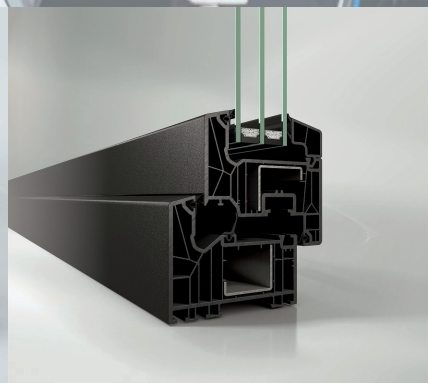
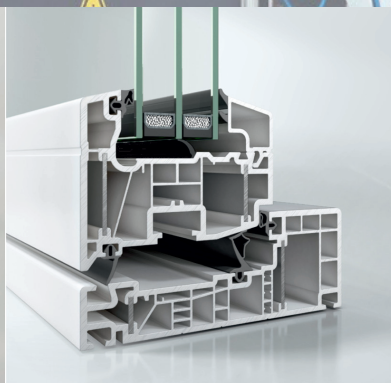
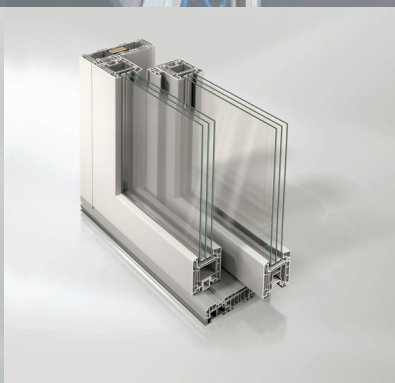
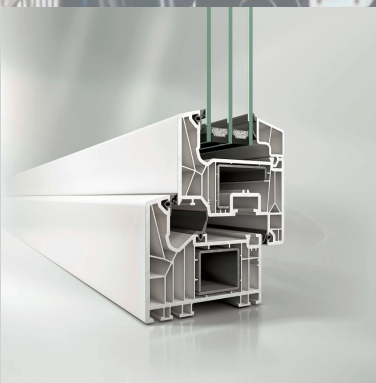




LASTRIK

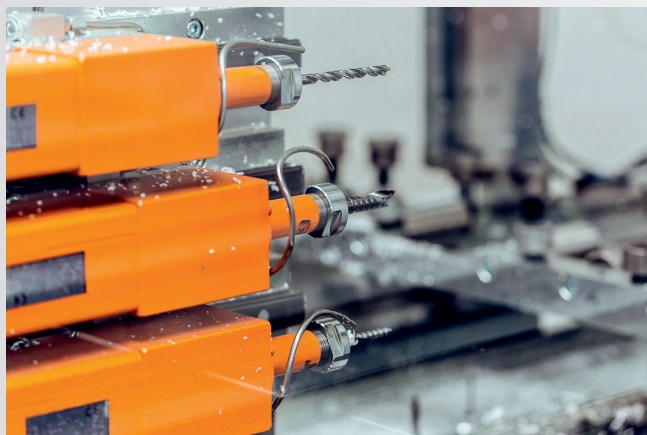
FABRYKA OKIEN I DRZWI
Z PCV I ALUMINIUM



TECHNICAL CATALOGUE

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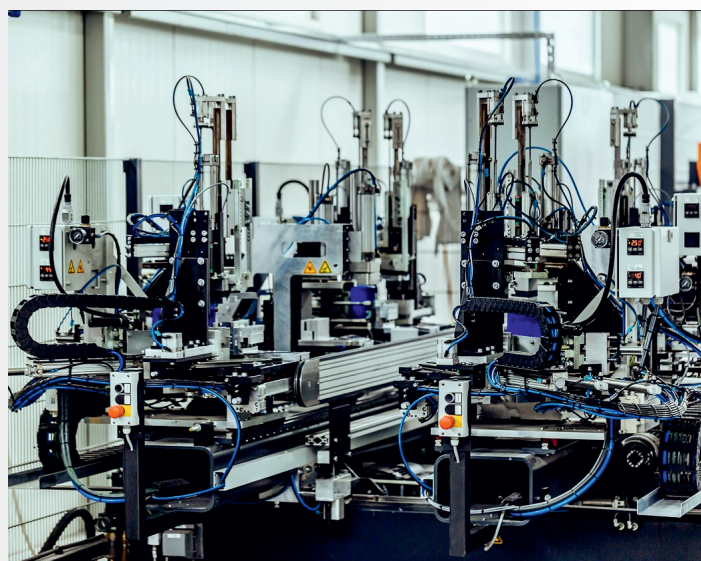
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FACTORY OF PVC WINDOWS AND DOORS LASTRIK


