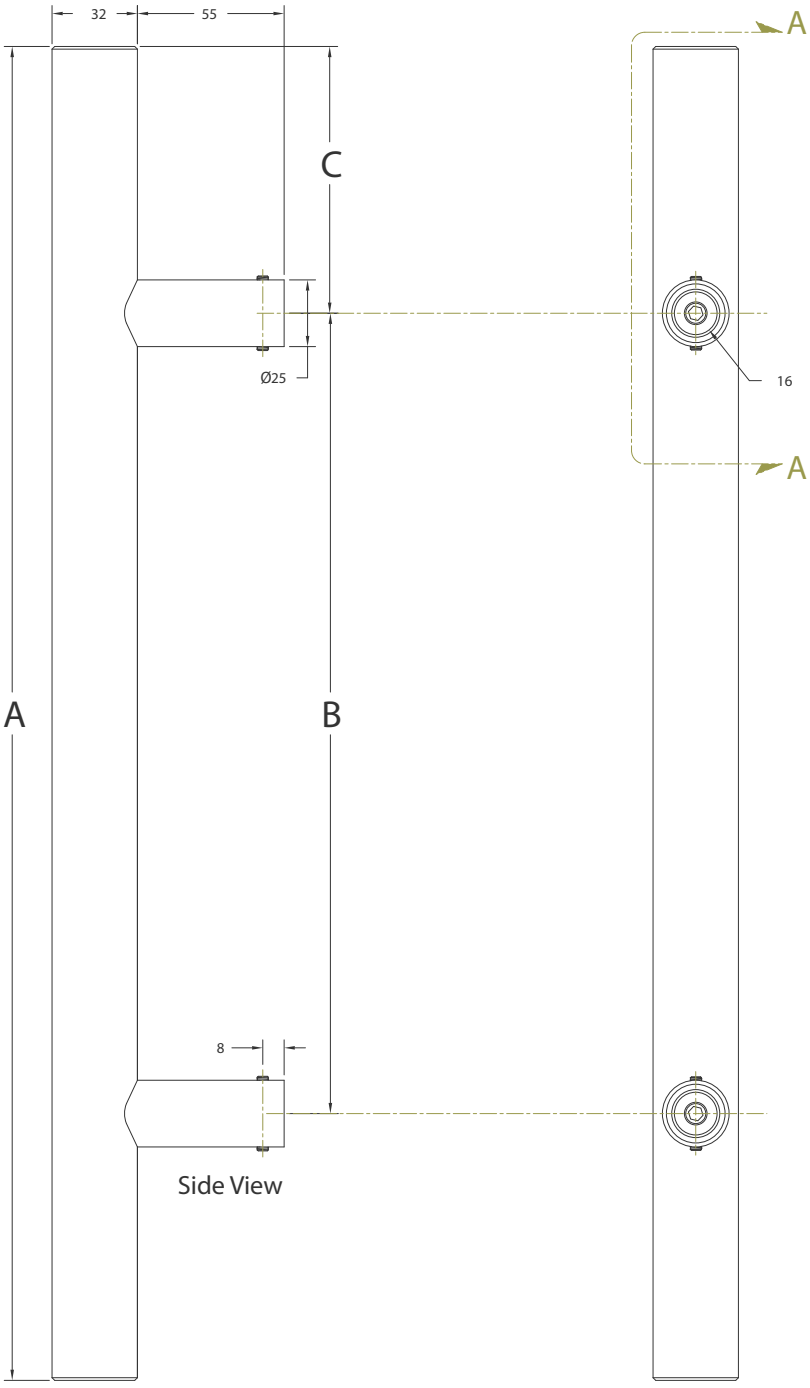
Round Bar 600mm, 900mm and 1200mm

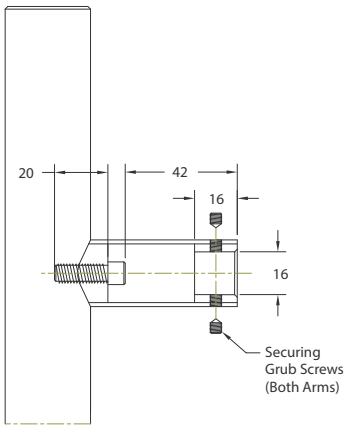
SIZE:600mm
A=600mm
B=400mm
C=100mm

SIZE:900mm
A=900mm
B=700mm
C=100mm

SIZE:1200mm
A=1200mm
B=1000mm
C=100mm



Side View



Section A-A

Fitting Instructions

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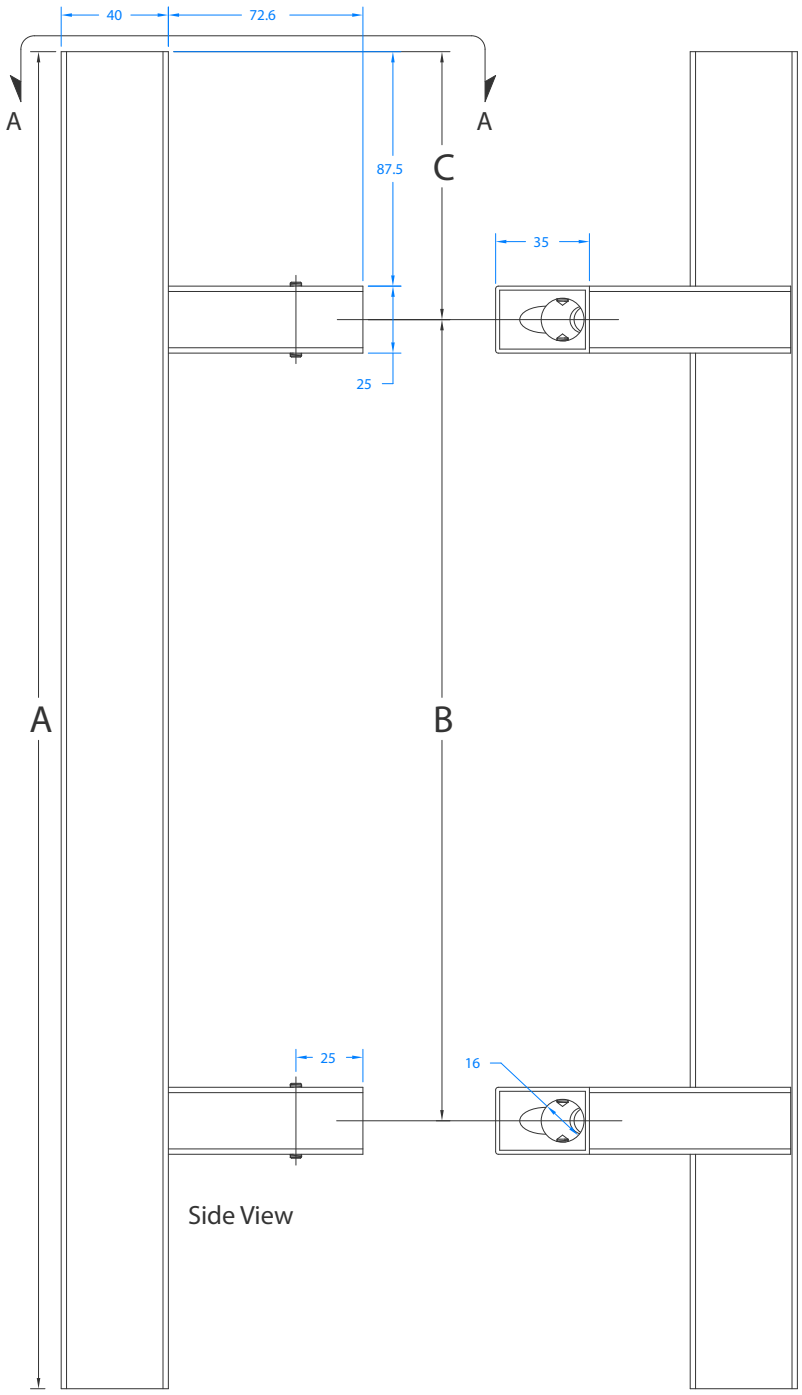
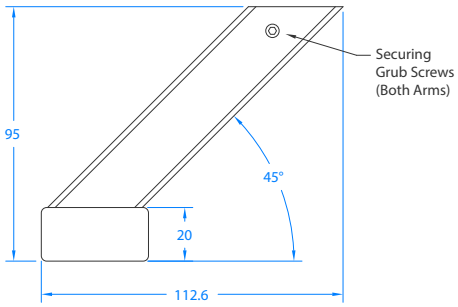
Square Bar 1200mm (Offset)

SIZE:
A=1200mm
B=1000mm
C=100mm



Side View



Section A-A

Fitting Instructions

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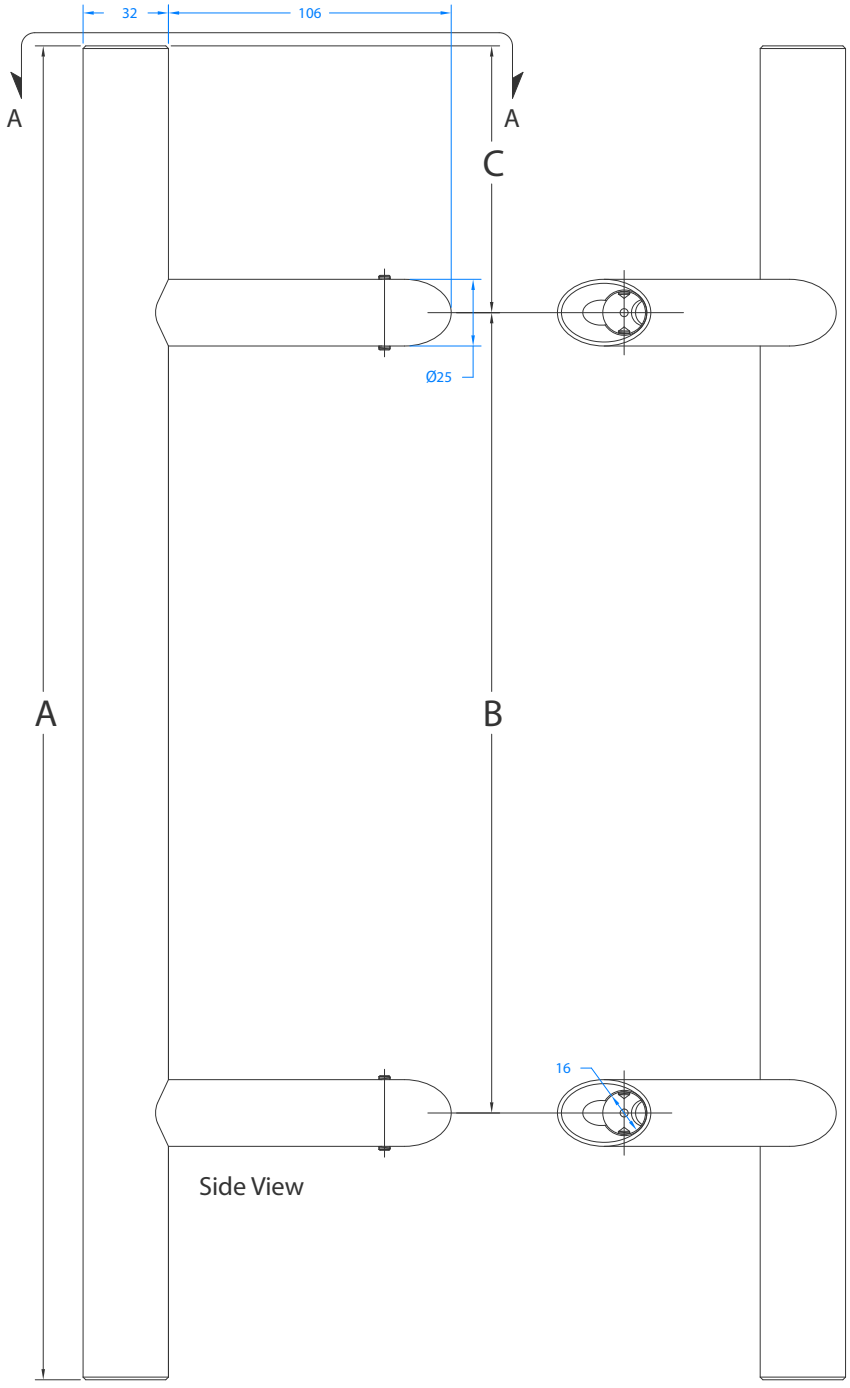
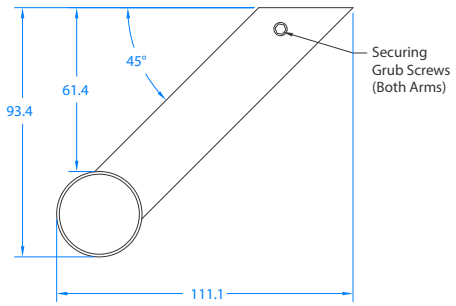
Round Bar 1200mm (Offset)

