**Engineering progress**
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# Rio flush door

Technical Information

REHAU

# Contents

# 01 General guidelines

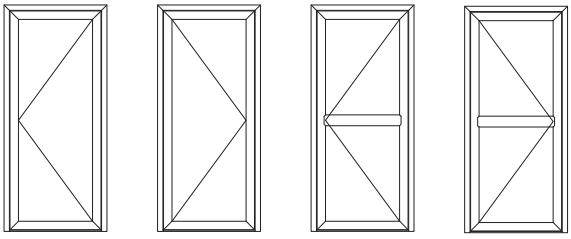
**1.1 Product Description**
The Rio flush door gives a traditional appearance to any building and is designed to create maximum lighting effect into the room, whilst offering easy maintenance.

The Rio flush door is based on an authentic, traditional design, timber door but with all the benefits of modern PVC performance. The style consists of a single residential door where the sash fits flush into the frame.

The Rio flush door is manufactured with the outer frame profile components from the TOTAL70 system therefore you are able to either manufacture the door with a Chamfered (T70c) or Sculptured (T70s) finish depending on the style of property that the door is being fitted into.

In order to further enhance the traditional timber aesthetics the Heritage vertical sliding sculptured and square edge are utilised.

**1.2 Door Styles**



**1.3 Storage of PVC-U profiles**
For information on storage of profiles please refer to TOTAL70 Manufacturing Recommendations 706.620EN

**1.4 Cutting to size**
Cutting speed is 50 – 52 m per second and suitably toughened metal fine toothed saw blades should be used. High speed steel blades must be relief ground with no set. It is extremely important that all cutting tools are kept sharp, blunt tools produce excessive friction causing a film of molten material to stick to the saw blade and between its teeth. This adversely affects the cleanness of cuts and, therefore, the weld. Cut sections should be processed without delay, at most within 2 to 3 days, because of the risk of dirt pick-up in the cut faces and moisture absorption from the air. Dirt contamination can cause faults in the weld, reducing corner strength. Cutting of profiles is in accordance with fabrication sizes.

**1.5 Milling and drilling**
High-speed light metal and woodworking machines are suitable for milling work as well as conventional HSS drilling and milling machines.
When drilling (triple boring) simultaneously through PVC and steel in one pass, the drill bits and drilling machine must be compatible and suitable for steel to avoid deflection of the drill or other damage.

**Outer Frame Drainage**
Drainage of the outer frame profile is affected by milling slots into the front chamber and routing the water out via either:
- slots or holes milled in the external face and concealed with a plastic cover where face drainage is required, or
- slots milled in the underside of the profile, where concealed drainage is required.

**Sash Drainage and Pressure Equalisation**
The glazing rebate must be drained at the bottom via slots into the front chambers 5 x 25 mm long. At least two slots, 70 mm from the corners and a maximum of 600 mm apart should be milled in accordance with the Glazing instructions. The rebate must also be pressure equalised via similar slots placed on the outside of the profile at the top of the jambs.

**1.6 Welding**
For welding methods and further information please refer to TOTAL70 Manufacturing Recommndations 706.620EN.

**1.7 Seals**
The outer frame is supplied with the universal integral gasket, this needs to be removed and replaced with the closing seal, Art. no. 329649.
The weldable corner gasket, Art. No. 328217, then need to be inserted into the sash corners followed by closing seal, Art. No. 329649, between the corner seals. Make sure that there are no gaps and gasket is not stretched. As an option glue can be added to the foot joint if required. To aid fitting of Art. No. 328217 use hand roller or lubricate. For welded sashes the weld sprue should be removed in the corners before inserting seal.

Use of non-REHAU seals and gaskets will invalidate test certificates, performance data or third party certification applicable to REHAU door systems.

### 1.8 Fittings – Hardware

| Hardware | Specification | REHAU article number |
|---|---|---|
| Hinge | - SFS Dynamic 3D for REHAU profile groove x 3 | Art. 340684 |
| Lock | - Maco PROTECT C-TS Module<br>- C-TS Module Latch Plate RH **214693**<br>- C-TS Module Latch Plate LH 214694<br>- C-TS Module Hook-Bolt **228254**<br>- C-TS Door Lock **232310** - U-Faceplate 6x24x6 35mm backset<br>- Eurogroove Adapter Profile **364687** 16mm eurogroove 2200 mm long (x1 per door lock C-TS) | Available direct from MACO<br>(MACO part numbers shown in bold) |
| Low threshold | - Exitex REHAU *SR MDS 70* RITB + Outward infill + End Caps for either Sculptured or chamfered frame<br>- Brush Pile adaptor | Available direct from Exitex<br><br>Art. 001469 |

Hinge jigs are available upon request from your regional sales office upon set up

Screw fixings should always penetrate two walls of PVC, the reinforcement profile or the specially designed screw ports provided. If holes are pre-drilled, the condition of equipment should be carefully checked, since blunt drill bits can reduce anchor strength substantially. Where self tapping screws are used, it is essential that a precisely shaped cutting bit is employed.

When using electric or pneumatic screw drivers, the clutch mechanism must be adjusted to avoid stripping the threads and the speed should be set to 600-1000 rpm. Higher speeds may cause partial heating of the PVC material, reducing anchorage strength of the screws.
With the fittings in position the sash is able to operate externally to the geometry set by the hinge.

### 1.9 Application of supplementary profiles

Profile combinations are possible with supplementary profiles from the TOTAL70 Ancillary range. Manufacturing instructions for the individual profiles should be followed.

### 1.10 Fitting of glazing beads

The glazing beads are snapped into the channels provided in the main sections. Generally all glazing beads should be mitre cut though this presents problems with short lengths due to the inherent rigidity of the beads. When mechanically jointing, ensure that the vertical beads are scribed on to the horizontal beads to prevent ingress of water.

### 1.11 Repairs

Damage by mechanical means causing holes or cracks can be repaired with welding rods of RAU-PVC 1105 and a hot air welder. Under certain conditions, some damage can be repaired with repair paste.

### 1.12 Cleaning

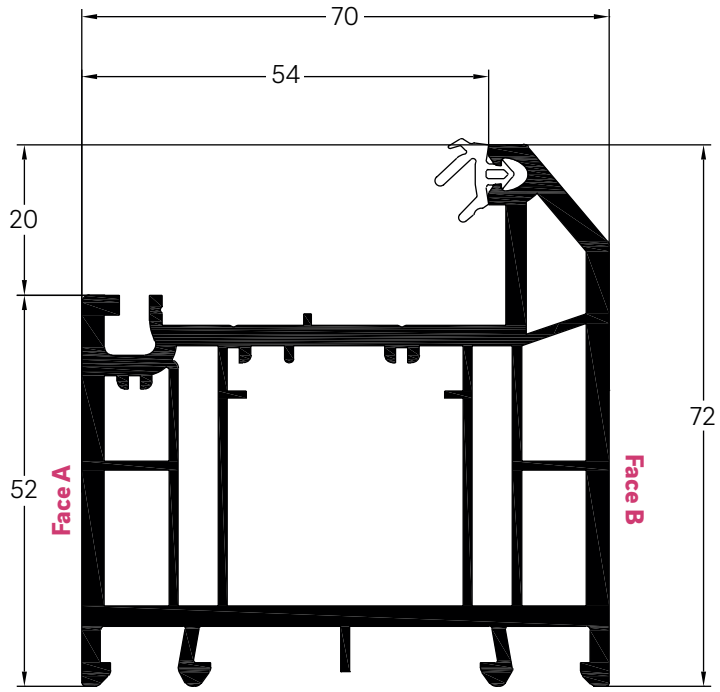
The door can be cleaned using normal washing up liquid and lukewarm water. Gritty and abrasive cleaning agents must not be used. In the event of exceptionally bad soiling, the use of a special cleaning agent is recommended which must be applied to the whole of the frame surface.

### 1.13 Installation

When fitting the sash to the frame, the visible gap on the outside (6mm nominal) should be no more than 5-7mm.

# 02 Profile print

### 2.1 Door frames

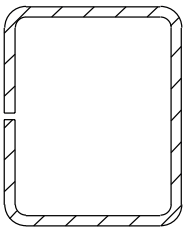



Universal gasket to be removed and replaced with art. 329649 closing seal

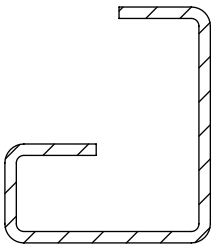
Door Frame 72mm
White Profile Art. No. 546836
Laminated Profile Art. No. 586835/586836

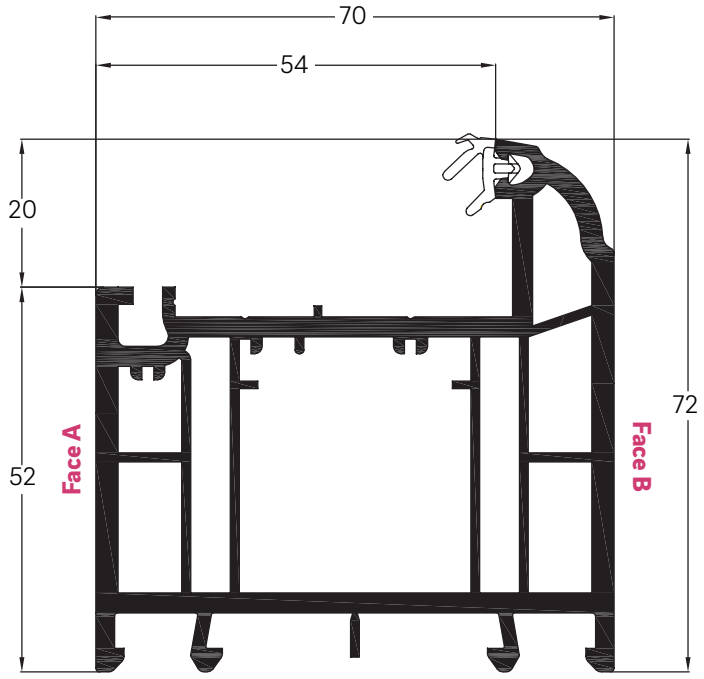
| | 216393 | 337955 |
|---|---|---|
| ⟷ | 1.5mm | 1.5mm |
| Ix | 1.44 | 1.42 |
| Iy | 2.01 | 1.25 |

216393 - 25 x 31



337955 - 27x31x12x13



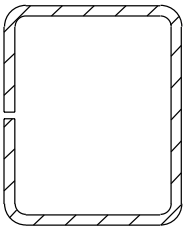



Universal gasket to be removed and replaced with art. 329649 closing seal

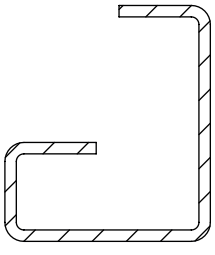
Door Frame 72mm
White Profile Art. No. 546435
Laminated Profile Art. No. 586435

| | 216393 | 337955 |
|---|---|---|
| ⟷ | 1.5mm | 1.5mm |
| Ix | 1.44 | 1.42 |
| Iy | 2.01 | 1.25 |