(abbreviated FOID Lastrik) was founded in 1969. Our leading product is PVC window frames produced in 16 Schüeco subsystems. Modern technological line, experience, open approach, constant search for technological novelties and testing them allows for creating high quality windows and doors.

We export our products to 11 European countries.




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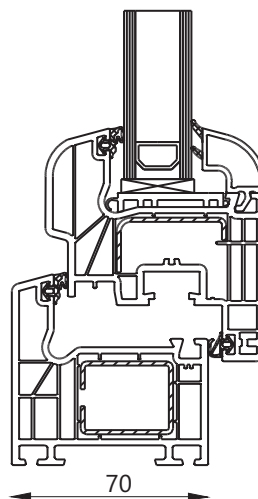
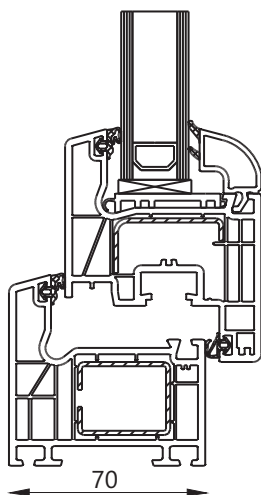


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PCV WINDOWS

SYSTEMS OVERVIEW

SCHÜCO

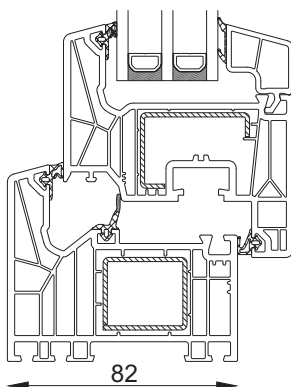


CLASSIC

RONDO

CT 70

5 - CELL 2- GASKET $U = 1,38$



CLASSIC MD

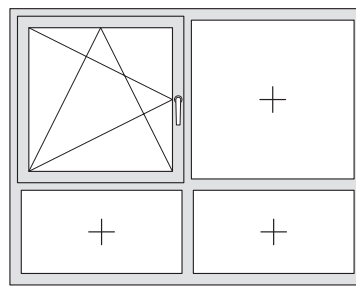
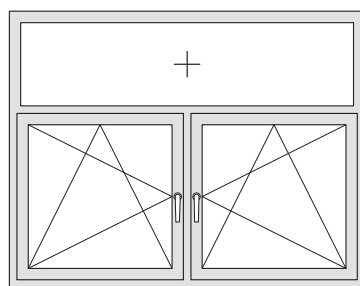
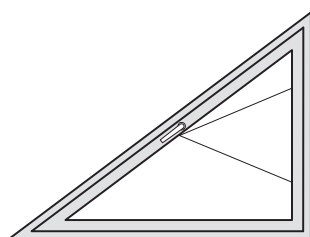
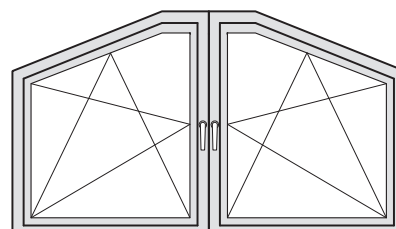
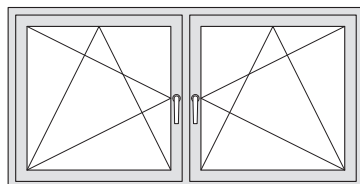
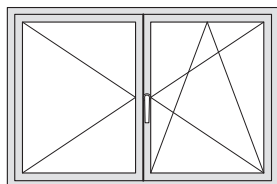
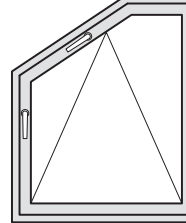
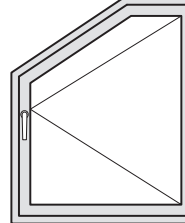
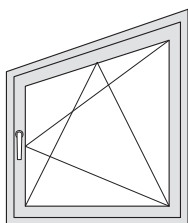
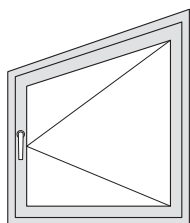
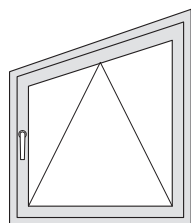
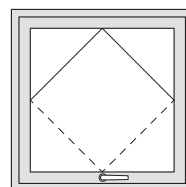
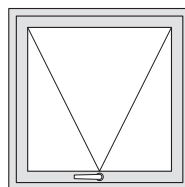
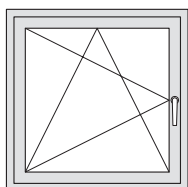
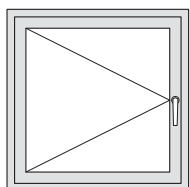
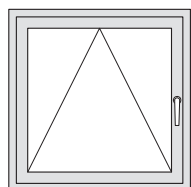
LIVING 82