SIZE:
A=1200mm
B=1000mm
C=100mm



Side View



Section A-A

Fitting Instructions

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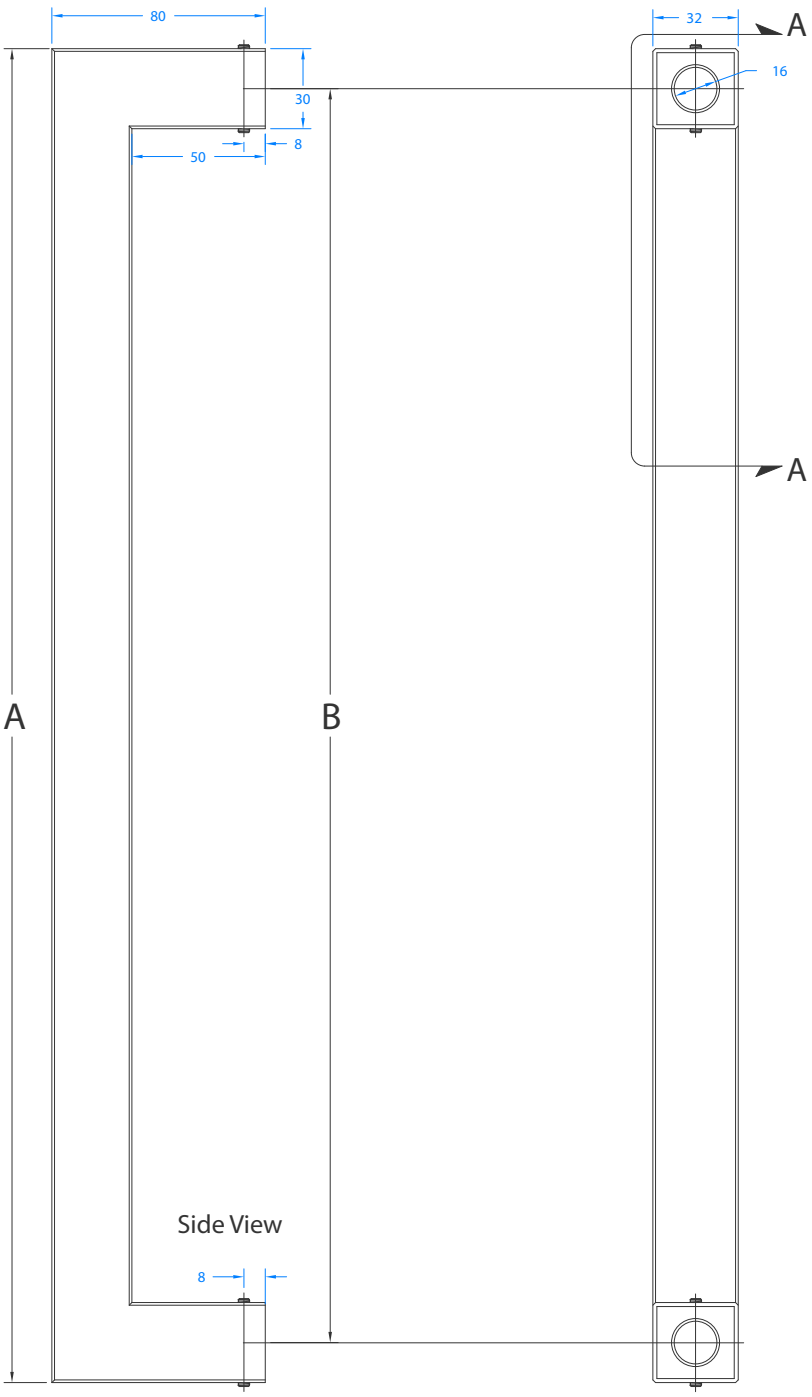
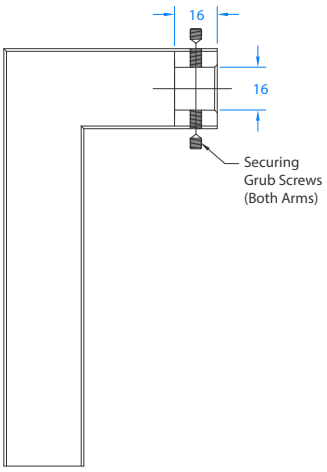
Mitre Bar 900mm

SIZE:
A=930mm
B= 900mm





Section A-A

Fitting Instructions

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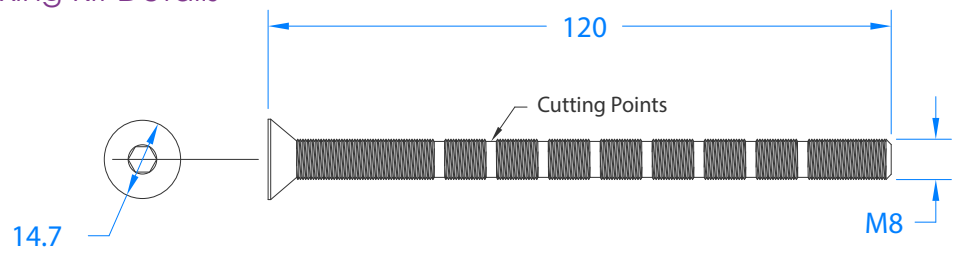
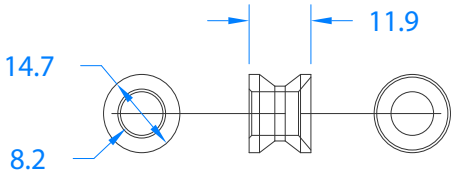
Fixing Kit Details



2 x FX-BF-M8X120-SSS

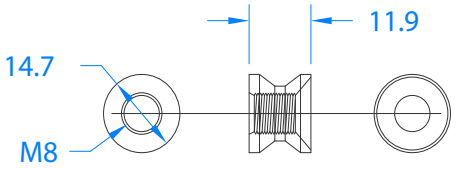
M8 Socket Head Fixings Bolt



2 x FX-BF-SB

Brass Ferrule

(Non Threaded)

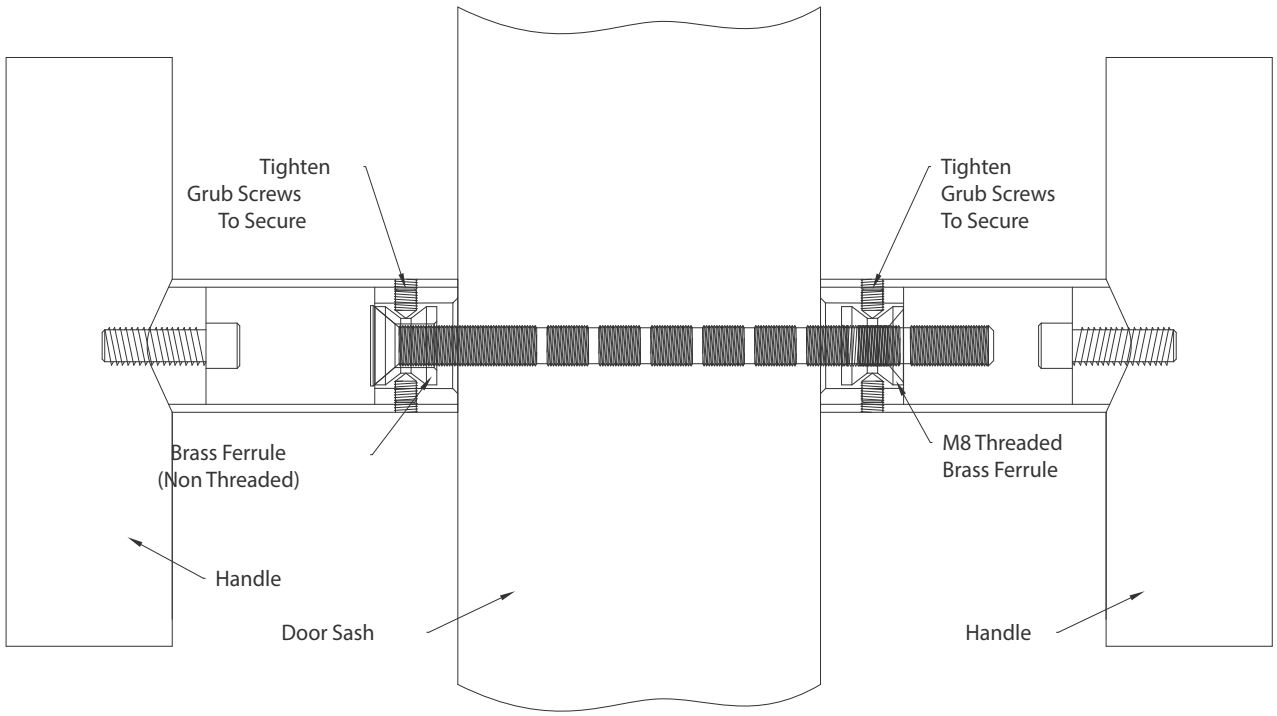


2 x FX-BFM8-SB

Threaded Brass Ferrule

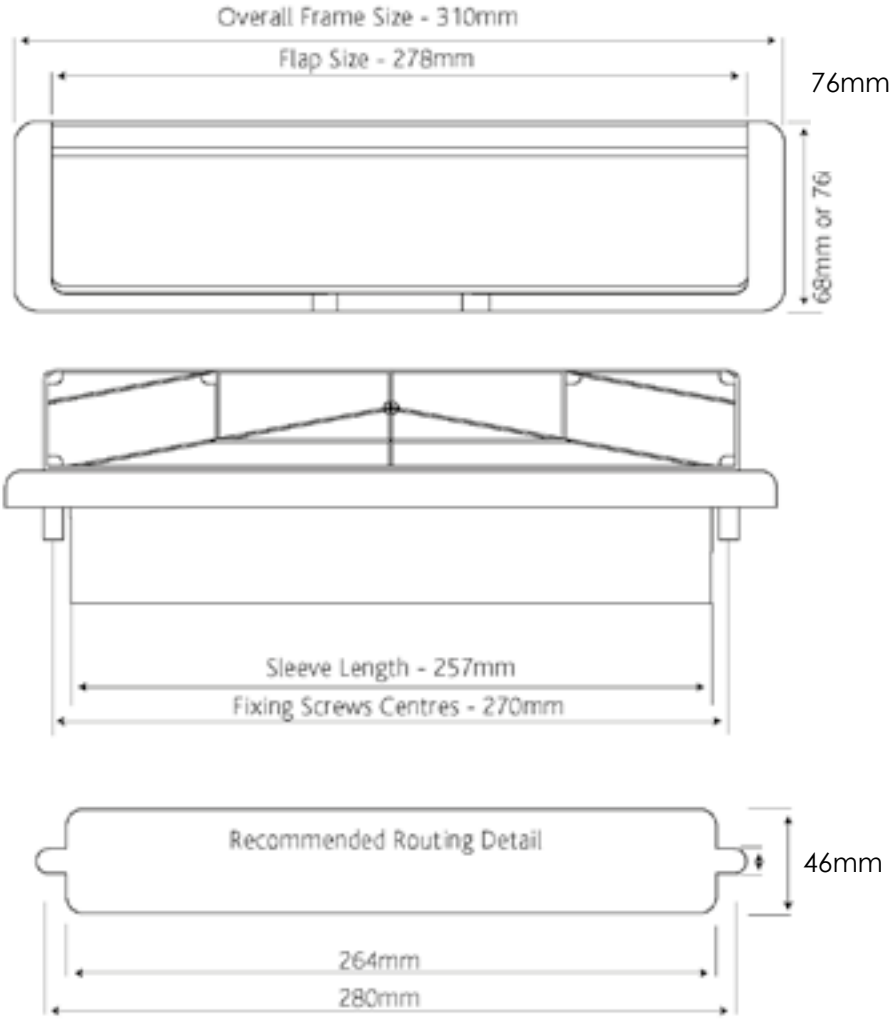
Fitting Instructions

Slide the brass ferrule over the fixing bolt so the counter sunk head fits into the counter sink of the ferrule then from the inside of the door, fit Nylon or Meal washer if required then push the bolt through the door, fit a washer if required then screw the threaded M8 ferrule to the fixing bolt from the outside, then fit the handles tightening the grub screws to secure.



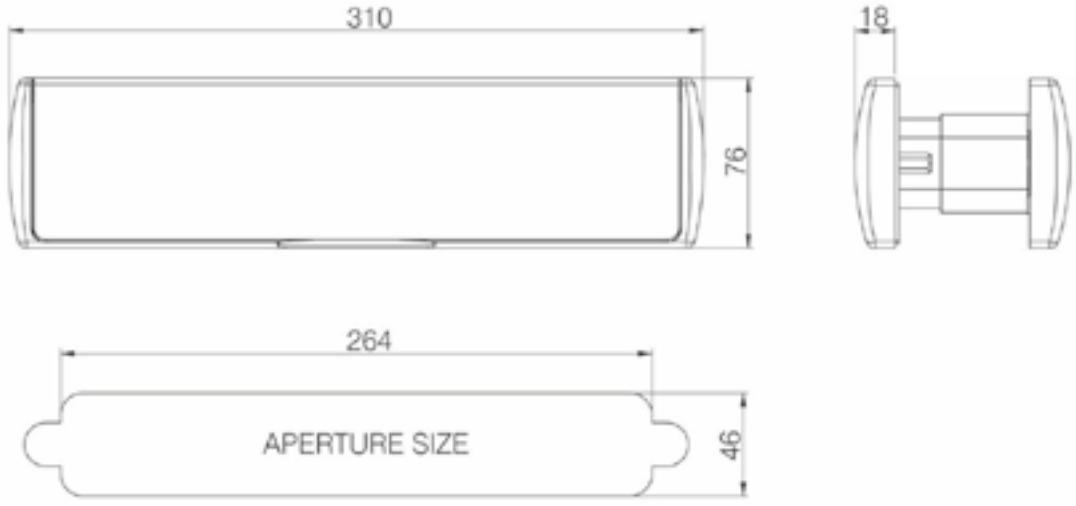
Standard Letterplate

Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)
Flap cycle tested to 30,000 cycles Conforms to the requirements of BS EN 13724: 2002
Zinc construction with hardex coating.