216393 - 25 x 31

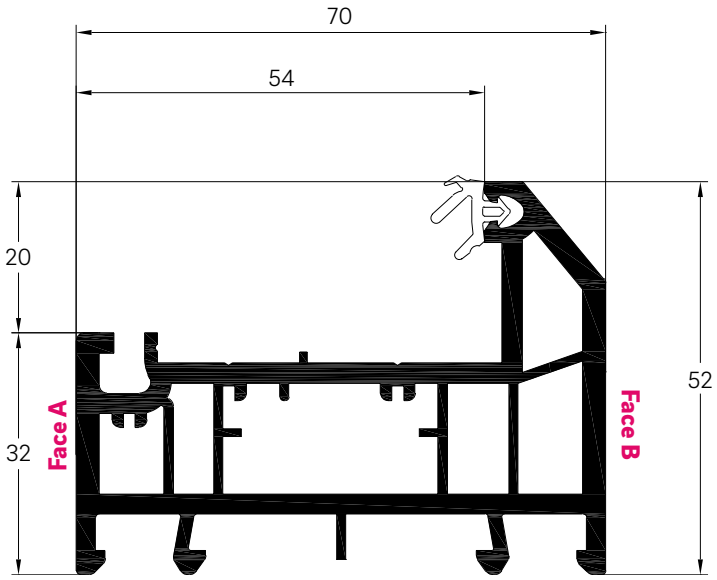


337955 - 27x31x12x13



Note: Ix is in windload direction

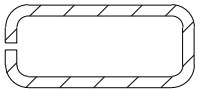
## 2.2 Threshold option

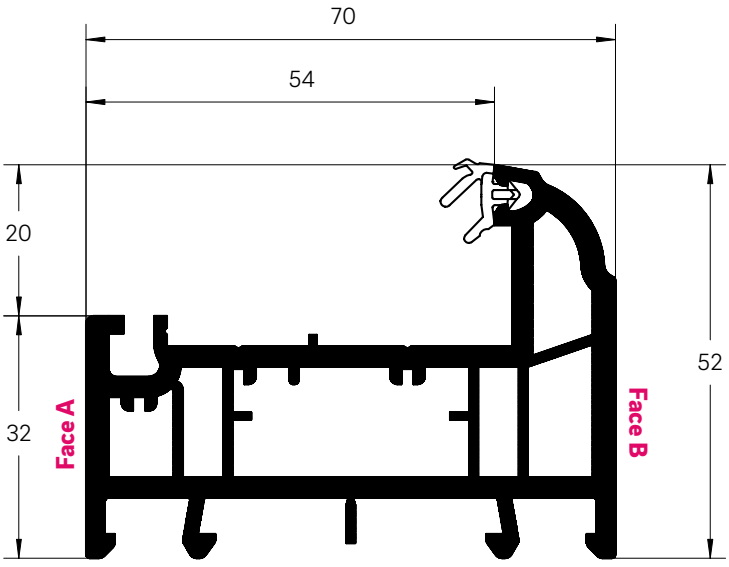



Slim Outer Frame 52mm
White Profile Art. No. 546816
Laminated Profile Art. No. 586815/586816

| | 216391 | 318555 |
|---|---|---|
| ⟷ | 1.5mm | 1mm |
| Ix | 0.61 | 0.46 |
| Iy | 0.17 | 0.13 |

216391 - 25 x 11
318555 - 25 x 11

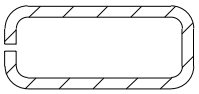





Slim Outer Frame 52mm
White Profile Art. No. 546415
Laminated Profile Art. No. 586415

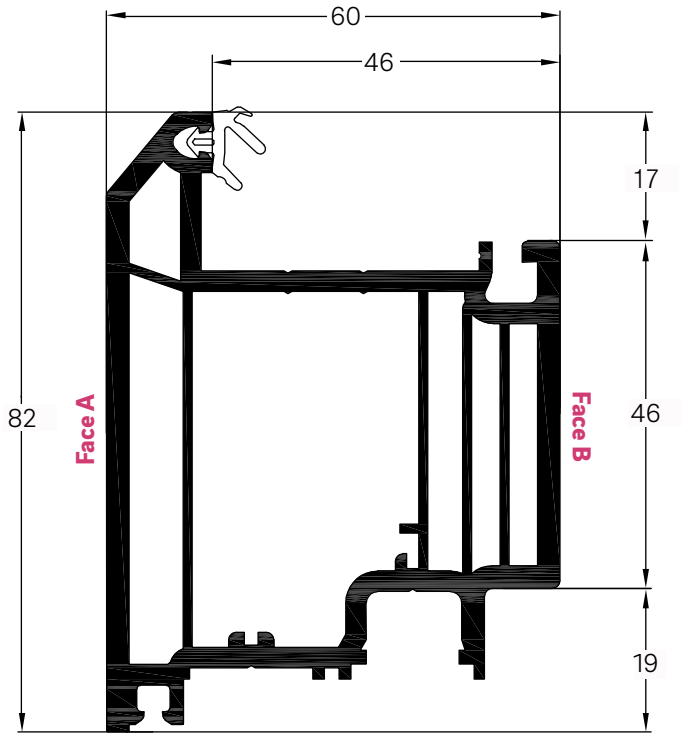
| | 216391 | 318555 |
|---|---|---|
| ⟷ | 1.5mm | 1mm |
| Ix | 0.61 | 0.46 |
| Iy | 0.17 | 0.13 |

216391 - 25 x 11
318555 - 25 x 11



Note: Ix is in windload directon

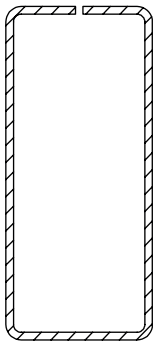
## 2.3 Door Sash



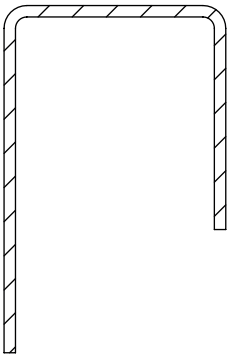

82mm Door sash
White Profile Art. No. 546025
Laminated Profile Art. No. 586025

| | 333835 | 334375 | 334376 | 344328 |
|---|---|---|---|---|
| ⟷ | 1mm | 1.5mm | 1.5mm | 1.5mm |
| Ix | 0.79 | 1.67 | 1.67 | 1.74 |
| Iy | 2.80 | 3.24 | 3.24 | 2.76 |

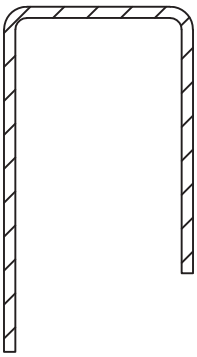
333835 - 43.75 x 19.25



334375 - 45 x 29 x 29
334376 - 45 x 29 x 29 (Pre-routed)

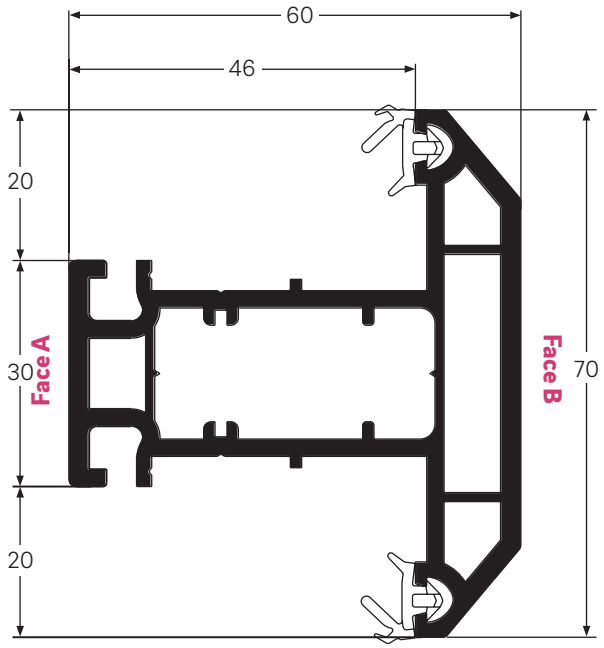


344328 - 45.65 x 25 x 35.25 (Pre-routed)



Note: Ix is in windload direction

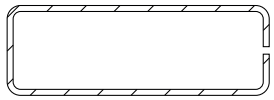
## 2.4 Midrails



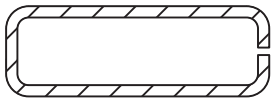

Midrail 70mm
White Profile Art. No. 503555
Laminated Profile Art. No. 573555

| | 287798 | 233721 | 200509 |
|---|---|---|---|
| ⟷ | 1.5mm | 0.8mm | Aluminium |
| Ix | 2.9 | 1.8 | 4.6 |
| Iy | 1.6 | 0.9 | 3.0 |

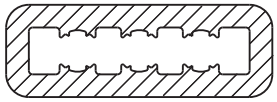
233721 - 35 x 12

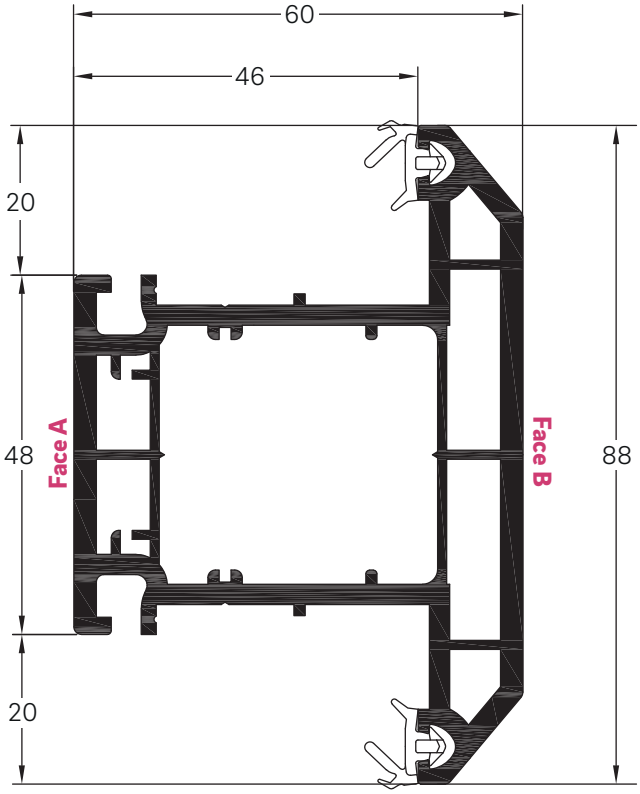


287798 - 35 x 12



200509 - 35.2 x 12.2

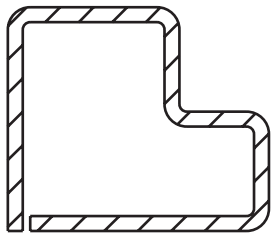




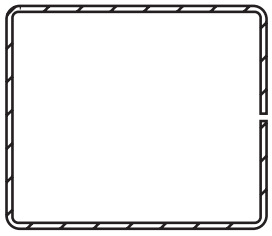

Midrail 88mm
White Profile Art. No. 503795
Laminated Profile Art. No. 573795

| | 233641 | 200022 | 250219 |
|---|---|---|---|
| ⟷ | 0.8mm | 2mm | 2mm |
| Ix | 1.82 | 3.3 | 4.16 |
| Iy | 1.46 | 2.67 | 3.26 |