7 - CELL 3- GASKET $U = 0,96$

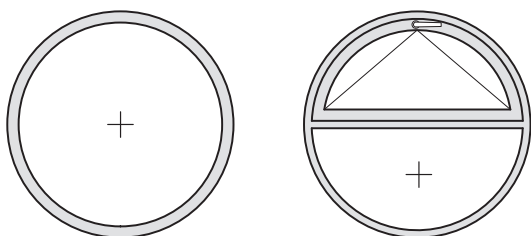
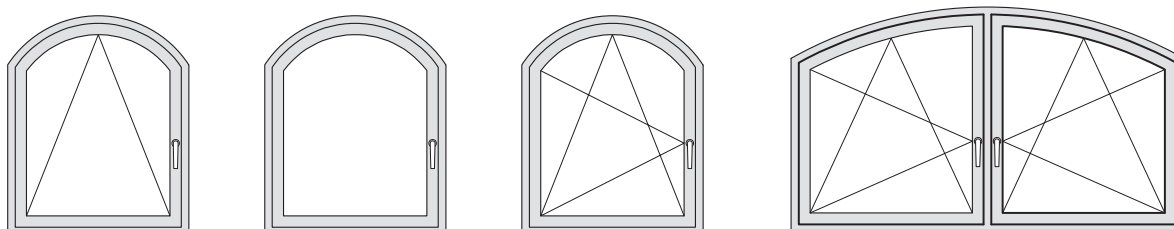
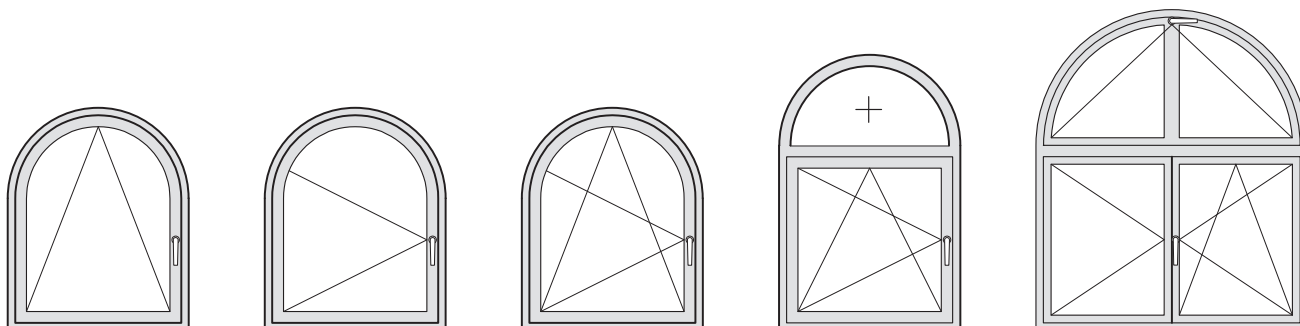
WINDOW AND DOOR TYPES AVAILABLE WITHIN SYSTEMS