Stainless Steel Letterplate

Cycle tested to 20,000 cycles
Corrosion tested in excess of 1,000 hours based on BS EN 1670
304 stainless steel construction



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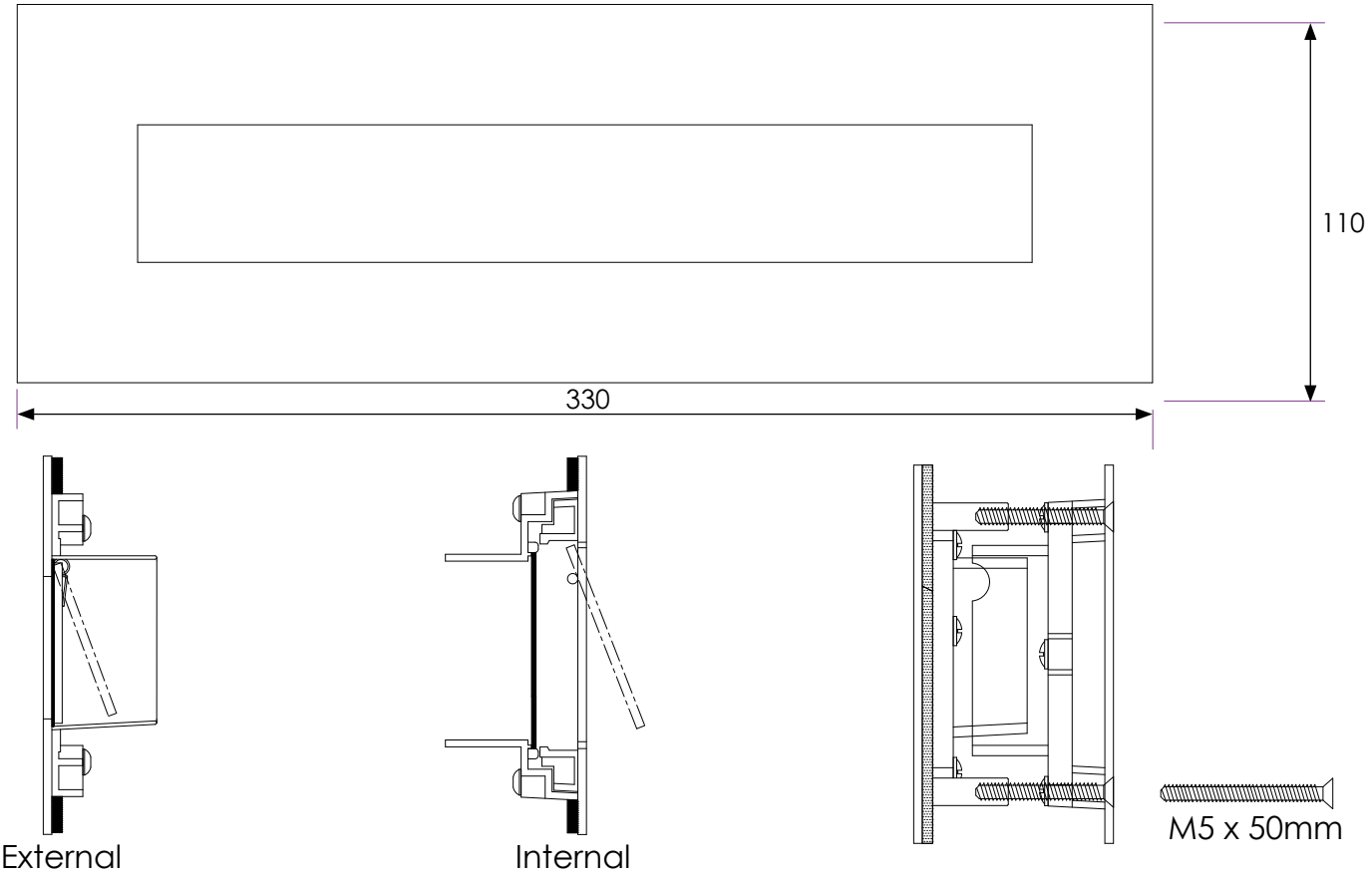
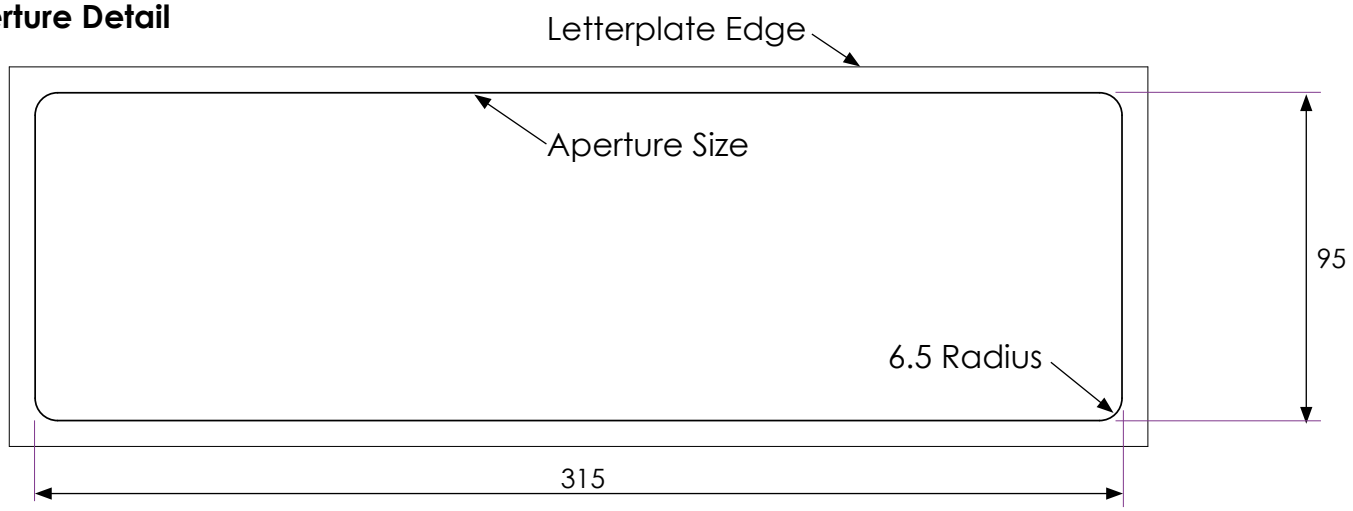
Stainless Steel Contemporary Letterplate

- Achieved 'Best in Class' BS6375-1 Weather Test results against air, wind and water.
  Weather Test : Air Permeability: Class 4, Water Tightness: Class A9, Wind Resistance: Class 5
- Integral gaskets, brushes and telescopic liner for enhanced weather and draught protection.
- Built-in inner security flap helps prevent 'fishing'.
- Manufactured from 316 Grade Stainless Steel.
- Ideal for use where corrosion levels are high such as coastal environments.



Aperture Detail



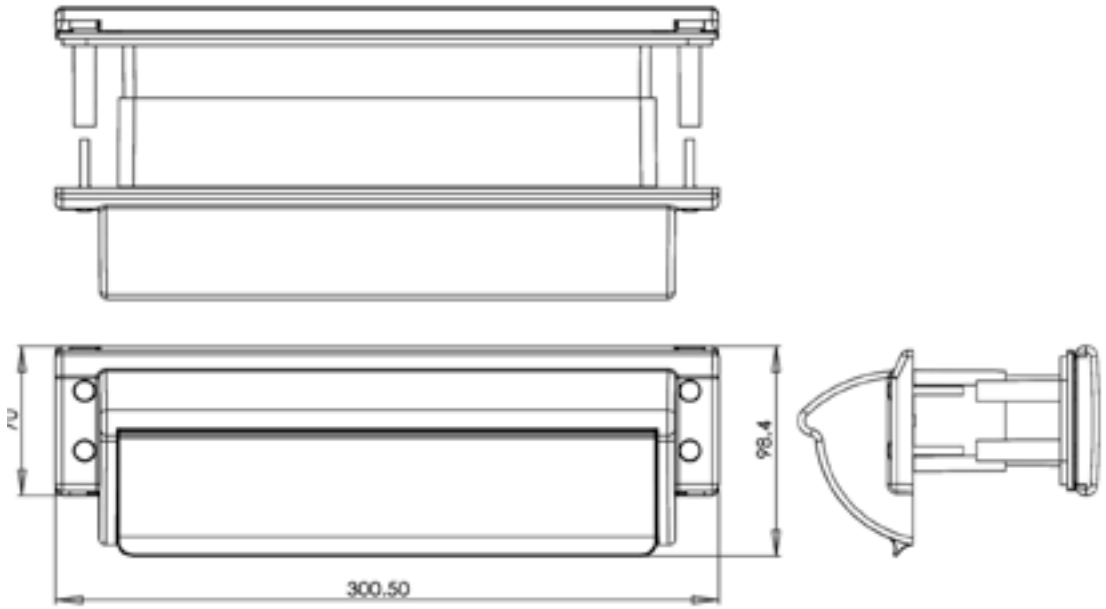
Fitting in the bottom rail

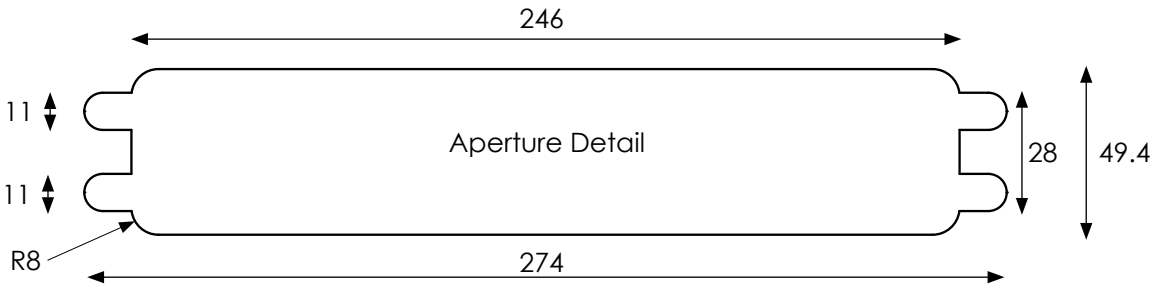
Check online using the portal as it is sash height dependant.

Not available under the glass on the Georga, the Montana and the Newark.

TS008 Letterplate

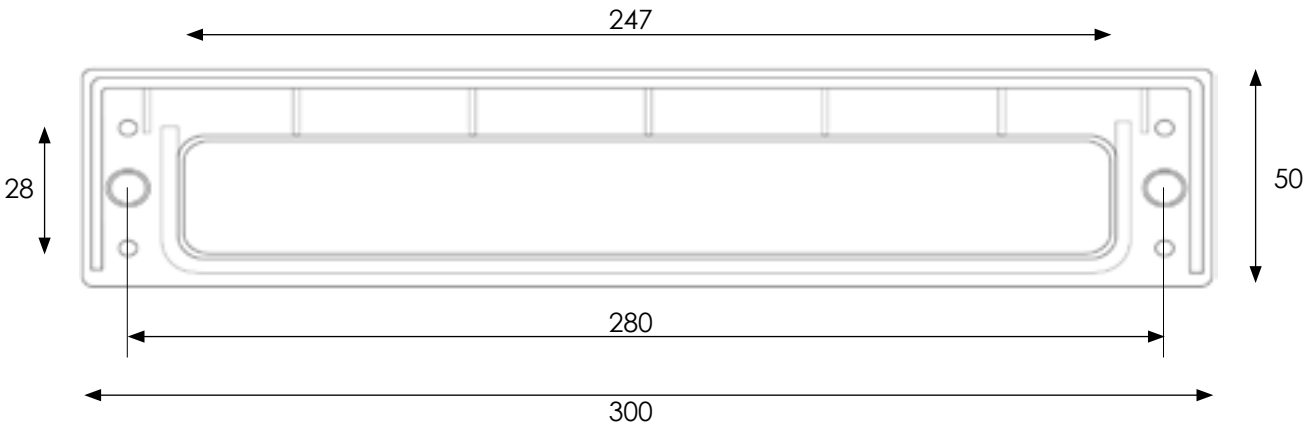
Cycle tested to 20,000 cycles
Corrosion tested in excess of 1,000 hours based on BS EN 1670
White PVC-U internal
304 stainless steel construction external
Concealed hinge mechanism for attack resistance





Sideframe Letterplate

180 Opening
Black plastic frame
Aperture size 247mm x 28mm



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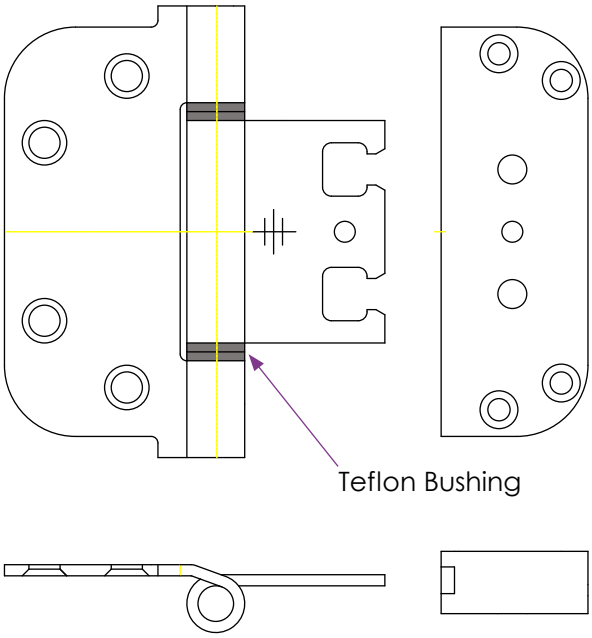
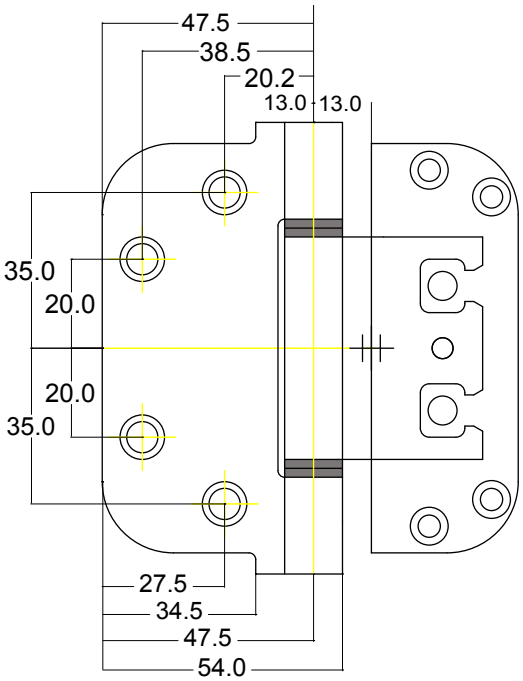
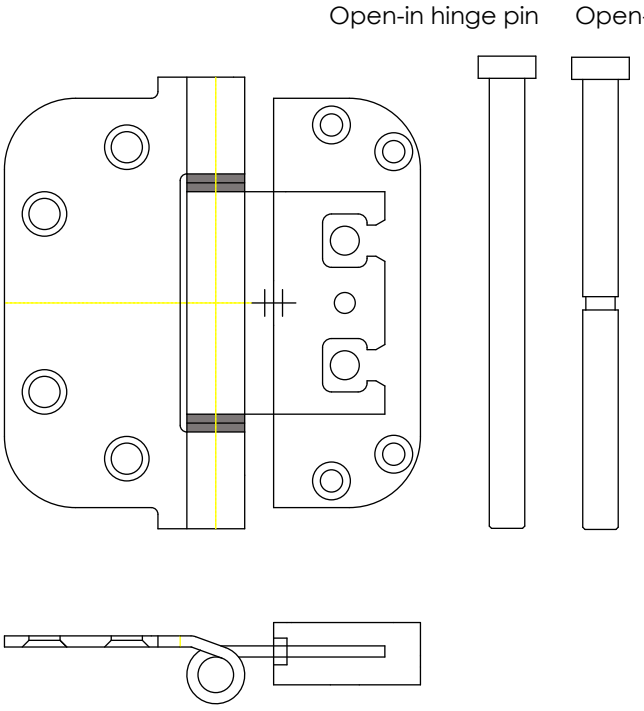
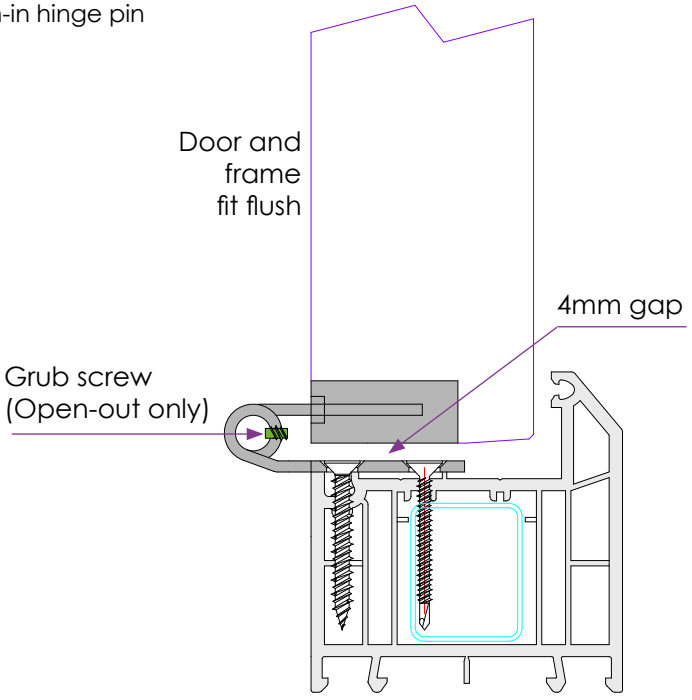
Rockdoor Standard Hinge

Adustable using a 4mm allen key.
Up/Down +/-3mm In/Out +/-2mm Left/Right +/-2mm









Open-out Doors

Open-out doors are fitted with concealed grub screws. The grub screws engage into a groove in the hinge pin; this stops the hinge pin from being removed. The grub screws are only accessible when the door is in the open position.