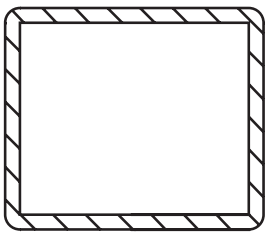
200022 - 35 x 30 x 23 x 14 x 16



233641 - 35 x 30

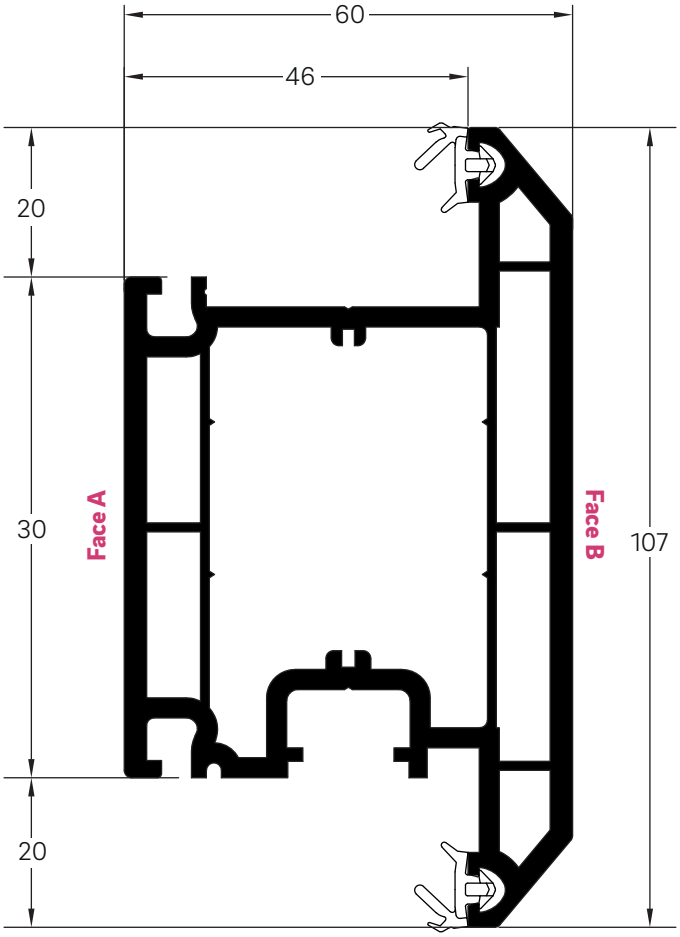


250219 - 35 x 30



Note: Ix is in windload directon

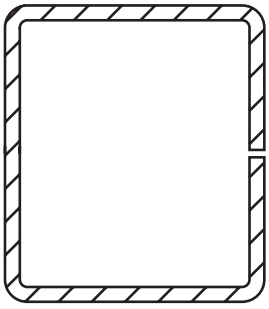
## 2.4 Midrails



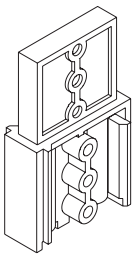

Midrail 107mm
White Profile Art. No. 503815
Laminated Profile Art. No. 573815

| | 287816 | 233671 |
|---|---|---|
| ⇥\|⇤ | 1.5mm | 2mm |
| Ix | 4.05 | 5.1 |
| Iy | 4.93 | 6.35 |

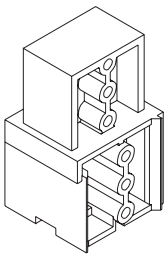
287816 - 35 x 40
233671 - 35x40



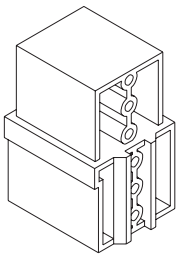
## 2.5 Midrail mechanical joint blocks



Mechanical joint for art.
503555
Art No. 232932



Mechanical joint for art.
503795
Art No. 232942



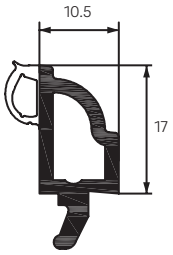
Mechanical joint for art.
503815
Art No. 232962

Note: Ix is in windload directon

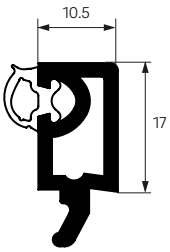
**2.6 Ancillaries**

**Glazing bead**

For 28mm Sealed Units

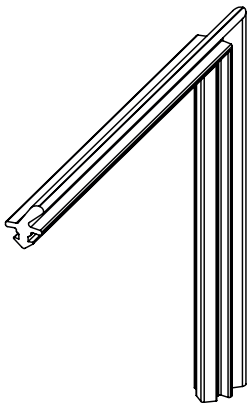



Sculptured Bead - Low Level Co-Ex
White Profile Art. No. 559600
Laminated Profile Art. No. 589600




Square edge bead
White Profile Art. No. 559605
Laminated Profile Art. No. 589605

**Gaskets & brushpile**



Weldable Corner Gasket
Art No. 328217

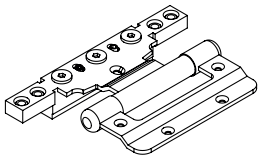
Closing Seal for Door sash and Outerframes
Art No. 329649

12mm Brushpile
Art No. 001476

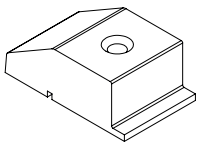
14mm Brushpile
Art No. 314995

**Additional profiles**

Flush door adaptor
Art No. 001469



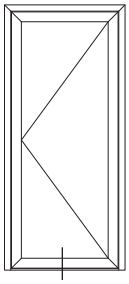
Rio SFS dynamic 3D hinge
Art No. 340684
*Available exclusively to REHAU