PROFILES - FITTINGS	CT70	LIVING	LIVINGSIDE
FIXED WINDOWS	V	V	X
WINDOWS & BALCONY DOORS OPENABLE	V	V	X
WINDOWS & BALCONY DOORS TILT AND TURN	V	V	X
WINDOWS & BALCONY DOORS TILT	V	V	X
WINDOWS & BALCONY DOORS SLIDING	X	X	X
WINDOWS & BALCONY DOORS WITH FLOATING MULLION	V	V	X
WINDOWS WITH CENTERED HANDLE	V ₁	V	X
BALCONY DOORS WITH HANDLE INSIDE AND OUTSIDE	V ₁	V	X
PATIO DOORS INWARD GOING	V	V	X
PATIO DOORS OUTWARD GOING	V ₁	V	X
PATIO DOORS PASK (TILT AND SLIDE)	V	V	X
PATIO DOORS FOLDING	V	X	X
MAIN DOOR INWARD GOING	V ₁	V	X
MAIN DOOR OUTWARD GOING	V ₁	V	X
DOOR LIFT AND SLIDE	X	X	V
1 CLASSIC MODEL ONLY			

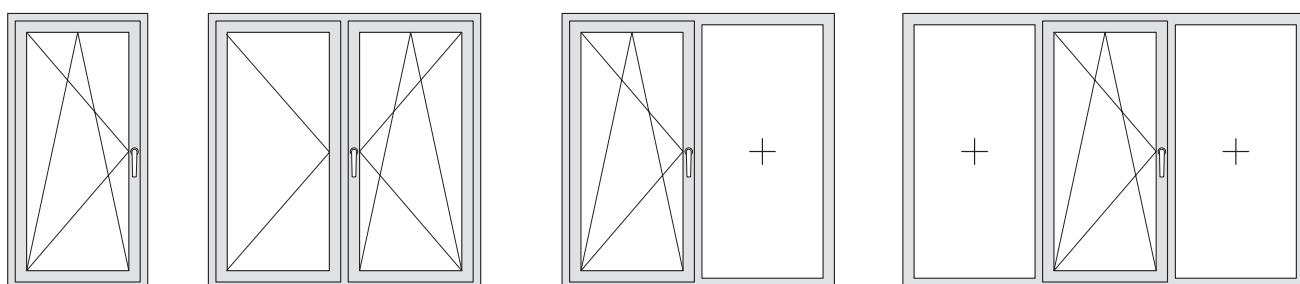
EXAMPLES OF WINDOW TYPES



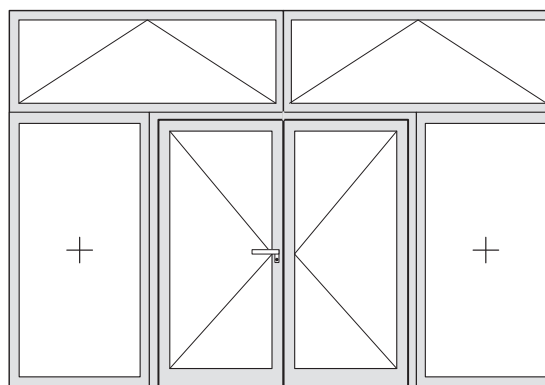
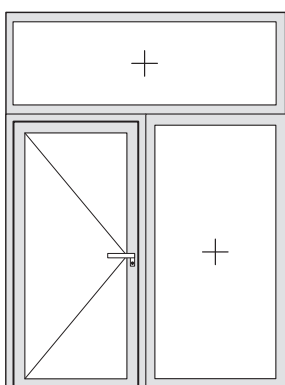
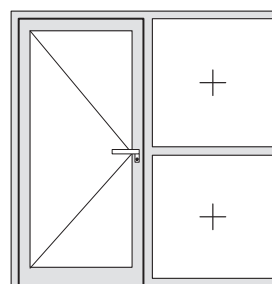
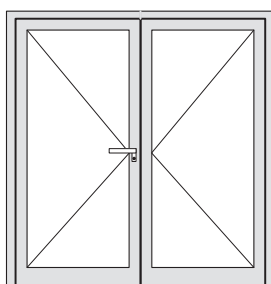
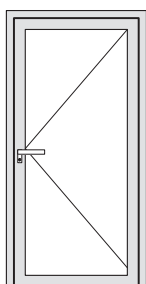
EXAMPLES OF WINDOW TYPES