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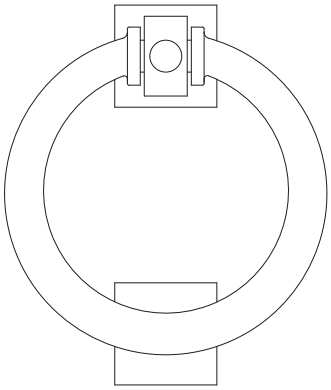
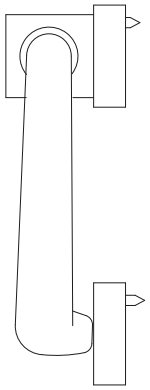
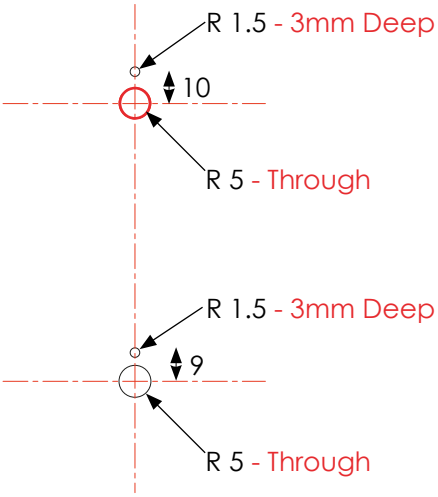
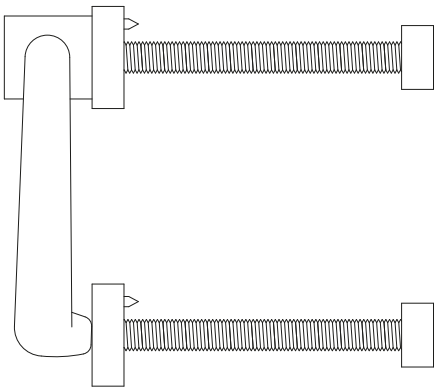
Stainless Steel Bull Ring Knocker



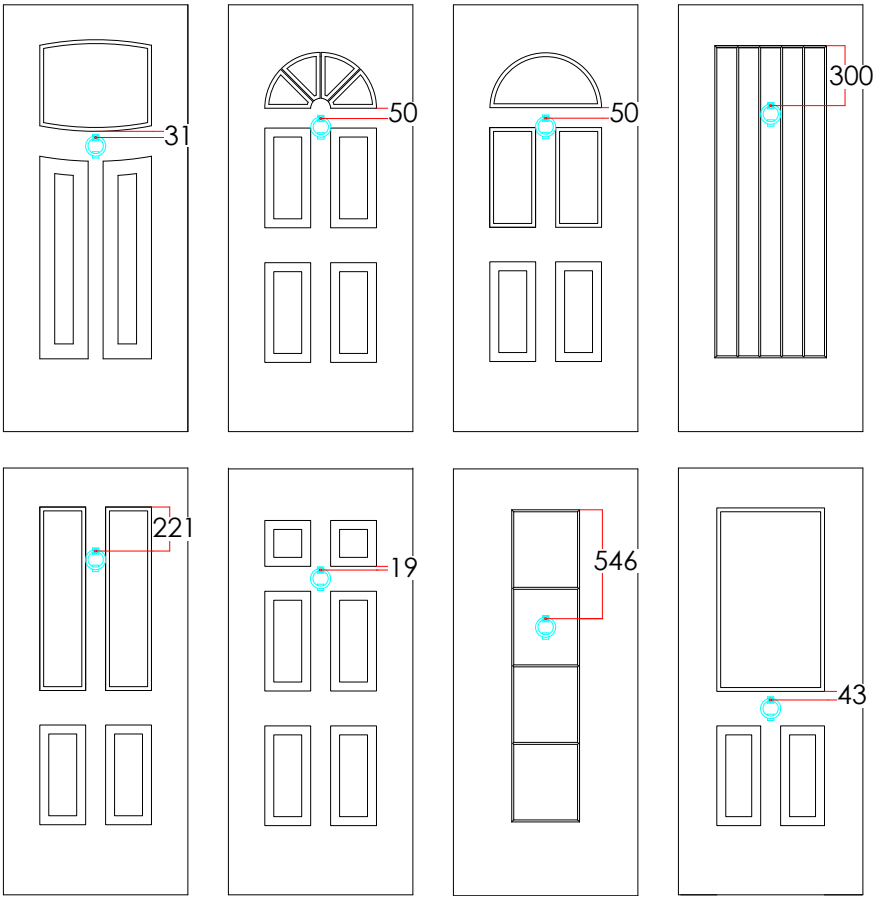




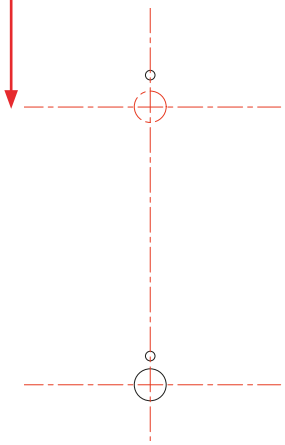
Bolt through fixing



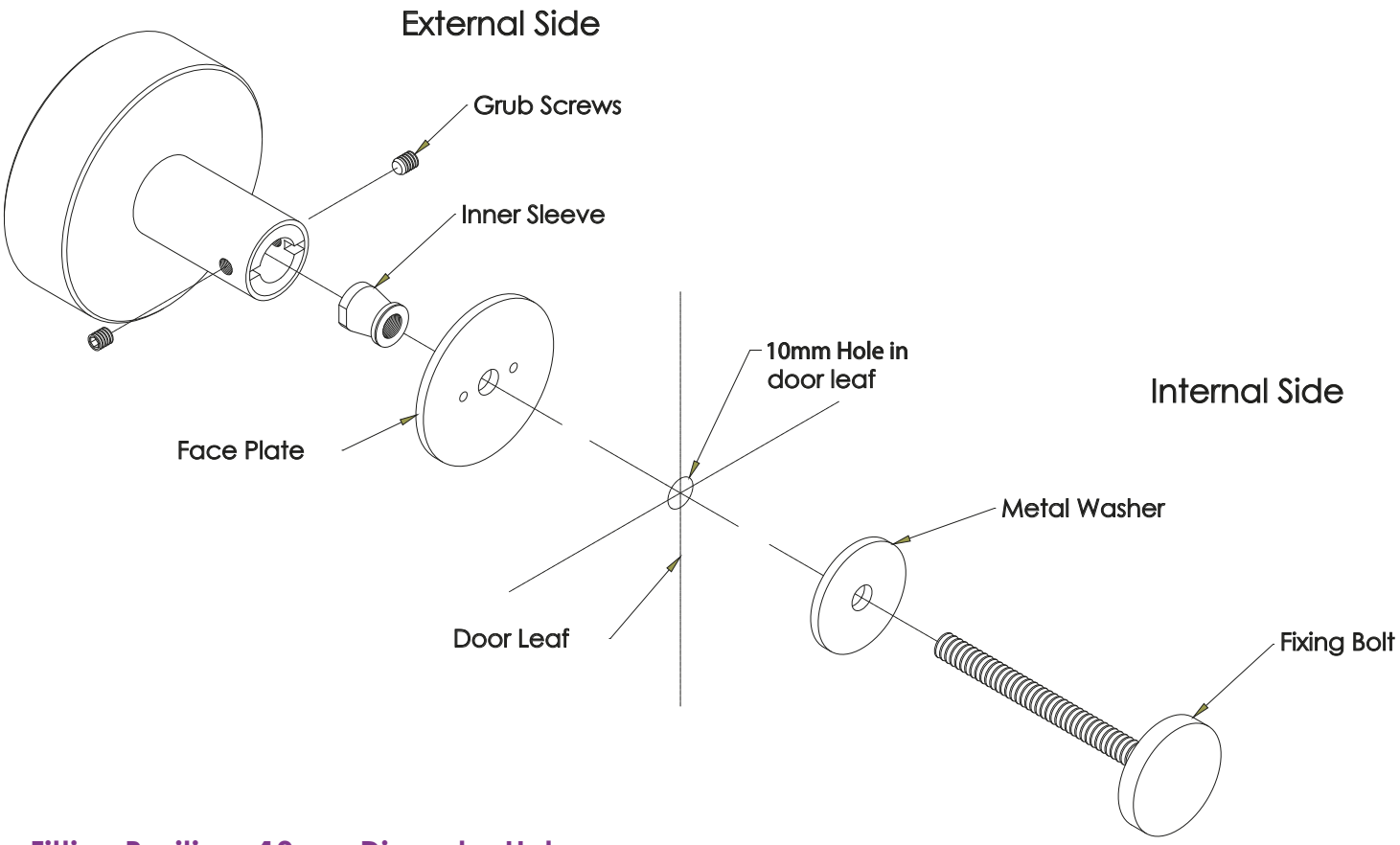
Fitting Positions



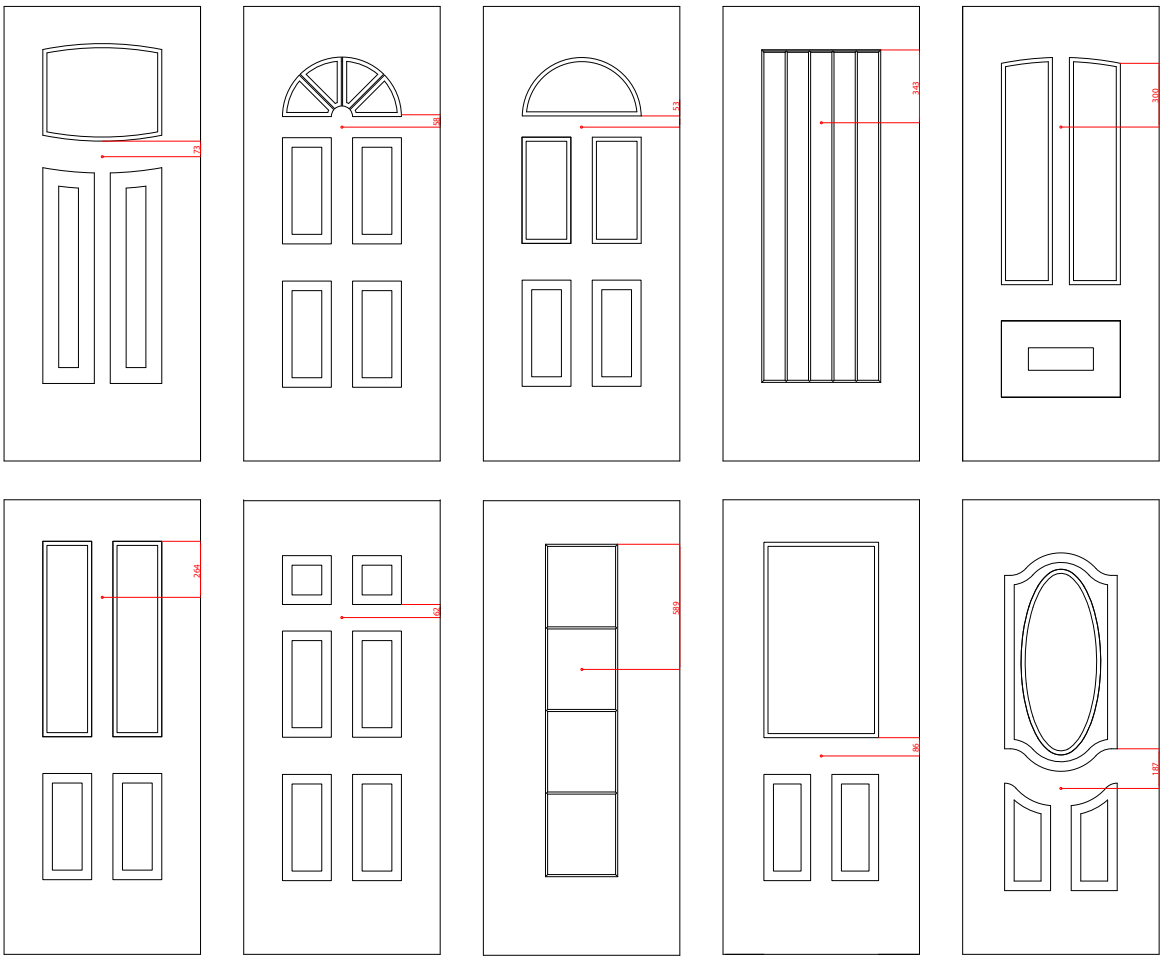
All measurements are taken from the moulding to the centre line of the top hole.