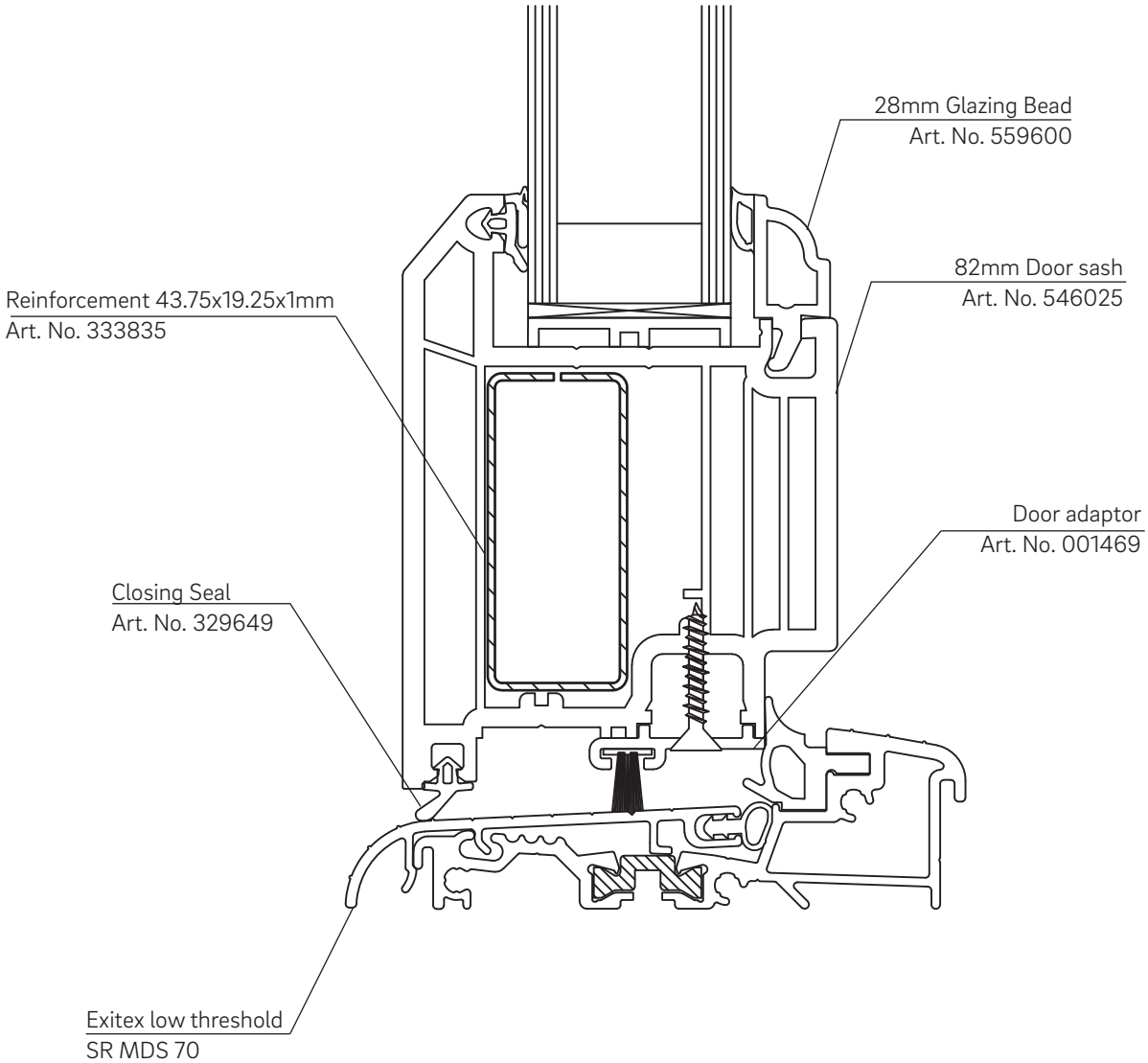


Sash riser block
Art No. 329648

# 03 Production drawings

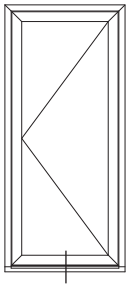
### 3.1 Low threshold detail

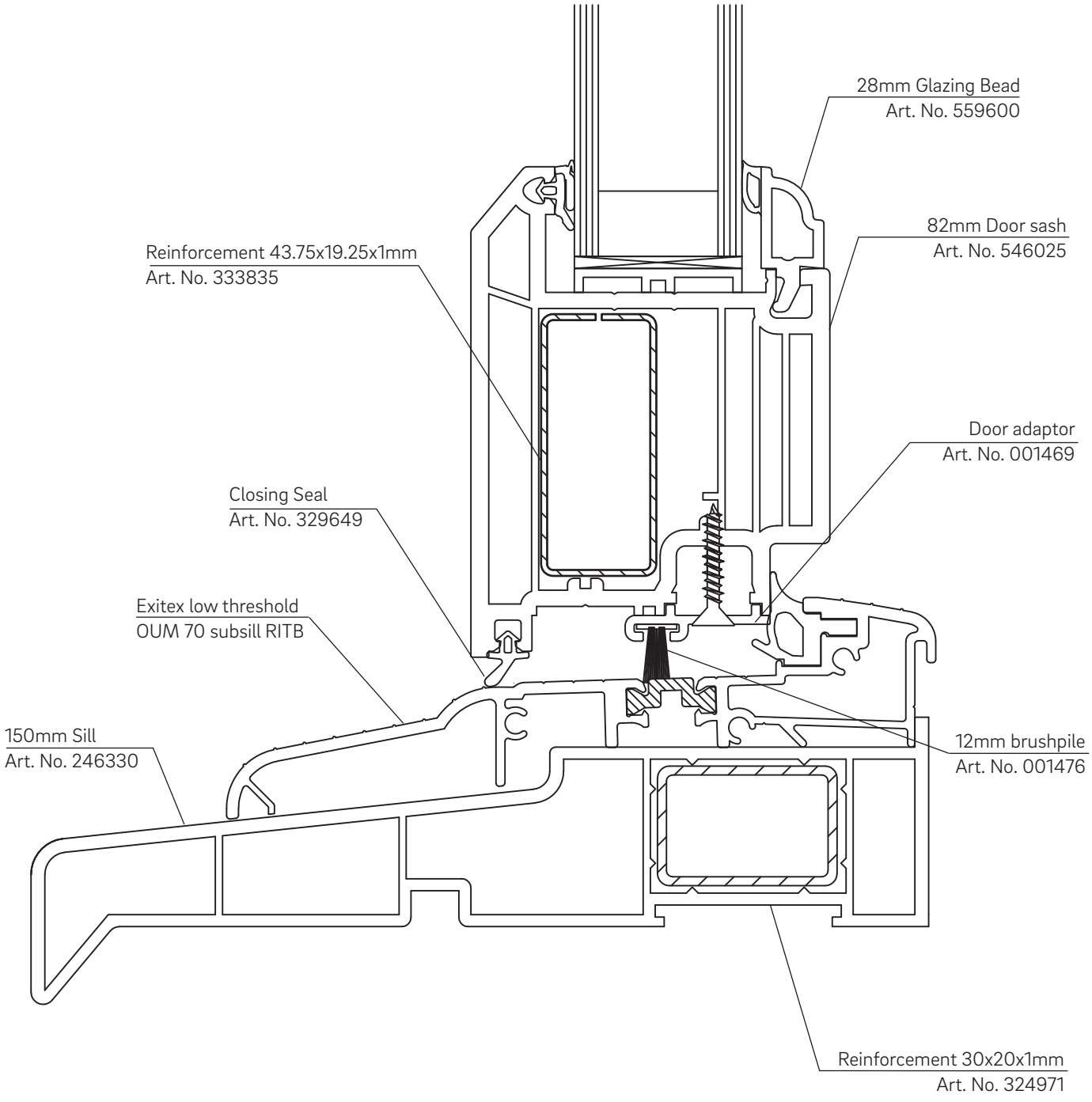




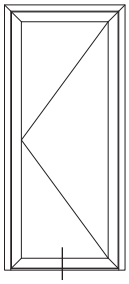

Gasket gap is set at 5mm between sash and threshold. For a 6mm-7mm gap please substitue Article 329649 with 14mm brushpile, Art. 314995.