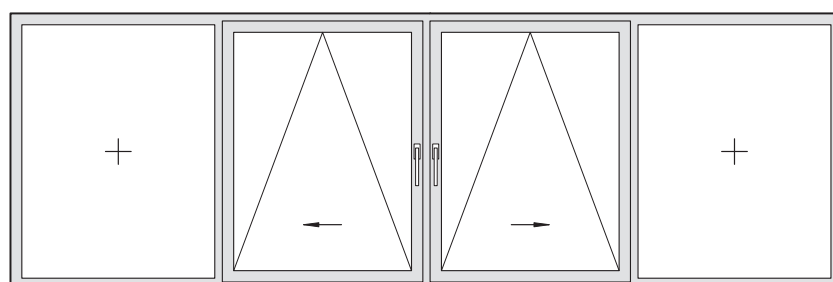
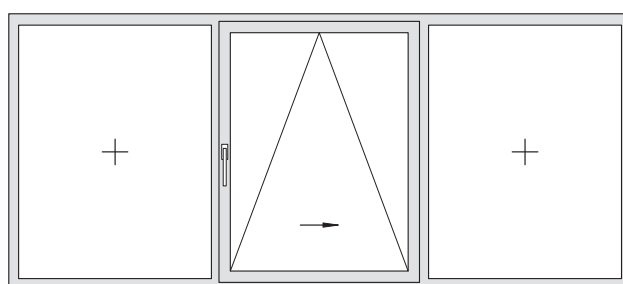
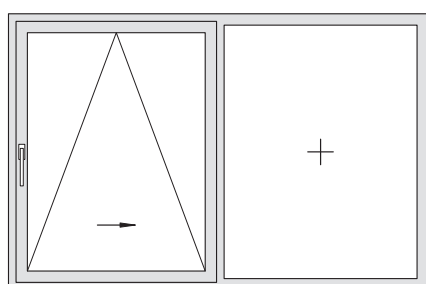
BALCONY DOORS