Stainless Steel Knob

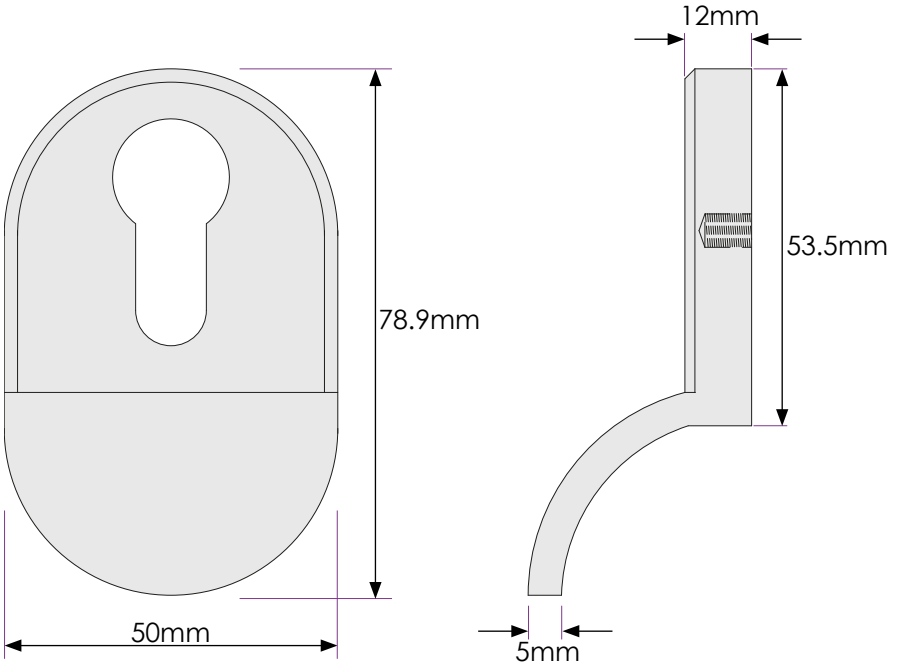


Fitting Positions 10mm Diameter Hole

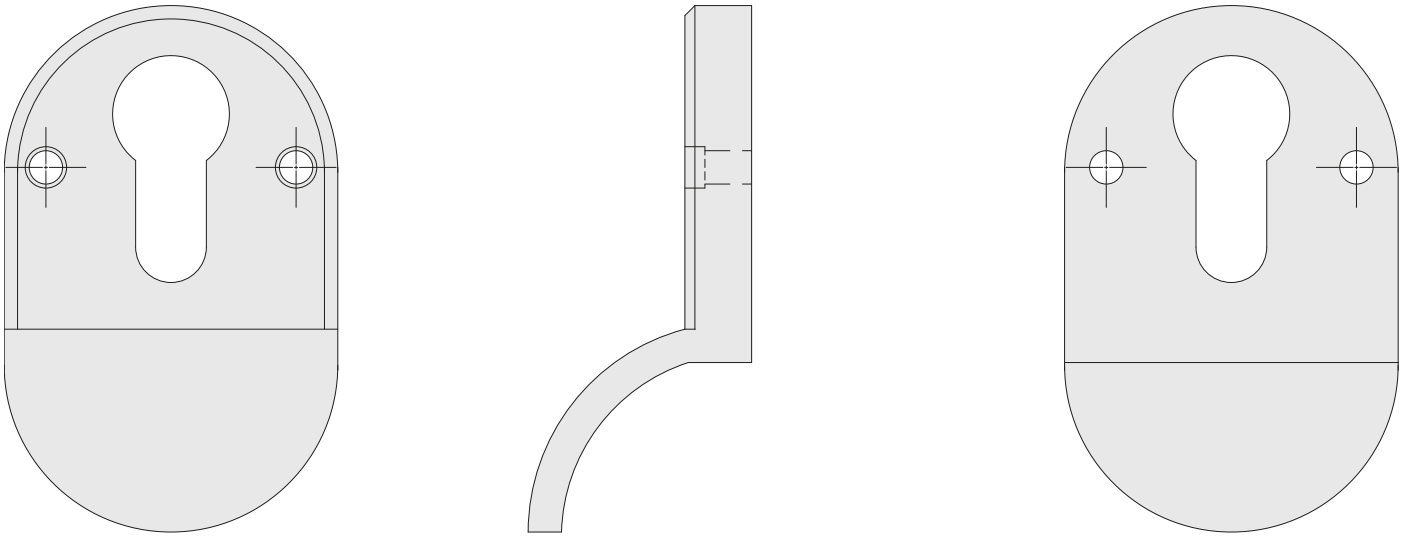


Stainless Steel Door Pull

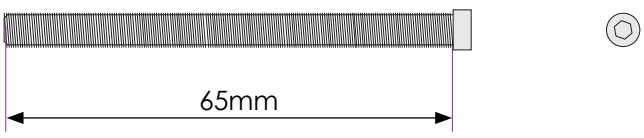
External



Internal



Hex Socket Cap Fixings x 2



Magnetic Cat Flap Available in White and Brown

Magnetic Lock

The magnetic operation requires no batteries the cat simply wears a collar key which is then used to open the locking mechanism of the cat door. Although not 100% secure (no cat flap is) this does help to keep out unwanted strays and other small animals.

4-way Locking

The 4-way latch offers the ultimate in flexibility. Set the cat flap to open,closed, in only or out only.

Manual Cat Flap Available in White and Brown

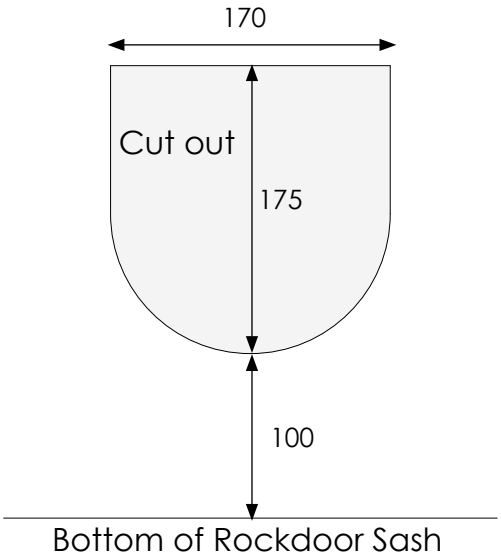
4-way Locking

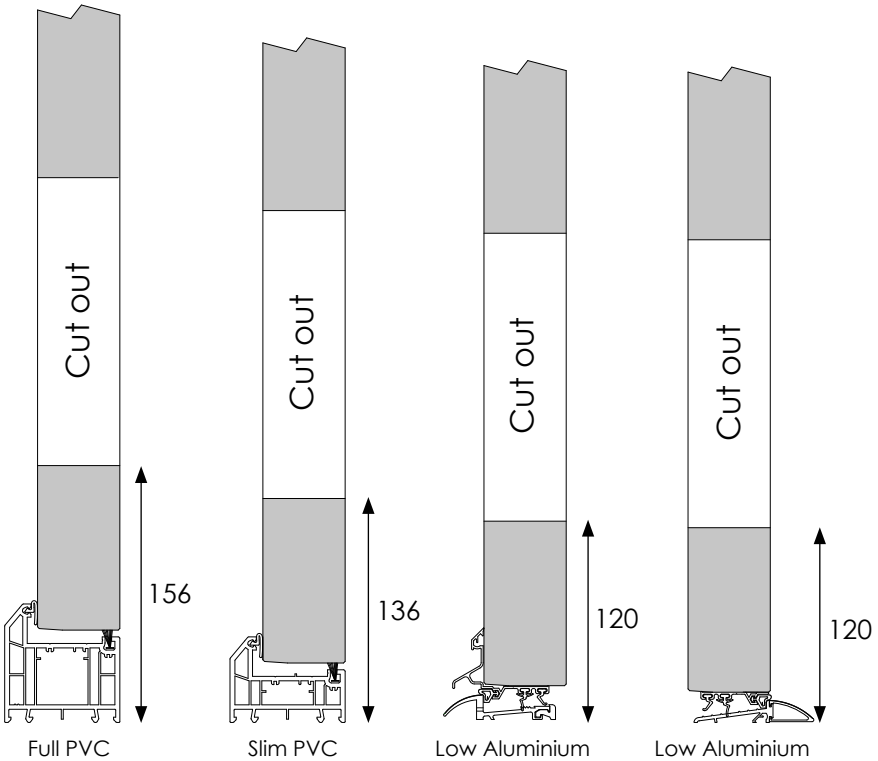
The 4-way latch offers the ultimate in flexibility. Set the cat flap to open,closed, in only or out only.

Door Styles available with a cat flap:

Aspen
Stable spy view
Stable view light
Cottage spy view
Cottage view light
T &G 5
Indiana
Dakota

Cut out positions





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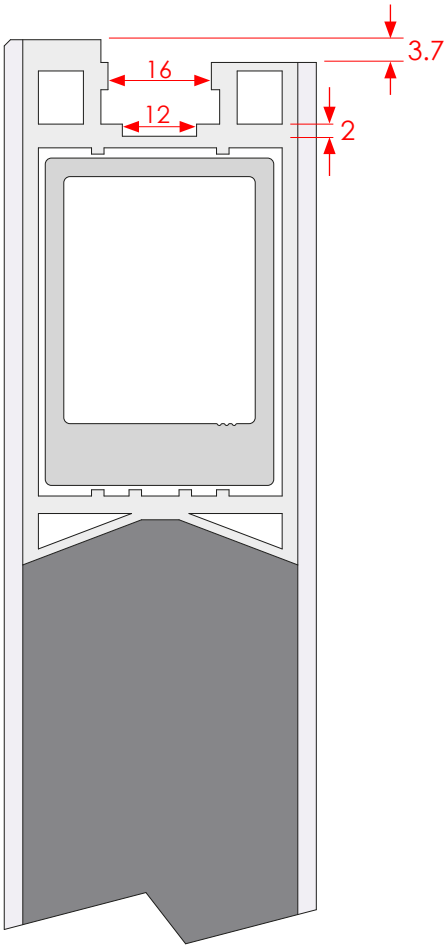
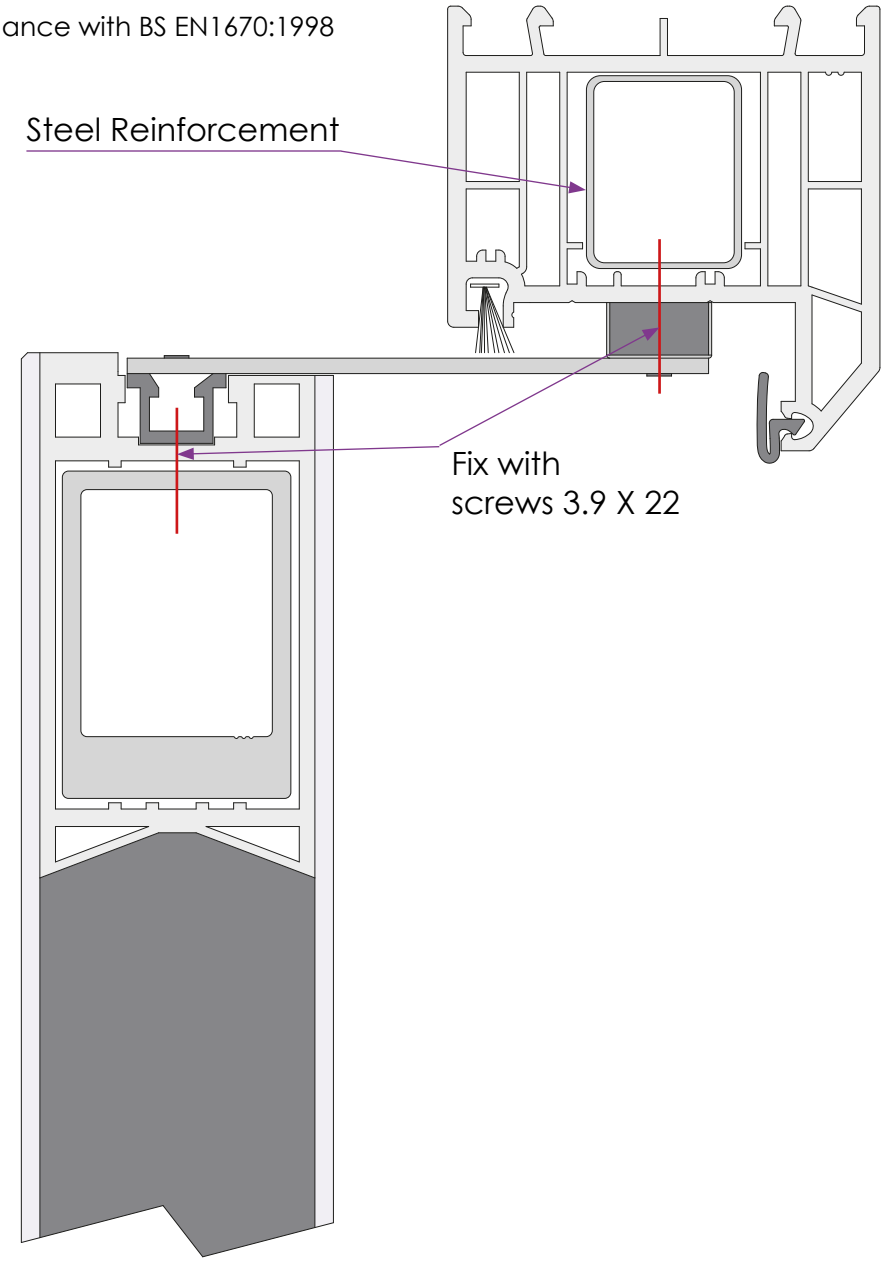
AV-SLDR-A Open Out Restrictor

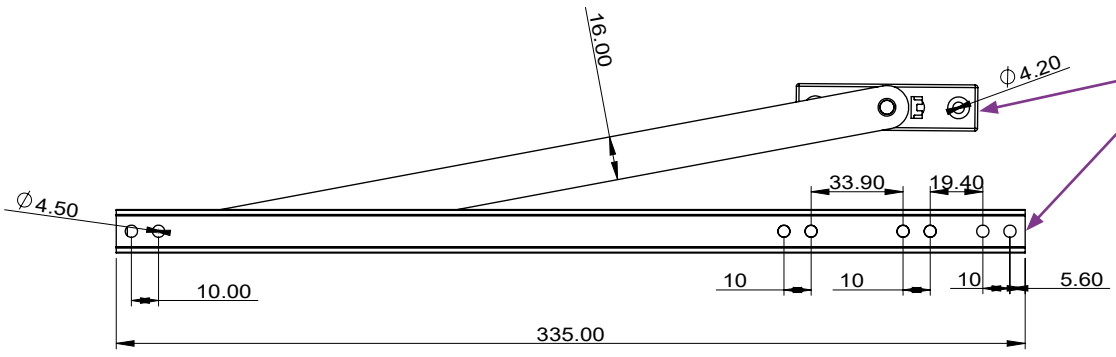
Door restrictors are designed to provide adjustable limitation to the door movement and allow an opening aperture of maximum 90°.