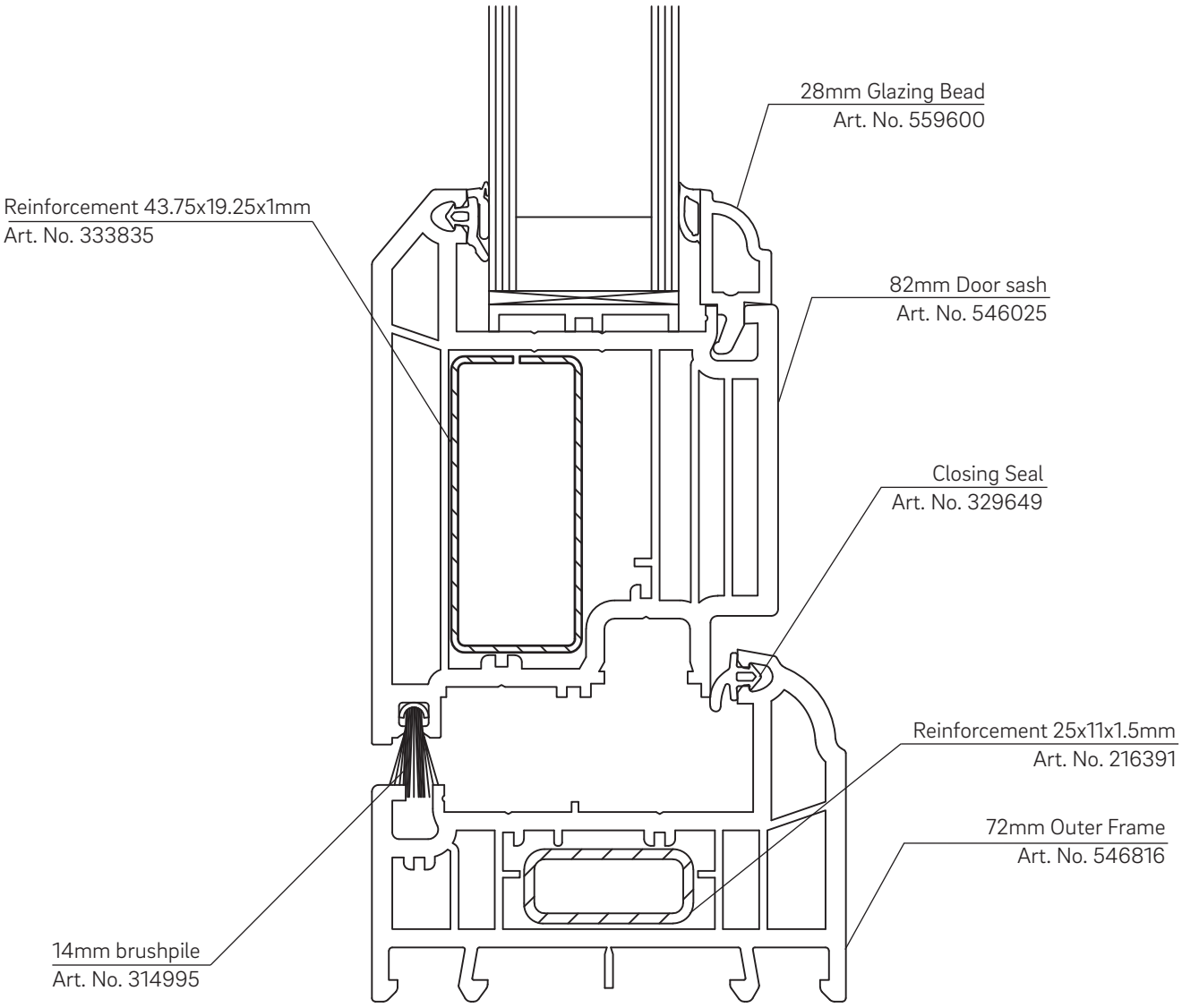
**3.2 Over sill threshold detail**



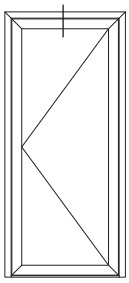


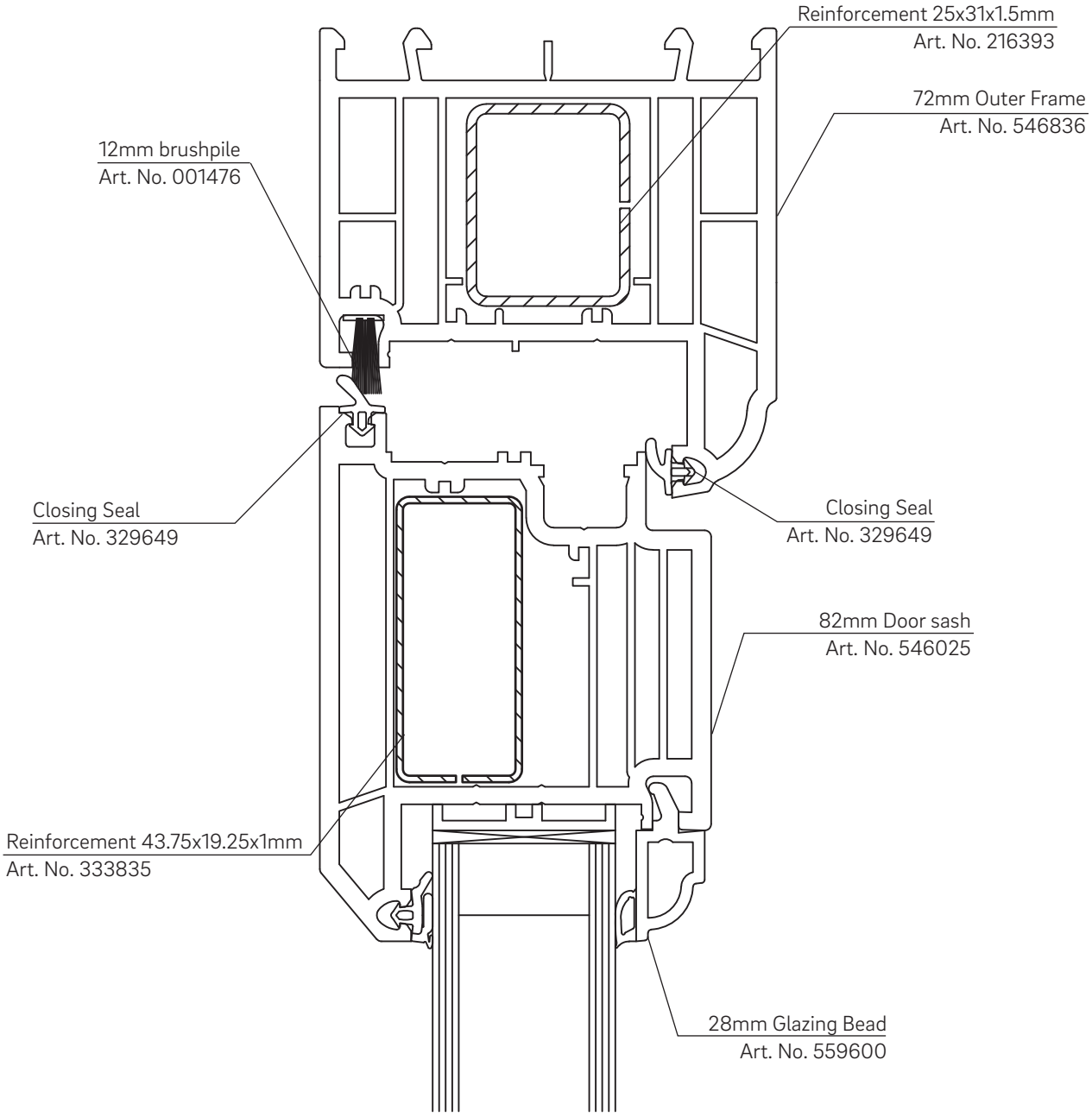
### 3.3 52mm frame threshold option



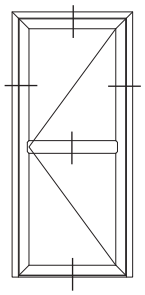


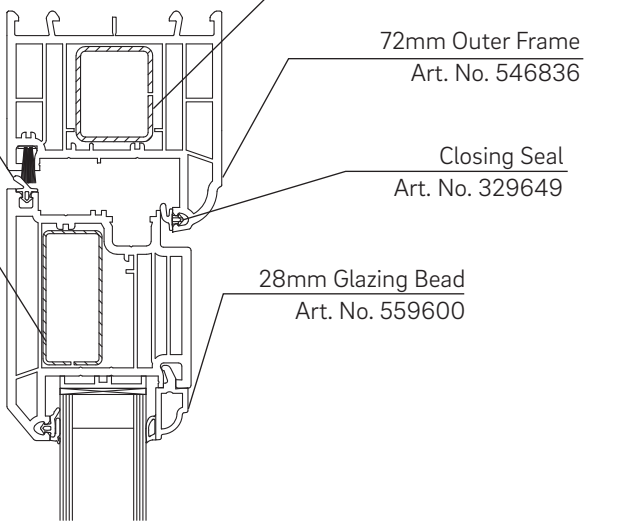
### 3.4 Head detail



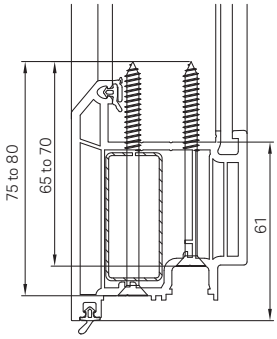


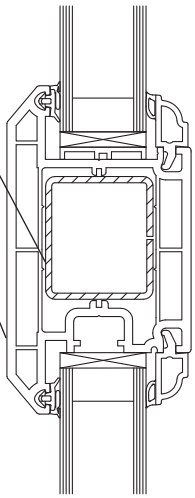
### 3.5 Midrail detail



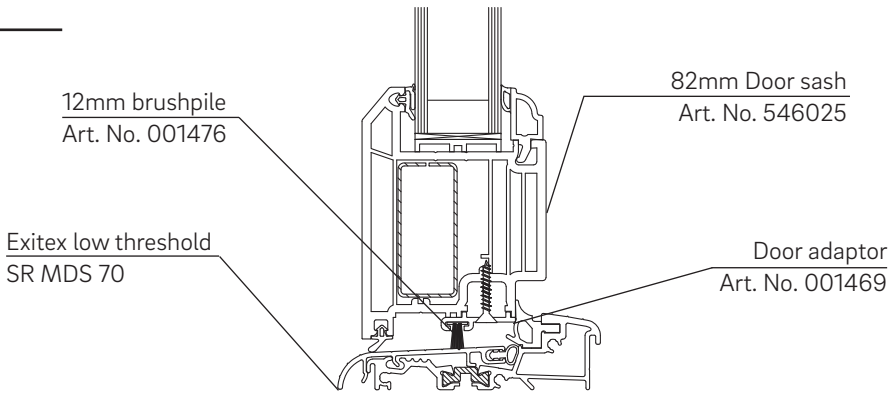


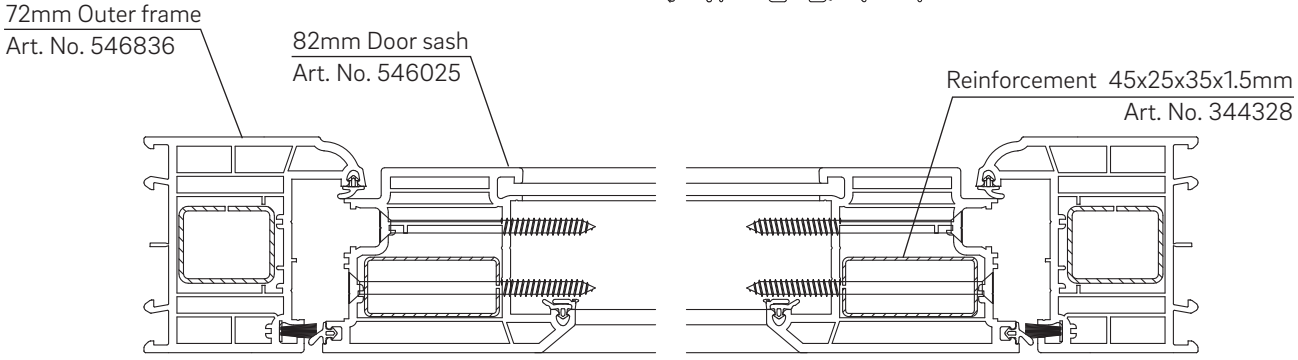

Deduction for midrail, Art. 503815, is -122 less than sash size.



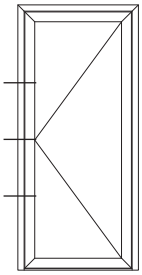



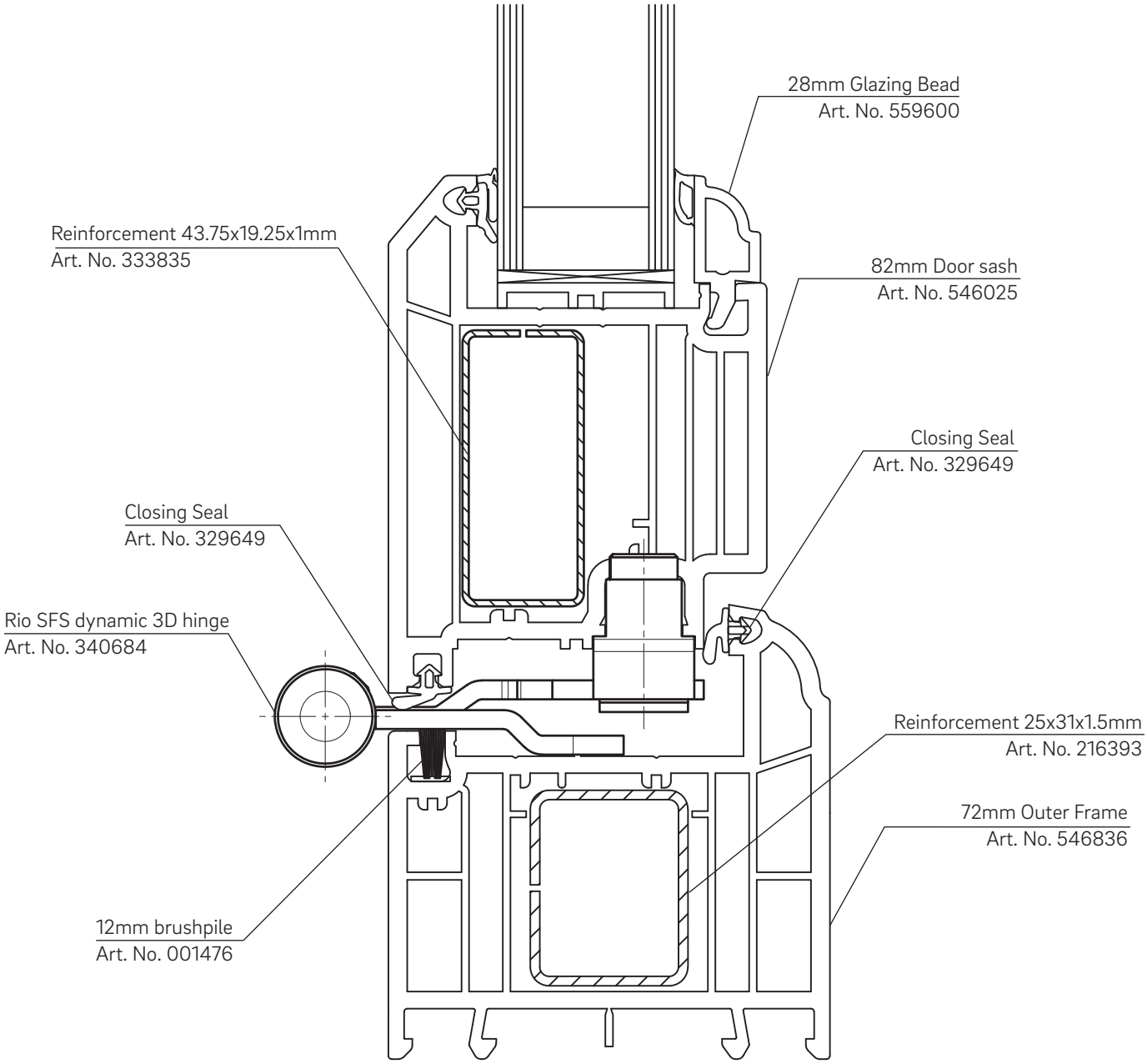

Midrail drainage chamber and Glazing rebate to be sealed off with silicone.



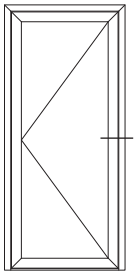



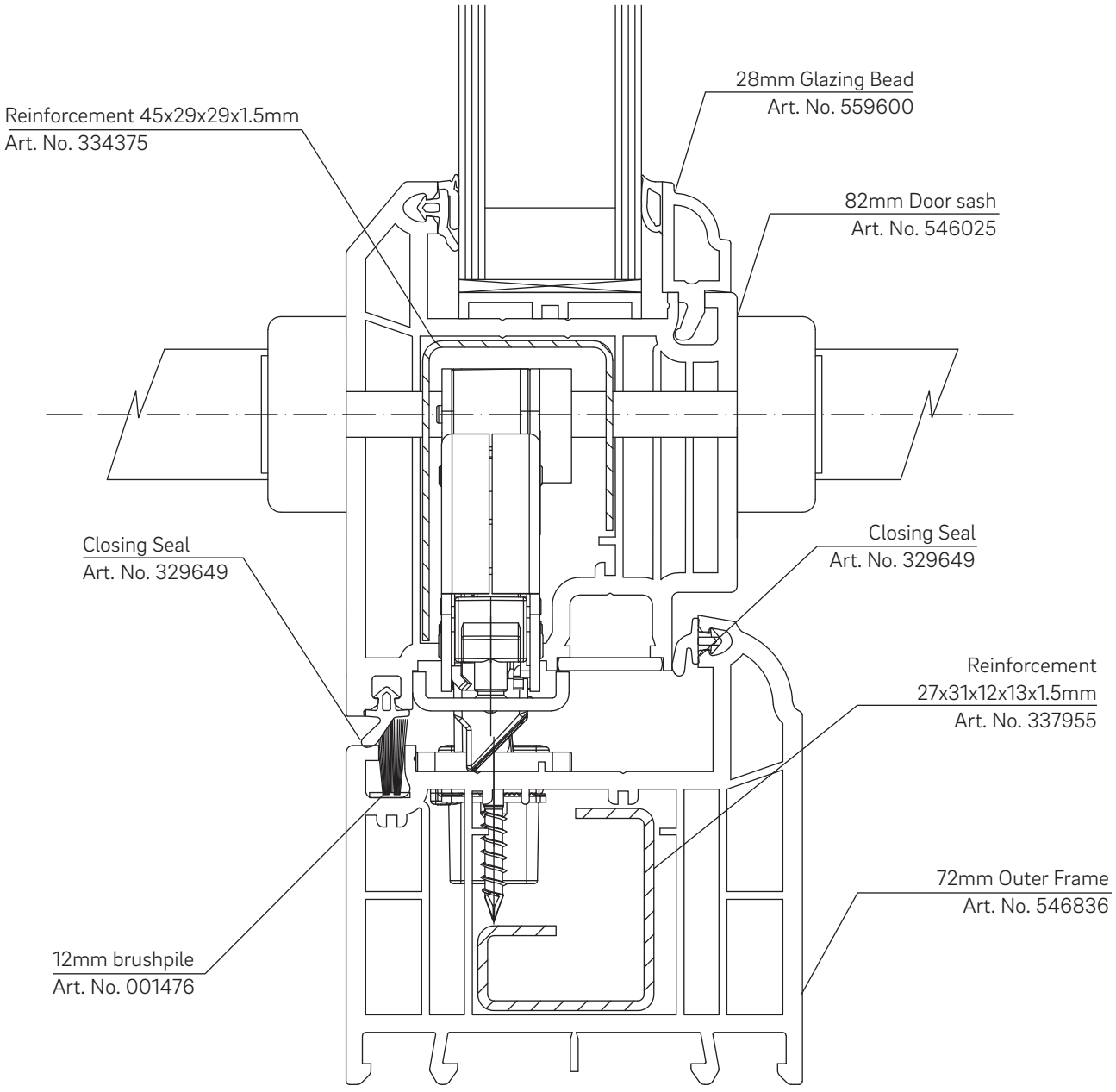
### 3.6 Hardware details - SFS Hinge



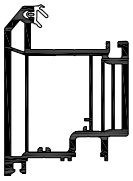


### 3.7 Hardware details - Maco gearing and handle

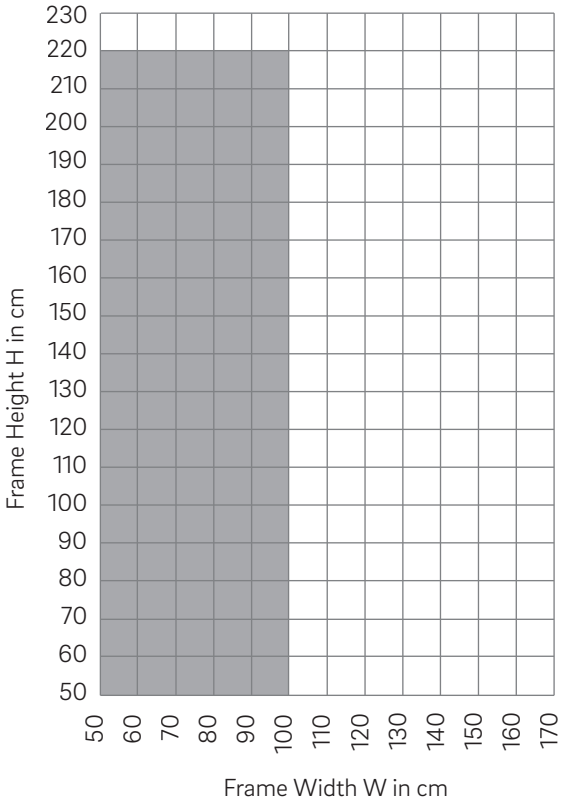


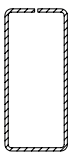
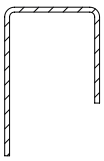


# 04 Maximum sash size recommendations



546025
82mm DBR



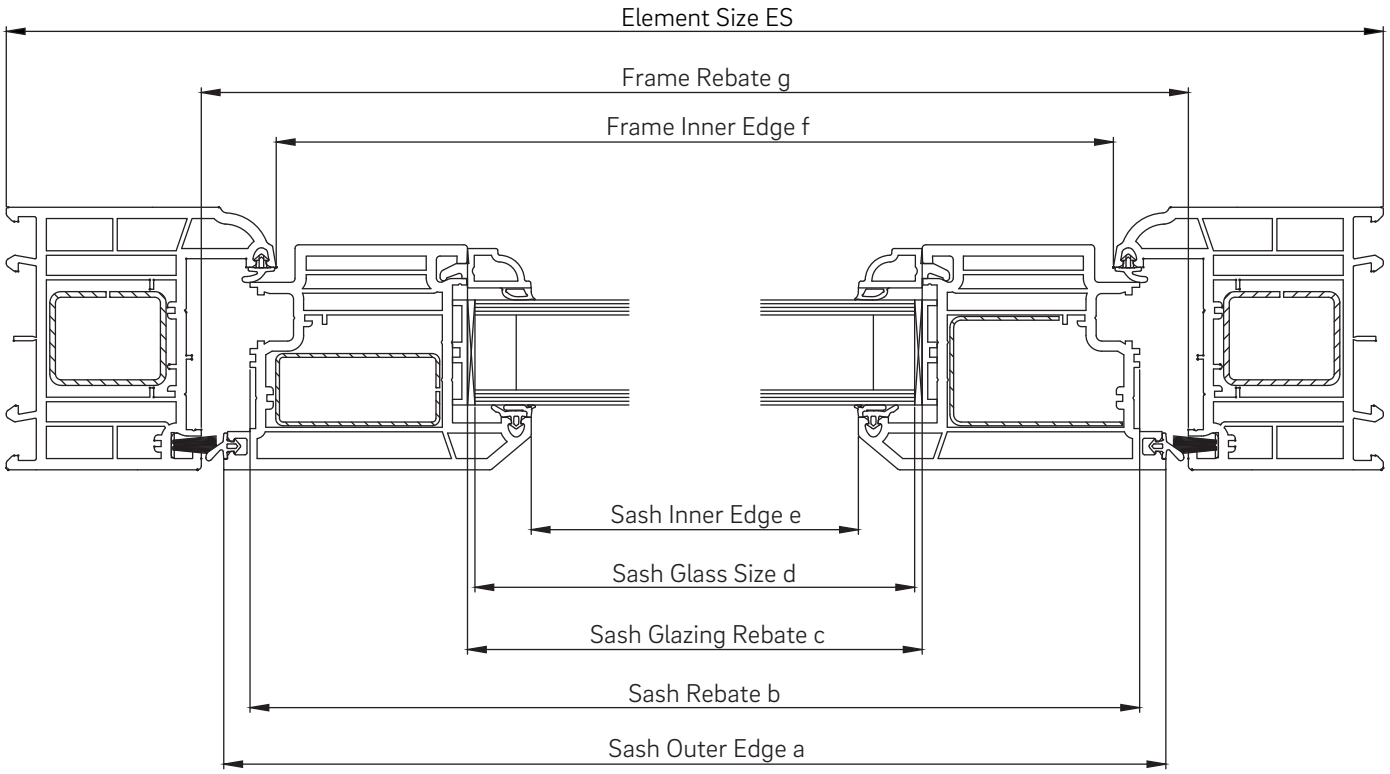

| | Article No. | Reinforcement | Description | I-Value | Maximum sash weight |
|---|---|---|---|---|---|
| | 333835 |  | 43.75x19.25x1mm | Ix 0.79 cm4<br>Iy 2.80 cm4 | 80kg |
| | 334375<br>334376 (Pre-routed) |  | 45x29x29x1.5mm | Ix 1.67 cm4<br>Iy 3.24 cm4 | 80kg |

All sizes and weights subject to hardware suppliers recommendations. Maximum sizes are based on a fully welded configuration.