Features and Specifications:
- Tested to 100,000 cycles
- Corrosion resistance Grade 4 in accordance with BS EN1670:1998

Top edge of door machined off 3.7mm to allow for the restrictor arm.



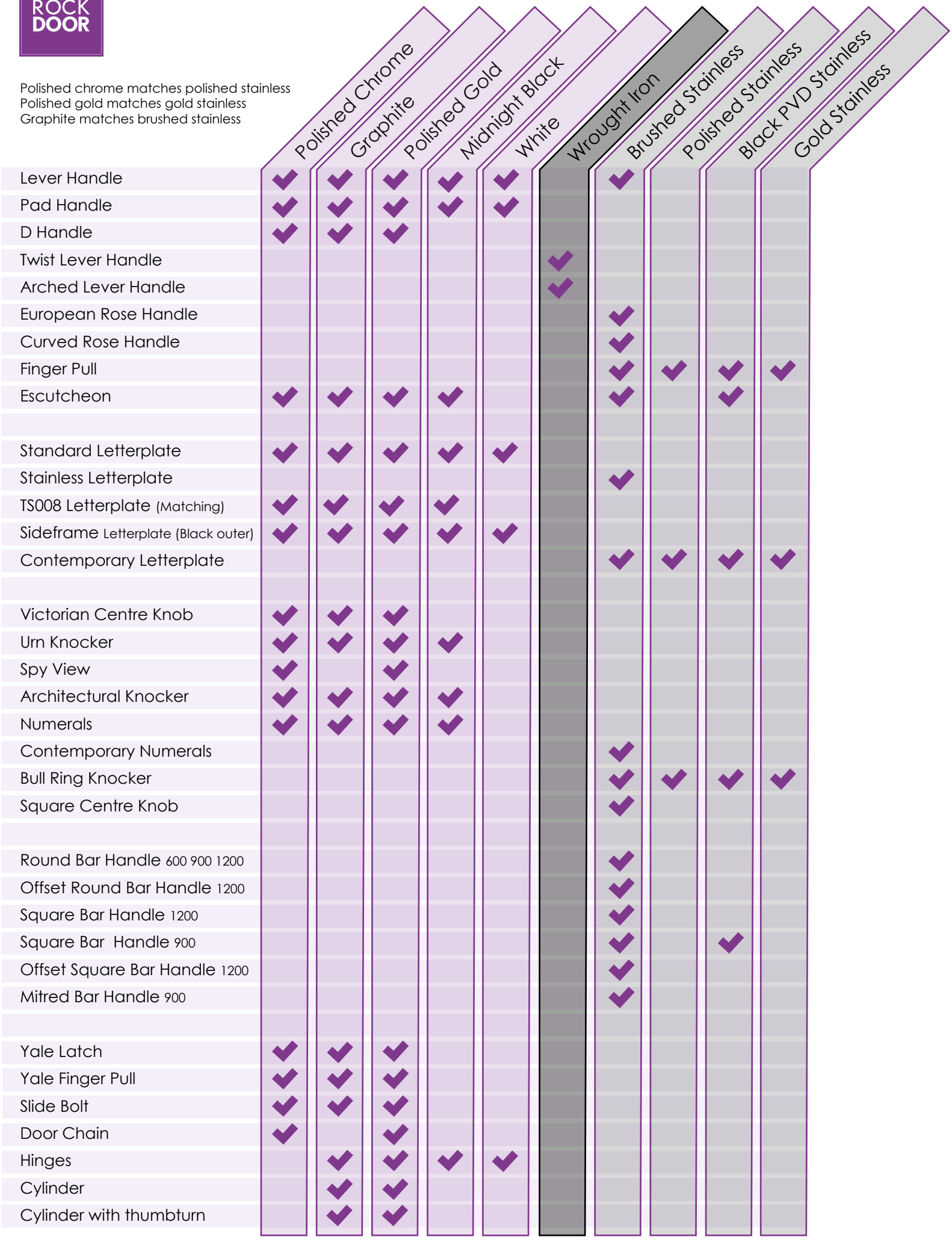




Installed 100mm in from the corner of the frame on the hinge side.

Furniture Colour Options

Polished chrome matches polished stainless
Polished gold matches gold stainless
Graphite matches brushed stainless



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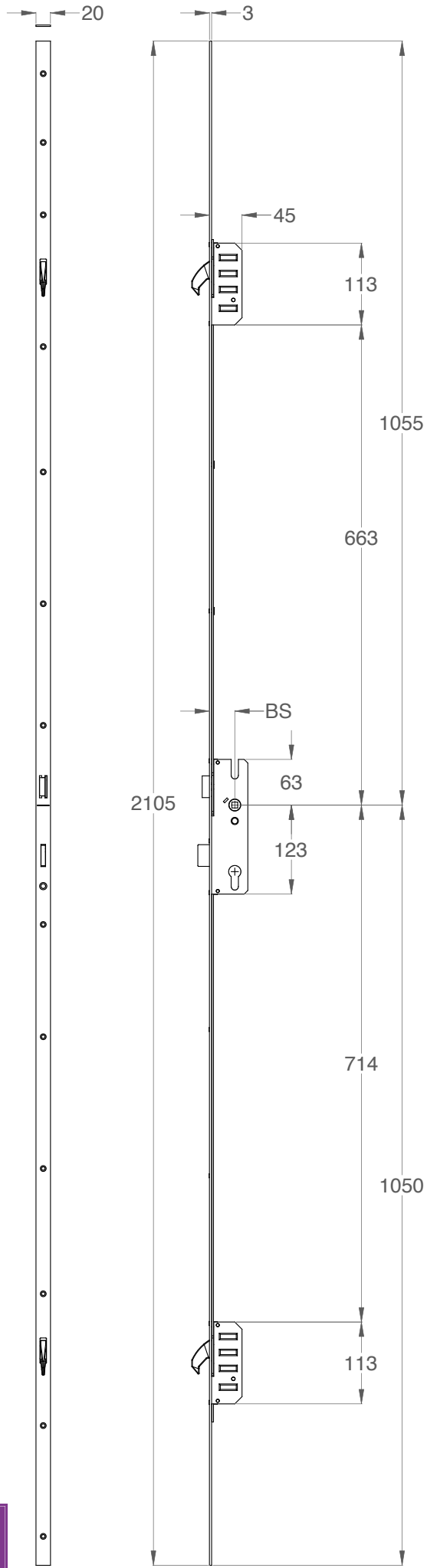

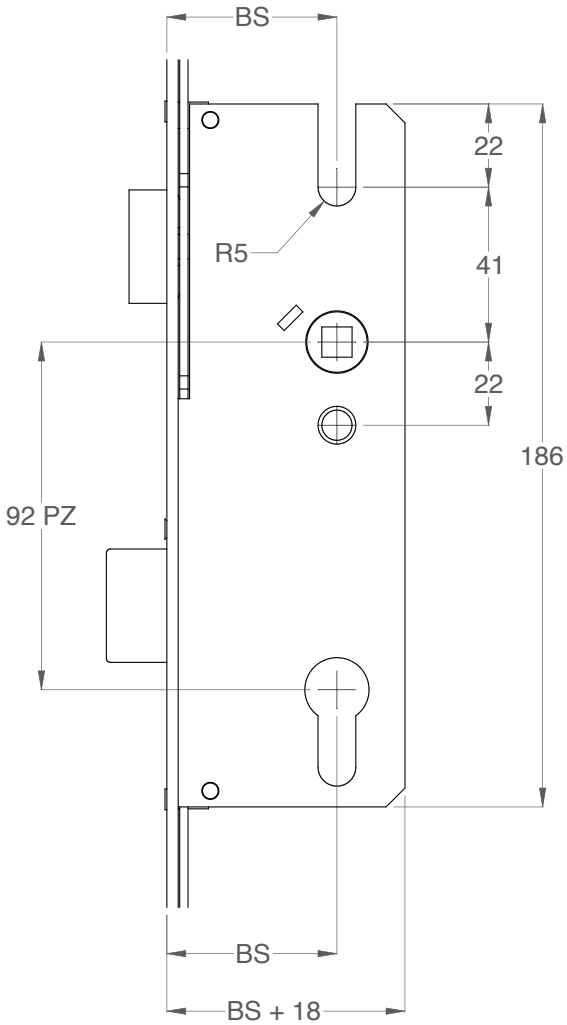

Drawing Description:

Dimensional Details Of Winkhaus' Standard STV Two Hook Residential Multi-point Door-lock System on a F20 rail.

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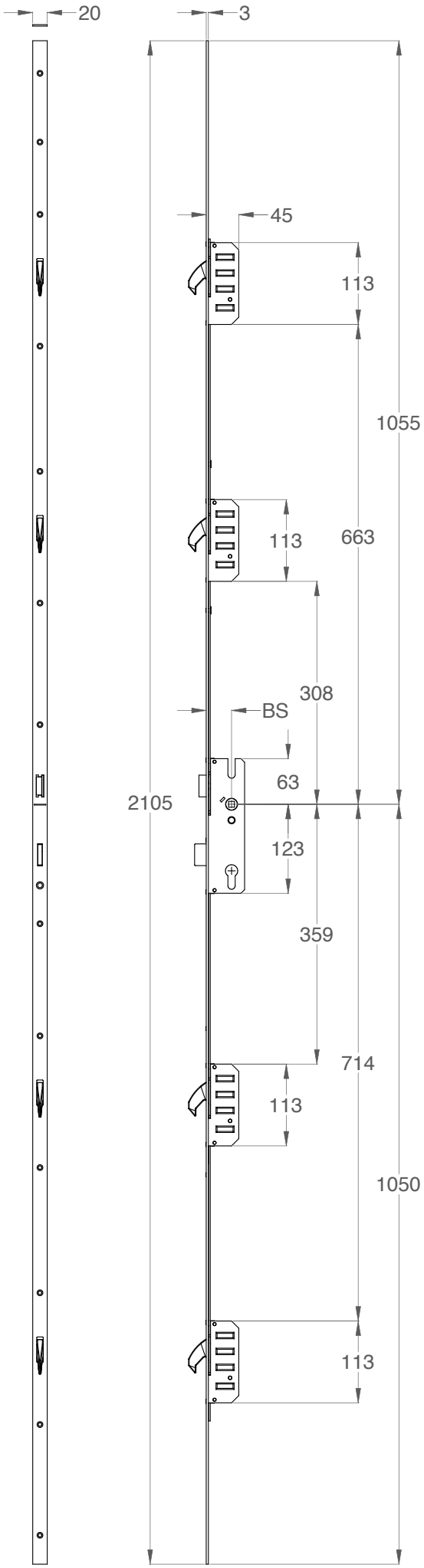
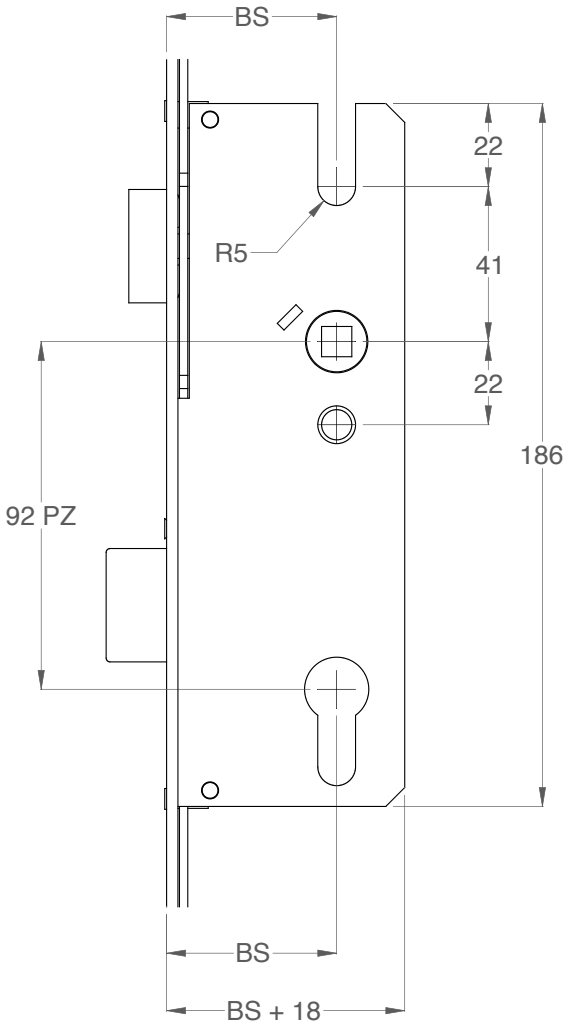
STV-FG 2060 M4





Drawing Description:

Dimensional Details Of Winkhaus' Standard STV Four Hook Residential Multi-point Door-lock System on a F20 rail.

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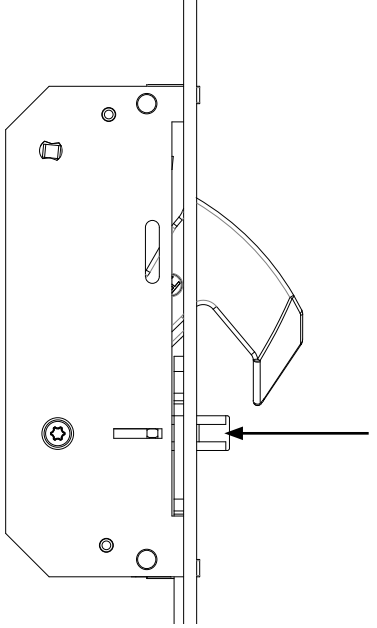


When the door closes this pin is pushed back which throws the hooks out instantly securing the door from the outside.

AV2 with Lever/ Fixed D Handle

Locking from the inside

- Closing the door automatically throws the top and bottom hooks making the door instantly weathered and secure from the outside.
- The handle can still be operated from the inside for instant exit.
- Insert the key and rotate one revolution to deadlock the door. This throws the central deadbolt and blocks the handle from operating. The door is now fully weathered and secure.