Note: Ix is in windload directon

# 05 Manufacturing deductions

### 5.1 Horizontal deduction

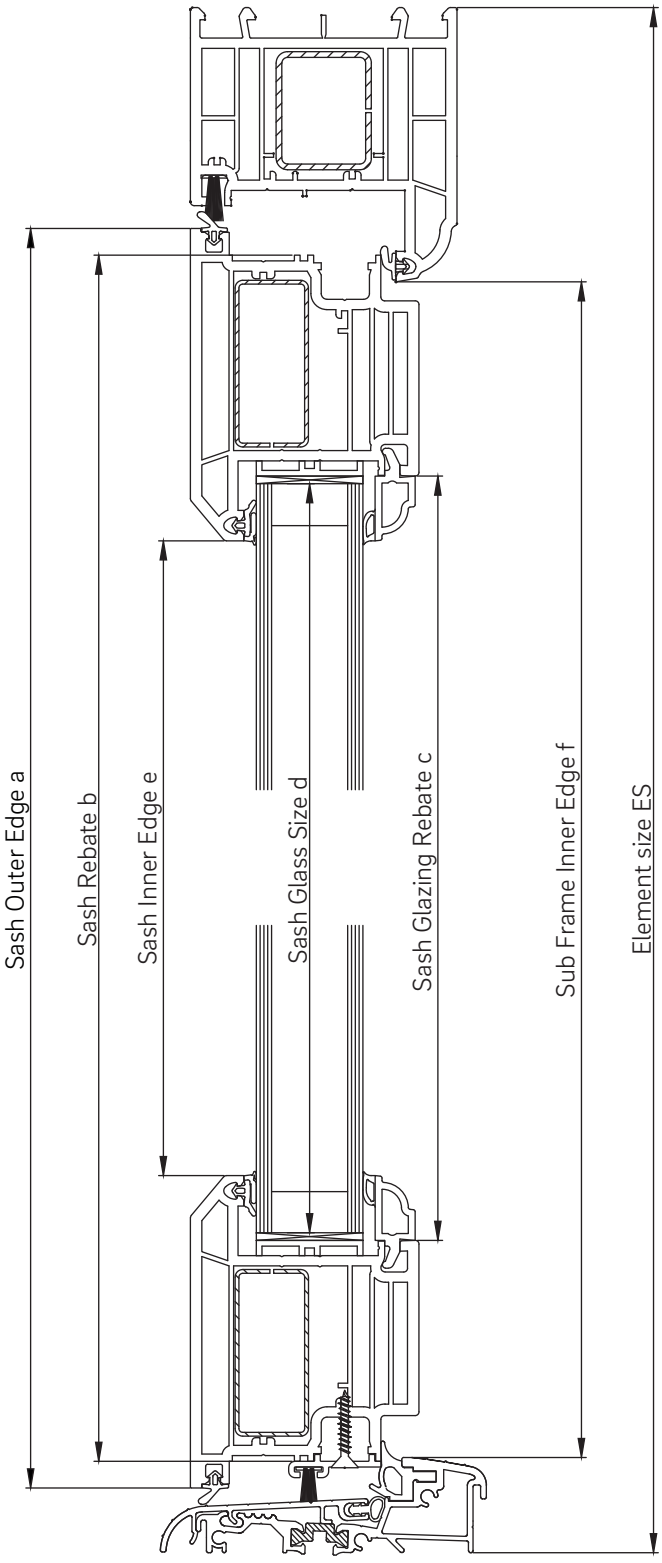



| Deduction | Outer Frame Size |
|---|---|
| | **72mm Universal Frame** |
| **Sash Outer Edge** | a = ES - 116 |
| **Sash Rebate** | b = ES |
| **Sash Glazing Rebate** | c = ES - 246 |
| **Sash Glass Size** | d = ES - 125 |
| **Sash Inner Edge** | e = ES - 280 |
| **Frame Inner Edge** | f = ES - 144 |
| **Frame Rebate** | g = ES - 104 |

ⓘ

Deductions are based on a 6mm external gasket gap

**5.2 Vertical deduction**




| Deduction | Outer Frame Size |
|---|---|
| | **72mm Universal Frame** |
| **Sash outer edge** | a = ES - 75 |
| **Sash rebate** | b = ES |
| **Sash glazing rebate** | c = ES - 205 |
| **Sash glass size** | d = ES - 209 |
| **Sash inner edge** | e = ES - 239 |
| **Sub frame inner edge** | f = ES - 97 |

Deductions are based on a 6mm external gasket gap (5mm with low threshold)

# 06 Reinforcement instructions

**Outer frame**
- All vertical jambs to be reinforced.

**Door sash (Art.No. 546025)**
- Sash members to be reinforced on all 4 sides. Please refer to maximum sash sizes on page 19

**Midrail**
- All midrails to be mechanically jointed.
- Midrail members to be reinforced as required. Structural calculations and I values should be proven to decide the correct steels for the application.

**General notes**
- Reinforcement screw to be located approximately 50mm from each profile end and spaced at approximately 500mm intervals for white profile and 250mm intervals for coloured/foiled, see diagram 1.
- Coloured/foiled profiles must always be reinforced irrespective of size.
- When applying a Midrail into a sash it is essential that one piece steel reinforcement section is applied and secured directly. It is unacceptable to insert two lengths.

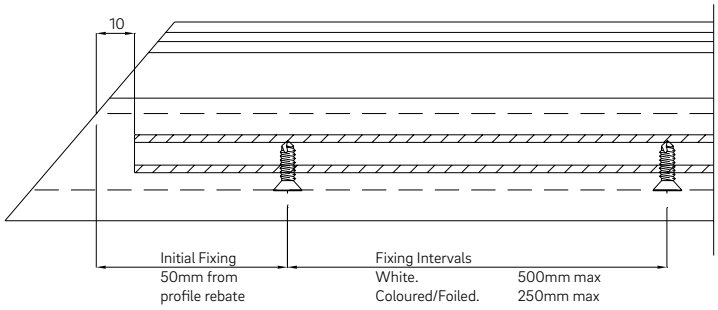
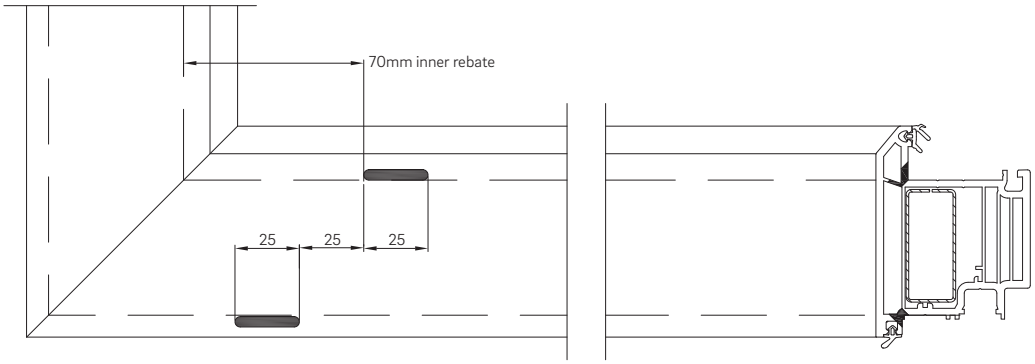


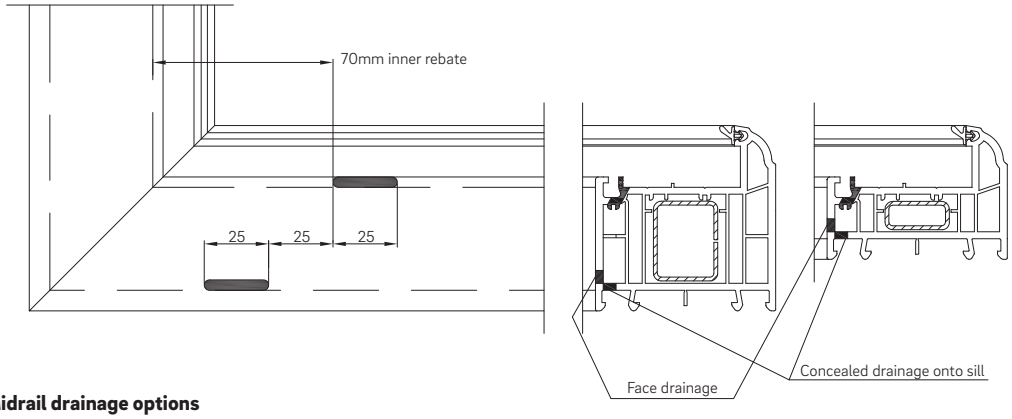

*Diagram 1

# 07 Drainage details

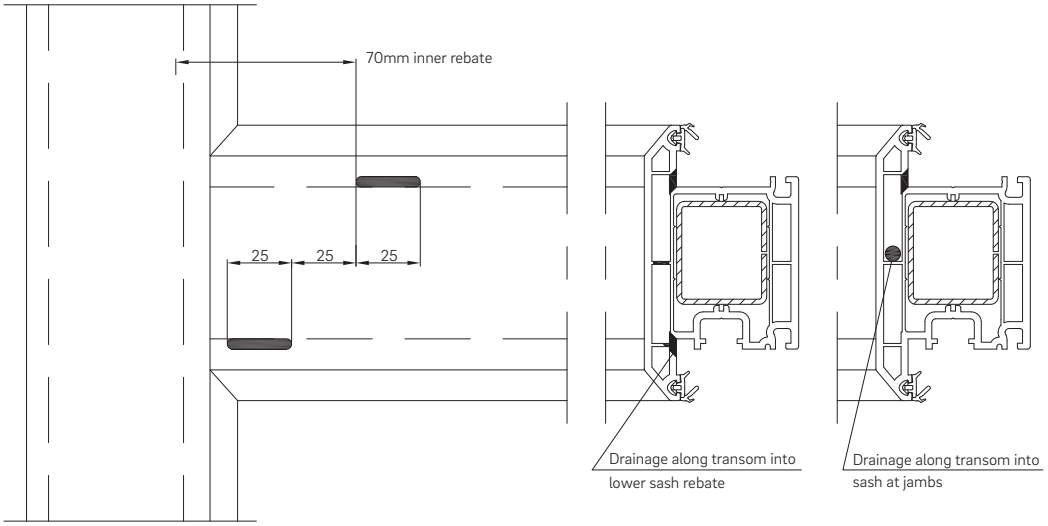
**Flush door sash drainage options**




**Frame drainage options**




**Midrail drainage options**




Low threshold options have been weather tested without any additional drainage requirements. Face drainage on the sash is optional

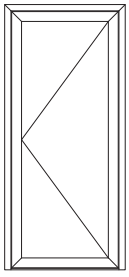
# 08 U-value data

Enhancing the profile selection improves the overall thermal performance of the window not only for DERs, but more importantly the U value - its' ability to retain heat within the building. The aim of which is to achieve a cost saving on energy bills as the amount of heating required will be reduced.

For more information on the REHAU Rio flush door please contact your local sales office.

| Side | Configuration | U Value |
|---|---|---|
| Head | Reinforced 72mm outerframe and door sash | 1.29 |
| | Unreinforced 72mm outerframe and reinforced door sash | 1.27 |
| Jamb - Hinge side | Reinforced 72mm outerframe and door sash | 1.29 |
| Jamb - Gearing side | Reinforced 72mm outerframe and door sash | 1.40 |
| Threshold options | Exitex SR MDS 70 & Sash | 2.59 |
| | Exitex OUM 70 subill RITB with sash and reinforced sill | 2.06 |
| | Exitex OUM 70 subill RITB with sash and unreinforced sill | 1.98 |
| | Reinforced 52mm outerframe | 1.33 |
| | Unreinforced 52mm outerframe | 1.03 |

# 09 Test data

| Style | Report | Description | Results | Size | Specification |
|---|---|---|---|---|---|
|  | BSI 3406708 | Single leaf open out glazed door with full glass and low threshold | Air permeability - Class 2<br>Watertightness - E1050<br>Wind resistance - C3 (1200Pa)<br>Operational strength - Met requirement of BS6375-2:2009<br>Basic security - Met requirement of BS6375-2:2009 | 1000w x 2200h | PAS 24 & SBD compliant<br>KM13358<br>KM76189<br>Approved document Q |

# 10 Product ordering table

| Article Number | Variant Number | Description | Finish | Quantity (metres) | Packaging |
|---|---|---|---|---|---|
| 001469 | 001 | Flush door adaptor | Mill finish aluminium | 120 | Pack |
| 001476 | 001 | 12mm brushpile | Black | 200 | Spool |
| 200022 | 001 | Reinforcement 35 x 30 x 23 x 14 x 16 x 2mm | Steel | 6 | Length |
| 200509 | 001 | Screwported aluminium 35.2 x 12.2 | Steel | 6 | Length |
| 216393 | 001 | Reinforcement 25 x 31 x 1.5mm | Steel | 6 | Length |
| 232932 | 001 | Mechanical joint for article 503555 | White | 100 | Pieces |
| 232942 | 001 | Mechanical joint for article 503795 | White | 100 | Pieces |
| 232962 | 001 | Mechanical joint for article 503815 | White | 100 | Pieces |
| 233641 | 001 | Reinforcement 35 x 30 x 0.8mm | Steel | 6 | Length |
| 233671 | 001 | Reinforcement 35 x 40 x 2mm | Steel | 6 | Length |
| 233721 | 002 | Reinforcement 35 x 12 x 0.8mm | Steel | 6 | Length |
| 250219 | 004 | Reinforcement 35 x 30 x 2mm | Steel | 6 | Length |
| 287798 | 001 | Reinforcement 35 x 12 x 1.5mm | Steel | 6 | Length |
| 287816 | 001 | Reinforcement 35 x 40 x 1.5mm | Steel | 6 | Length |
| 314995 | 001 | 14mm Brushpile | Grey | 100 | Spool |
| 328217 | 001 | Weldable corner gasket | Black | 200 | Pieces |
| 329648 | 001 | Sash riser block | White | 250 | Pieces |
| 329648 | 002 | Sash riser block | Brown | 250 | Pieces |
| 329648 | 003 | Sash riser block | Acorn | 250 | Pieces |
| 329648 | 004 | Sash riser block | Grey | 250 | Pieces |
| 329648 | 005 | Sash riser block | Black | 250 | Pieces |
| 329649 | 001 | Closing seal | Black | 300 | Spool |
| 333835 | 001 | Reinforcement 43.75 x 19.25 x 1mm | Steel | 6 | Length |
| 334375 | 001 | Reinforcement 45 x 29 x 29 x 1.5mm | Steel | 2.2 | Length |
| 334376 | 001 | Reinforcement 45 x 29 x 29 x 1.5mm (Pre-routed) | Steel | 2.2 | Length |
| 337955 | 002 | Reinforcement 27 x 31 x 12 x 13 x 1.5mm | Steel | 2 | Length |
| 340684 | 001 | Rio SFS dynamic 3D hinge | White | 12 | Pack |
| 340684 | 002 | Rio SFS dynamic 3D hinge | Black | 12 | Pack |
| 344328 | 001 | Reinforcement 45.65 x 25 x 35.25 x1.5mm | Steel | 2.2 | Length |
| 503555 | 701 | Midrail 70mm | White | 36 | Pack |
| 503795 | 701 | Midrail 88mm | White | 36 | Pack |
| 503815 | 701 | Midrail 107mm | White | 24 | Pack |

| Article Number | Variant Number | Description | Finish | Quantity (metres) | Packaging |
|---|---|---|---|---|---|
| 546025 | 701 | 82mm door sash | White | 24/480 | Pack / Stillage |
| 546415 | 701 / 901 | Sculptured 52mm threshold | White | 48/768 | Pack / Stillage |
| 546435 | 701 / 901 | Sculptured universal outer frame 72mm | White | 36 / 480 | Pack / Stillage |
| 546816 | 701 / 901 | Chamfered 52mm threshold | White | 48/768 | Pack / Stillage |
| 546836 | 701 / 901 | Chamfered universal outer frame 72mm | White | 36 / 480 | Pack / Stillage |
| 559600 | 701 | 28mm Sculptured bead | White | 144 | Pack |
| 559605 | 701 | 28mm Square edge bead | White | 144 | Pack |
| **Foiled article numbers - for foil variants and Standard / Non-standard information please see matrix on page 28/29** | | | | | |
| 573555 | - | Midrail 70mm | Foil | 12 | Pack |
| 573795 | - | Midrail 88mm | Foil | 12 | Pack |
| 573815 | | Midrail 107mm | Foil | 12 | Pack |
| 586025 | - | 82mm door sash | Foil | 36 / 12 | Pack |
| 586415 | - | Sculptured 52mm threshold | Foil | 36 / 12 | Pack |
| 586435 | - | Sculptured universal outer frame 72mm | Foil | 36 / 12 | Pack |
| 586816 | - | Chamfered 52mm threshold | Foil | 36 / 12 | Pack |
| 586836 | - | Chamfered universal outer frame 72mm | Foil | 36 / 12 | Pack |
| 589600 | - | 28mm Sculptured bead | Foil | 36 | Pack |
| 589605 | - | 28mm Square edge bead | Foil | 72 | Pack |

# 11 Foil matrix

| Description | Article Number | Pack Size | Turner Oak on White | Turner Oak Both Sides on Acorn | Golden Oak on White | Golden Oak Both Sides on Acorn | Rosewood on White | Rosewood Both Sides on Brown | Black Brown on White | Black Brown Both Sides on Brown |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2031L | | 7512 | | 168L | | 9631 | |
| **82mm DBR** | 586025 | 12 | 335 (A) | 325 (AB) | 321 (A) | 351 (AB) | 221 (A) | 251 (AB) | 760 (A) | 750 (AB) |
| **Sculptured Universal Outer Frame 72mm** | 586435 | 36/12* | 335* (A) | 325* (AB) | 321 (A) | 351 (AB) | 221 (A) | 251 (AB) | 760* (A) | 750* (AB) |
| **Chamfered Universal Outer Frame 72mm** | 586836 | 36/24**/12* | 335* (A) | 325* (AB) | 321 (A) | 351 (AB) | 221 (A) | 251 (AB) | 760* (A) | 750* (AB) |
| **Midrail 70mm** | 573555 | 12 | 543 (B) | 325 (AB) | 163 (B) | 153 (AB) | 162 (B) | 152 (AB) | 067 (B) | 057 (AB) |
| **Midrail 88mm** | 573795 | 12 | 543 (B) | 325 (AB) | 163 (B) | 153 (AB) | 162 (B) | 152 (AB) | 067 (B) | 057 (AB) |
| **Midrail 107mm** | 573815 | 12 | 533 (A) | 325 (AB) | 123 (A) | 153 (AB) | 122 (A) | 152 (AB) | 027 (A) | 057 (AB) |
| **28mm Sculptured Bead** (All with black gasket) | 589600 | 72 | | 325 | | 790 | | 270 | | 750 |
| **Square edge bead** (All with black gasket) | 589605 | 72 | | 325 | | 790 | | 270 | | 750 |
| **Sculptured 52mm threshold** | 586415 | 36/12* | 335* (A) | 325* (AB) | 321 (A) | 351 (AB) | 221 (A) | 251 (AB) | 760* (A) | 750* (AB) |
| **Chamfered 52mm threshold** | 586816 | 36/12* | 335* (A) | 325* (AB) | 321 (A) | 351 (AB) | 221 (A) | 251 (AB) | 760* (A) | 750* (AB) |

| Anthracite Grey (Grained) on White | Anthracite Grey (Grained) Both Sides on Grey | Slate Grey (Grained) on White | Slate Grey (Grained) Both Sides on Grey | Chartwell Green on White | Chartwell Green Both Sides on White | Pearl Grey on White | Pearl Grey Both Sides on White | Clotted Cream on White | Clotted Cream Both Sides on White | Simply White on White | Simply White Both Sides on White | Smooth Anthracite Grey on White | Smooth Anthracite Grey Both Sides on Grey | Midnight Black on White |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4443** | | **1062L** | | **1209L** | | **5855** | | **4444** | | **9734** | | **930L** | | **1980L** |
| 746 (A) | 156 (AB) | 016 (A) | 111 (AB) | 277 (A) | 257 (AB) | 018 (A) | 077 (AB) | 778 (A) | 739 (AB) | 728 (A) | 134 (AB) | 446 (A) | 186 (AB) | 530 (A) |
| 746 (A) | 156 (AB) | 016* (A) | 111* (AB) | 277* (A) | 257* (AB) | 018* (A) | 077* (AB) | 778* (A) | 739* (AB) | 728* (A) | 134* (AB) | 446* (A) | 186* (AB) | 530* (A) |
| 746** (A) | 156* (AB) | 016* (A) | 111* (AB) | 277* (A) | 257* (AB) | 018* (A) | 077* (AB) | 778* (A) | 739* (AB) | 728* (A) | 134* (AB) | 446* (A) | 186* (AB) | 530* (A) |
| 687 (B) | 650 (AB) | 160 (B) | 110 (AB) | 872 (B) | 725 (AB) | 190 (B) | 770 (AB) | 087 (B) | 039 (AB) | 457 (B) | 431 (AB) | 644 (B) | 681 (AB) | 035 (B) |
| 687 (B) | 650 (AB) | 160 (B) | 110 (AB) | 872 (B) | 725 (AB) | 190 (B) | 770 (AB) | 087 (B) | 039 (AB) | 457 (B) | 431 (AB) | 644 (B) | 681 (AB) | 035 (B) |
| 647 (A) | 650 (AB) | 610 (A) | 110 (AB) | 772 (A) | 725 (AB) | 810 (A) | 770 (AB) | 877 (A) | 039 (AB) | 827 (A) | 431 (AB) | 064 (A) | 681 (AB) | 075 (A) |
| | 746 | | 016 | | 257 | | 018 | | 778 | | 754 | | 446 | |
| | 746 | | 016 | | 257 | | 018 | | 778 | | 754 | | 446 | |
| 746* (A) | 156 (AB) | 016* (A) | 111* (AB) | 277* (A) | 257* (AB) | 018* (A) | 077* (AB) | 778* (A) | 739* (AB) | 728* (A) | 134* (AB) | 446* (A) | 186* (AB) | 530* (A) |
| 746 (A) | 156 (AB) | 016* (A) | 111* (AB) | 277* (A) | 257* (AB) | 018* (A) | 077* (AB) | 778* (A) | 739* (AB) | 728* (A) | 134* (AB) | 446* (A) | 186* (AB) | 530* (A) |

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07.2021