Unlocking from the inside

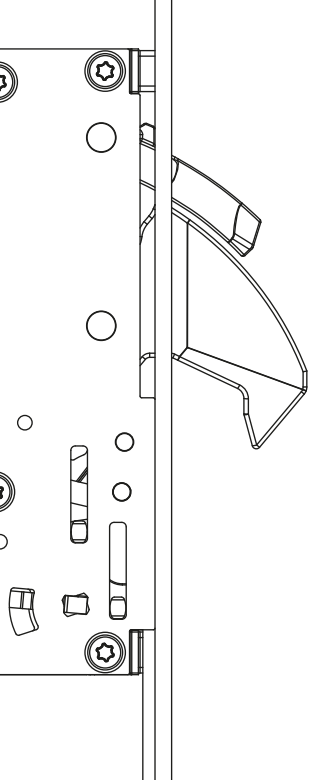
- Insert the key and rotate one revolution. This retracts the central deadbolt and allows the handle to be operated. The door remains weathered and secure from the outside.
- Depress the handle to retract the top and bottom hooks and open the door.

Locking from the outside

- Closing the door automatically throws the top and bottom hooks making the door instantly weathered and secure.
- Insert the key and rotate one revolution to deadlock the door. This throws the central deadbolt and blocks the internal handle from operating. The door is now fully weathered and secure.

Unlocking from the outside

- Insert the key and rotate one revolution. This retracts the deadbolt.
- Turn the key a further 45 degrees to retract the top and bottom hooks and open the door.



Instant Lock Heritage Plus

Cylinder Height centre is 1395mm from the bottom of the door sach.

Instant Locking

The Heritage plus system is an instant multi-point locking system with independently acting hooks for claw action and sealing elements for a dynamic contact pressure. By pulling the door closed, the sealing elements and the hook are triggered by means of a magnetic release on the frame and the door is secured against undesired entry. This ensures that the door always remains securely locked and remains firmly in its frame even without additional locking.
The hooks, sealing elements and latch can be retracted manually using the locking cylinder.

The frame-side magnetic release enables a defined triggering of the automatic locking. This reduces stress marks on the door frame and dampens the closing noise of the automatic locking system. With the opposed tracer pin, air gap tolerances can be bridged with this magnet technology.

Magnetic Switch Latch. (Different to standard switch latch)

Daytime release using the magnetic switch latch simple single-handed operation.

When the **Switch Latch** is in the **UP** position a key is required to gain entry to the property. Don't get caught out and **lock yourself out.**

When the **Switch Latch** is in the **DOWN** position no key is required allowing you to gain entry to the property and the door can **open or close freely.**

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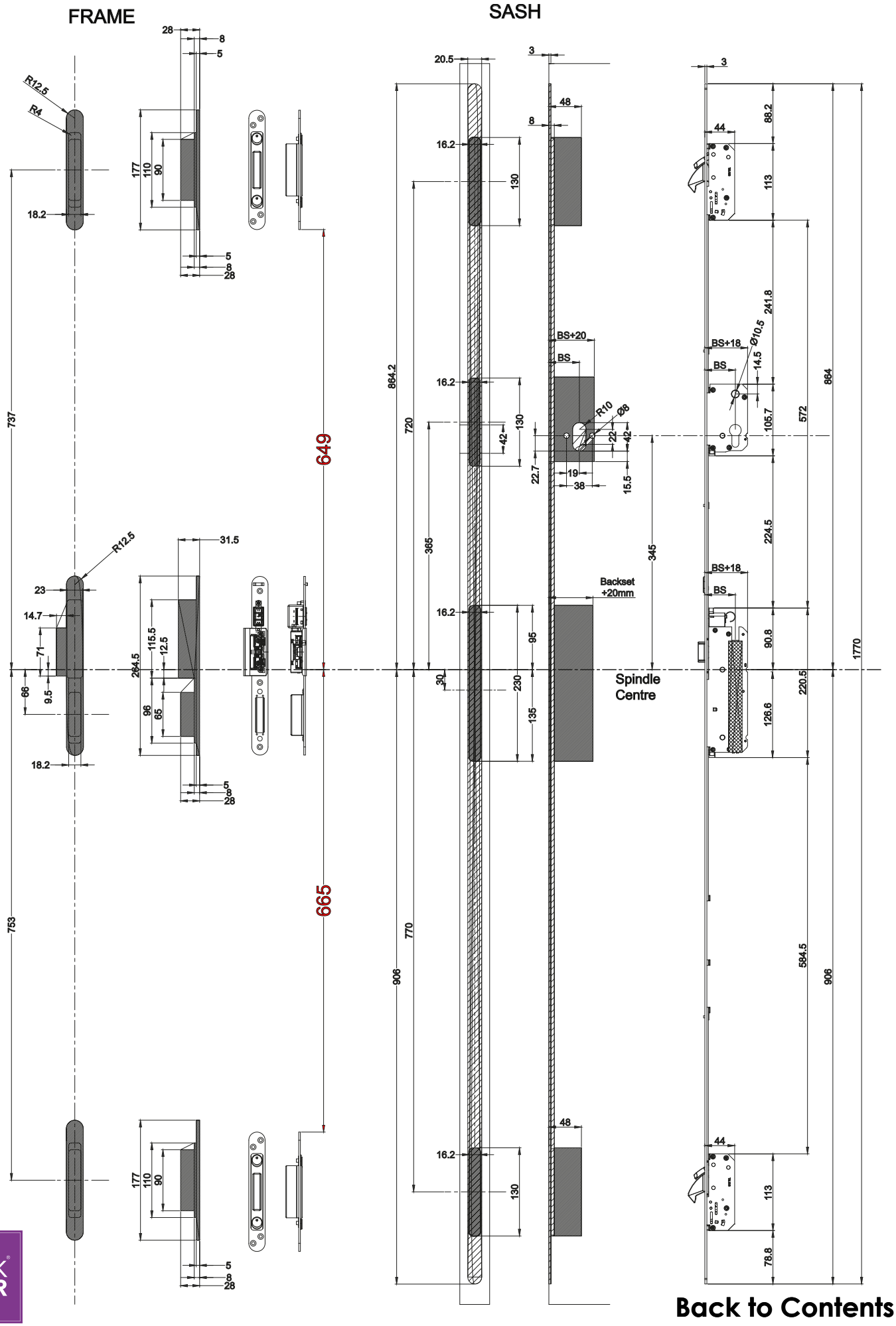
Routering details for Instant Lock Heritage plus



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Up Position

When the **Switch Latch** is in the **UP** position a key is required to gain entry to the property. Don't get caught out and **lock yourself out.**

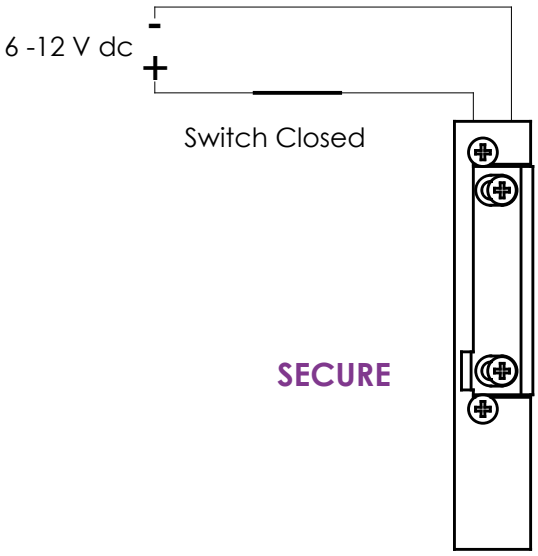
For total security, the key or thumbturn still needs fully engaging to ensure the hook locks are secured in place.

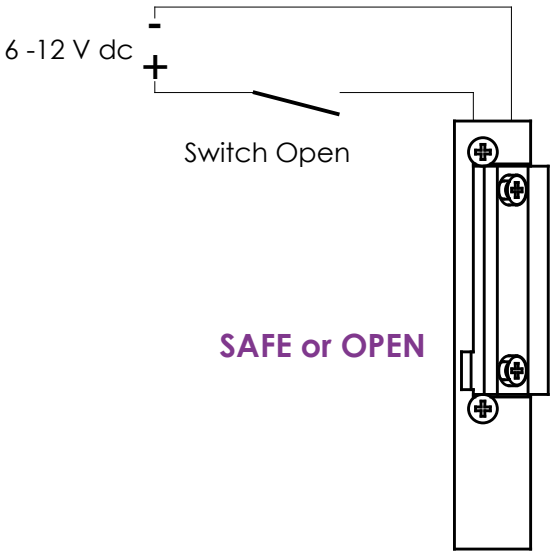
Down Position

When the **Switch Latch** is in the **DOWN** position no key is required allowing you to gain entry to the property and the door can **open or close freely.**

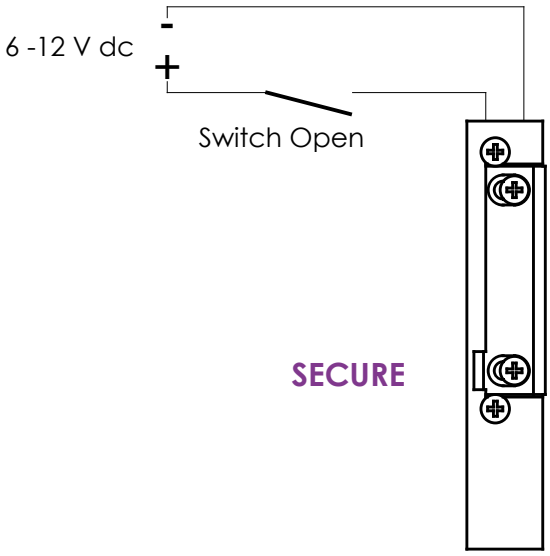
For total security, the key or thumbturn still needs fully engaging to ensure the hook locks are secured in place.

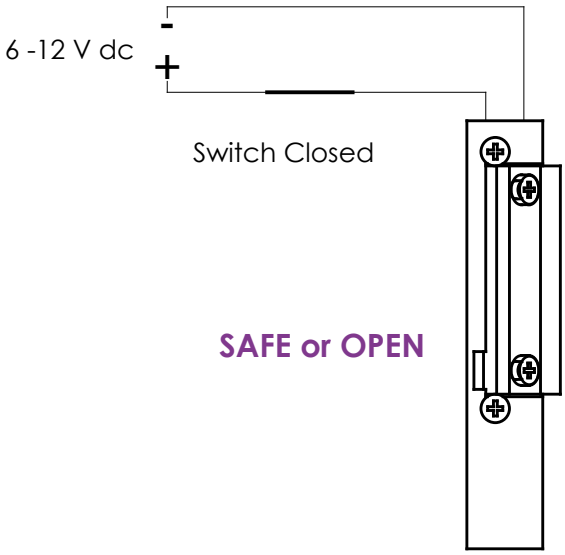
Fail **SAFE** Electric Latch Release (no power)





Fail **SECURE** Electric Latch Release (no power)

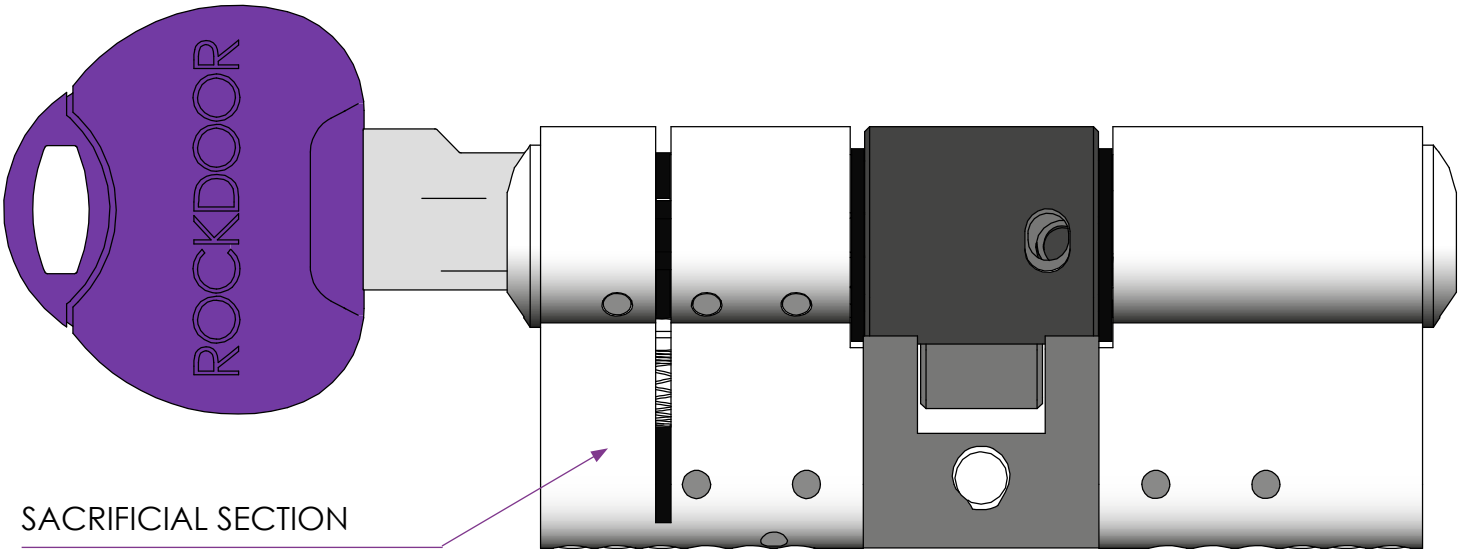




Technical Details (for Both Options)

Handing	Universal
potential	12 V DC
Adjustable latch (FF, FaFix®)	Yes
Fail-unlocked	Yes
Rated operating voltage tolerance range	± 1 V
Rated resistance	60 Ohm
Current consumption DC (50% Residual ripple)	225 mA
Current consumption DC (stabilised)	200 mA
Break-in resistance	3000 N
Height	90 mm
Width	16 mm
Operating temperature range	-15 °C to +40 °C
Max. keeper pre-load DC (50% residual ripple)	10 N
Max. latch preload DC (stabilised)	10 N
Depth	28 mm
Material housing	Zinc die-cast
Latch material	Zinc die-cast
Material surface-mounted attachment	MESSING

3 Star Cylinder



The cylinder must be installed with the sacrificial section to the external of the property.

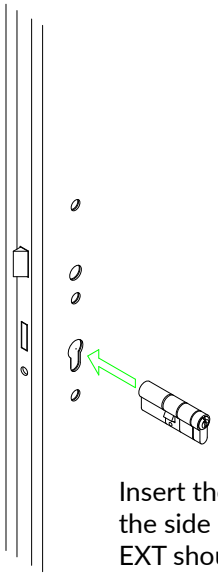
FEATURES:

SS312 Sold Secure Diamond Grade
3 Star British Kitemark - TS007:2014 (KM 586153)
Secured by Design Accredited (Police preferred specification)
Patented Snap Secure Technology
Pick, Drill & Bump Resistant
6 Trap Pins for advance pick resistance
10 Anti-drill pins
Three Rockdoor branded keys per cylinder
Keyed alike key/key pairs are available ex stock
Size 40mm/40mm

The key must be removed from the cylinder for the full security features to be enabled.

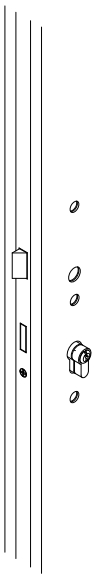
Cylinder Installation

1



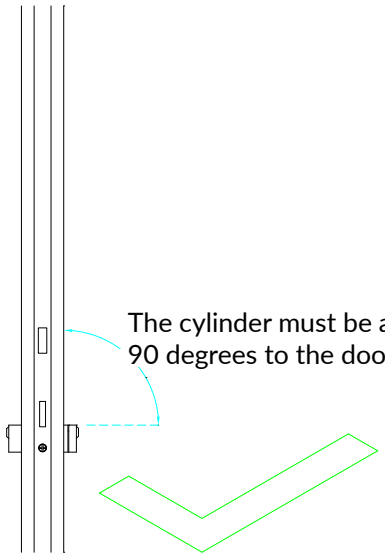
Insert the cylinder the side marked with EXT should be to the external face.

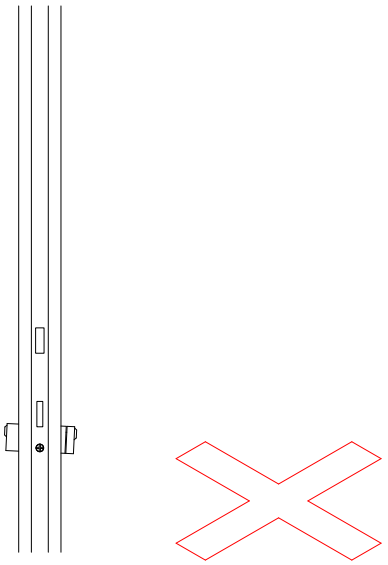
2



Insert fixing screw. The cylinder should be loose enough to ensure easy fitment of the handle.

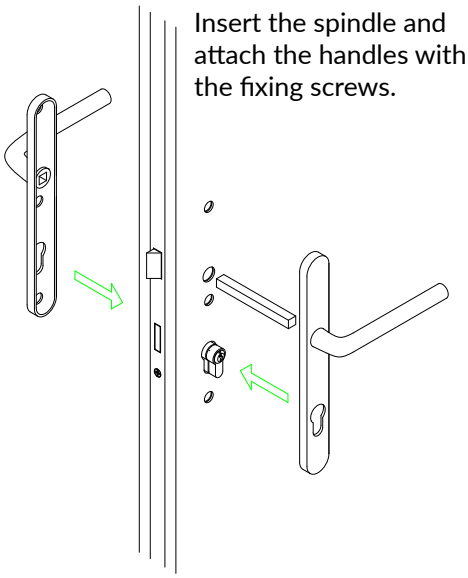
3



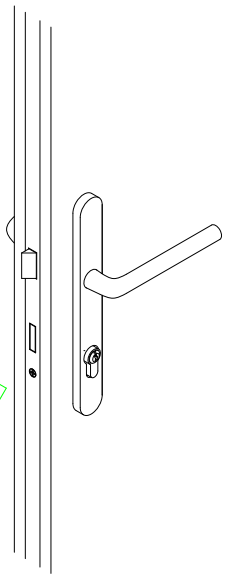


4

Insert the spindle and attach the handles with the fixing screws.



5



Nip tight the cylinder fixing screw with a hand screwdriver. Check the lock works correctly.

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Emergency Exit Door

Rockdoors emergency exit door is customised with a hardware solution that allows the door to be opened quickly and easily in a 'panic' situation. This includes typical emergency exits used in public places such as shopping centres, schools, cinemas and commercial use buildings.

External Operation

Lock: To lock the door from the outside, the key provided must be used to wind out the bolts into position. If the door is locked from the inside the external handle will not open the door.

Unlock: To open the door from the outside, use a key to unwind the bolts and then open the door using the external lever handle.

Internal Operation

Lock: To lock the door from the inside, use the thumbturn to wind out the bolts.

Unlock: To open the door from the inside, push firmly down on the push bar which will instantly retract the locks and allow the door to open freely. This will open the door regardless of whether the door has been left in the locked or unlocked position.

High Security, Quick Escape

Our emergency exit door ensures buildings can remain extremely secure, whilst providing a quick and safe method of exit to members of the public.

When to use Emergency Exit Doors

In accordance with EN1125, Rockdoor emergency exit doors should be used as a single door set that members of the public will have access to. The high concentration of people makes 'panic' situations more likely in public buildings. The occupants will not necessarily be familiar with the locations of the emergency exits, or how to open them. They therefore need to be able to open the doors intuitively using the horizontal push bar.

Rockdoor emergency exit doors, in accordance with EN 1125, are always outward-opening doors. All emergency exit doors must bear the CE mark.

Door Specification:

1. Door styles
All door styles except stable doors and double doors.

2. Glazing
P1A compliant glass (6.8mm Laminated)

3. Outer frame
72mm Rehau Outer frame

4. Reinforcing
Security Mesh

5. Handle
Standard lever/lever handle or Bar Handle

6. Hinges
Standard 3D Rockdoor hinge

7. Lock
Winkhaus 2 hook lock

8. Cylinder
Standard Rockdoor 3 star cylinder

9. Keeps
Standard Rockdoor full length keeps

10. Threshold
Aluminium low threshold

11. Letterplate
Must be TS008 compliant

Methods of test.

1. Operating Forces
The operating forces acting on the sample were determined by the methods given in BS EN 12046-2:2000.

2. Air Permeability
The air permeability of the sample was determined by the method given in BS 6375-1:2015.

3. Watertightness
The watertightness of the sample was determined by the method given in BS 6375-1:2015.

4. Wind Resistance
The wind resistance of the samples was determined by the methods (P1 and P2) given in BS 6375-1:2015.

5. Repeat Tests
After testing for resistance to wind loading (P1 and P2) the air permeability test was repeated.

6. Wind Resistance
The wind resistance of the samples was determined by the method (P3) given in BS 6375-1:2015.

7. Resistance to Vertical Loads
The resistance to vertical loads test was carried out using the method given in BS EN 947:1999.

8. Resistance to Static Torsion
The resistance to static torsion test was carried out using the method given in BS EN 948:1999.

9. Soft and Heavy Body Impact
The resistance to soft and heavy body impact was carried out using the method given in BS EN 949:1999.

10. Hard Body Impact
The resistance to hard body impact was carried out using the method given in BS EN 950:1999.

Results of test.

1. Air Permeability
The test sample met the requirements of the Specification, in respect of Clause 6, for Test Pressure **Class 4**.

2. Watertightness
The test sample met the requirements of the Specification, in respect of Clause 7, for Test Pressure **Class 3A**

3. Wind Resisatance
The test sample met the requirements of the Specification, in respect of BS6375-2:2009, for Exposure Category **C3 (1200Pa)**.

4. Operational Strength
The test sample **met the requirements** of the Specification in respect of BS6375-2:2009.

5. Basic Security
The test sample **met the requirements** of the Specification in respect of BS6375-3:2009.

Secured by Design (SBD) is the official police security initiative that works to improve the security of buildings and their immediate surroundings to provide safe places to live.

For Rockdoor to meet the specification they should be fitted with:

1 P1A Compliant glass (6.8mm laminated)

2 Security mesh.

3 Letterplates must conform to requirements of TS008.

ROCK DOOR

For solid door styles with no glass, please refer to the Clear Backing glass section for the doors energy rating

Door Style	CLEAR BACKING GLASS				OBSCURE BACKING GLASS			
	72mm threshold	52mm threshold	Ali threshold open out	Ali threshold open in	72mm threshold	52mm threshold	Ali threshold open out	Ali threshold open in
Arcacia	A	A	A	A	A	A	A	A
Campus	A	A	A	A	A	A	A	A
Carolina	A	A	A	A	A	A	A	A
Classic	B	B	B	B	B	B	B	B
Colonial	A	A	A	A				
Cottage spy view	A	A	A	A	A	A	A	A
Cottage view light	A	A	A	A	A	A	A	A
Dakota	A	A	A	A				
Diamond	A	A	A	A	A	A	A	A
Dune Retreat	A	A	A	A	A	A	A	A
Dune Vision	B	B	B	B	B	B	B	B
English cottage	A	A	A	A	A	A	A	A
Georgia	B	B	B	B	B	B	B	B
Illinois	B	B	B	B	B	B	B	B
Indiana	A	A	A	A				
Jacobean	B	B	B	B	B	B	B	B
Kentucky	B	B	B	B	B	B	B	B
Manhattan	A	A	A	A	A	A	A	A
Montana	A	A	A	A	A	A	A	A
Newark	A	A	A	A	A	A	A	A
Portland	B	B	B	B	B	B	B	B
Philadelphia	A	A	A	A	A	A	A	A
Regency	A	A	A	A	A	A	A	A
Stable diamond view	B	B	B	B	B	B	B	B
Stable spy view	B	B	B	B	B	B	B	B
Stable view light	B	B	B	B	B	B	B	B
Tennessee	B	B	B	B	B	B	B	B
Tongue and groove 5	A	A	A	A	A	A	A	A
Vermont	A	A	A	A	A	A	A	A
Virginia	B	B	B	B	B	B	B	B
Vogue	B	B	B	B	B	B	B	B
Windsor	B	B	B	B	B	B	B	B

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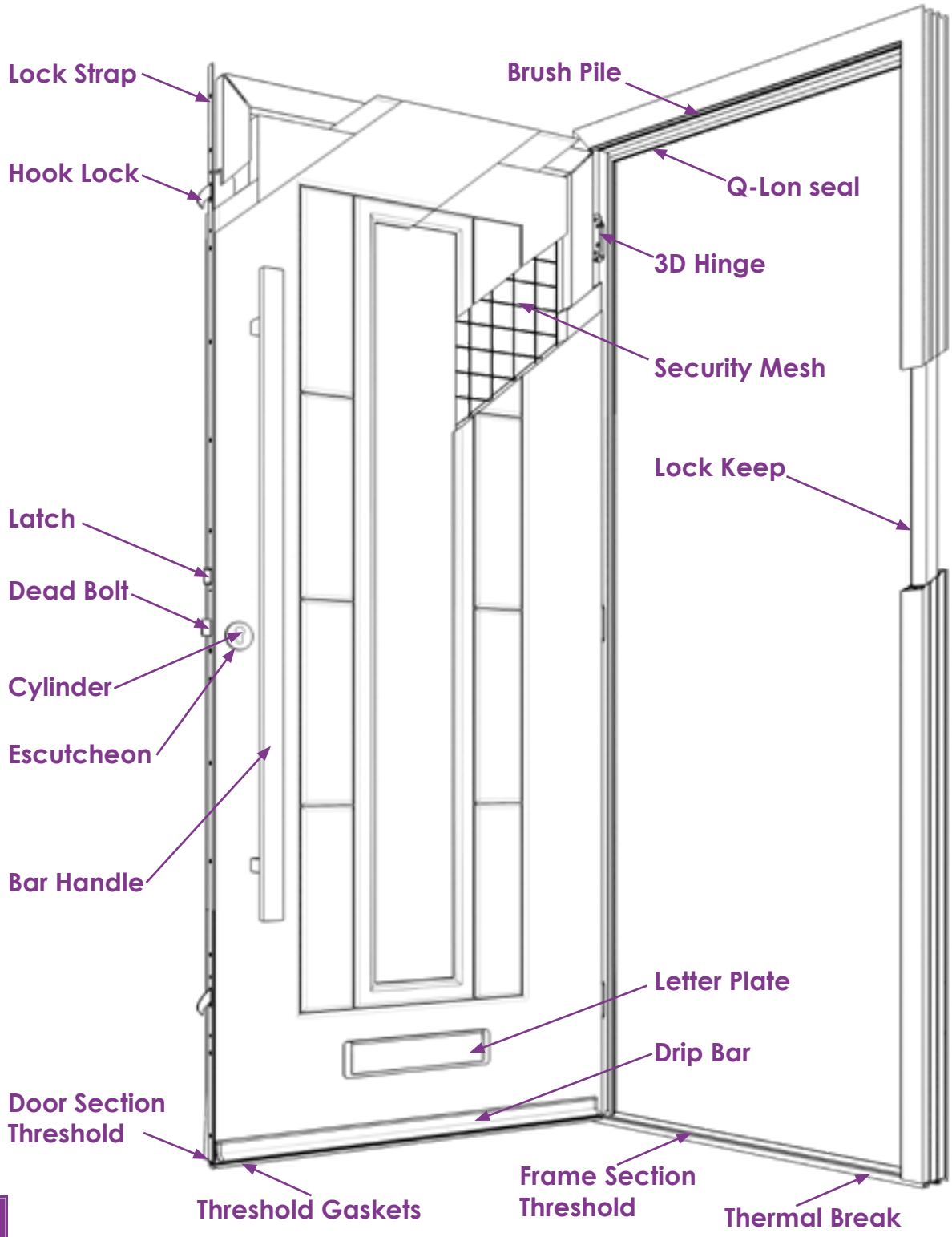
Replacement Parts

To ensure you receive the correct replacement part, you firstly need to find the Rockdoor production number of the door that requires parts. This can be found on the hinge side of the inner frame and is a 6 or 7 digit reference number. Contact can then be made to GAP's customer service team (**customerservice@gap.uk.com**) who can help you.

Our team can then use our systems to find the correct part for the door and arrange for its delivery to the depot.

With lots of parts used to construct the door, it's useful to make sure we have the correct part, so please refer to the illustration below.



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The Original **Composite Door**.

Rockdoor must be installed in-line with the five star installation guide.