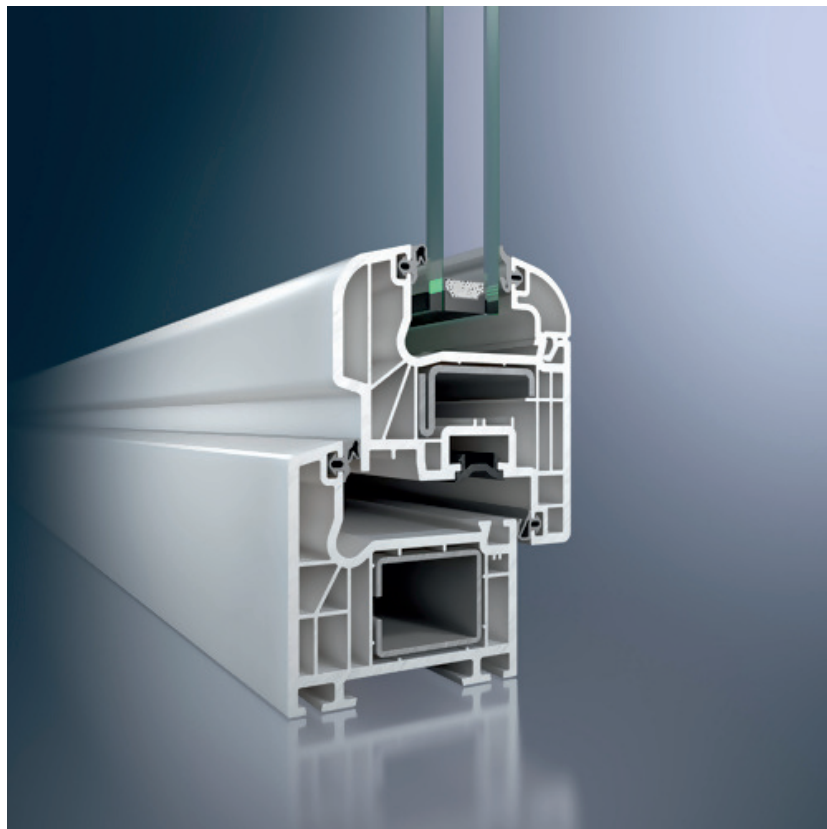


EXAMPLES OF MAIN DOOR TYPES

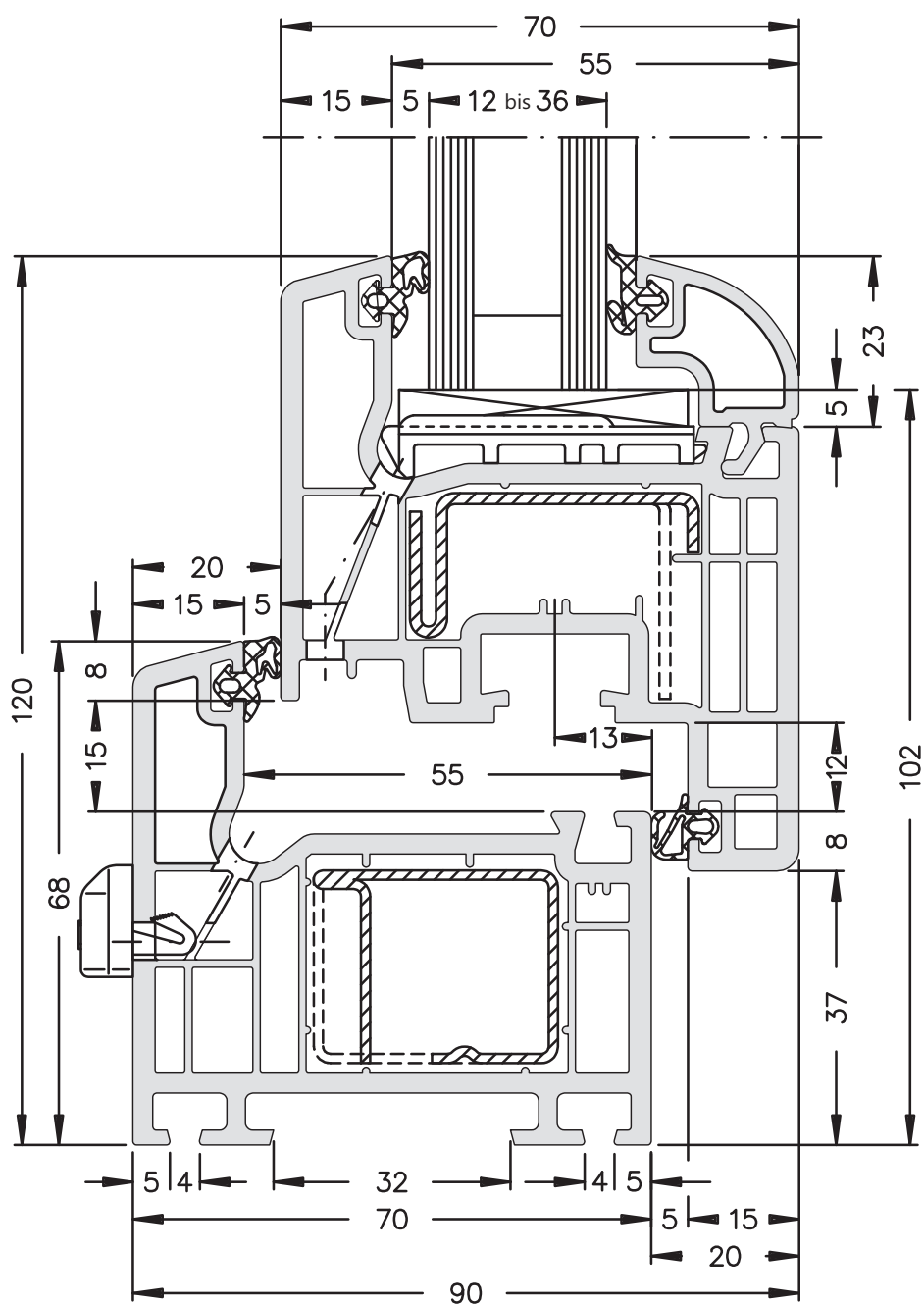


EXAMPLES OF TILT & SLIDE DOOR TYPES

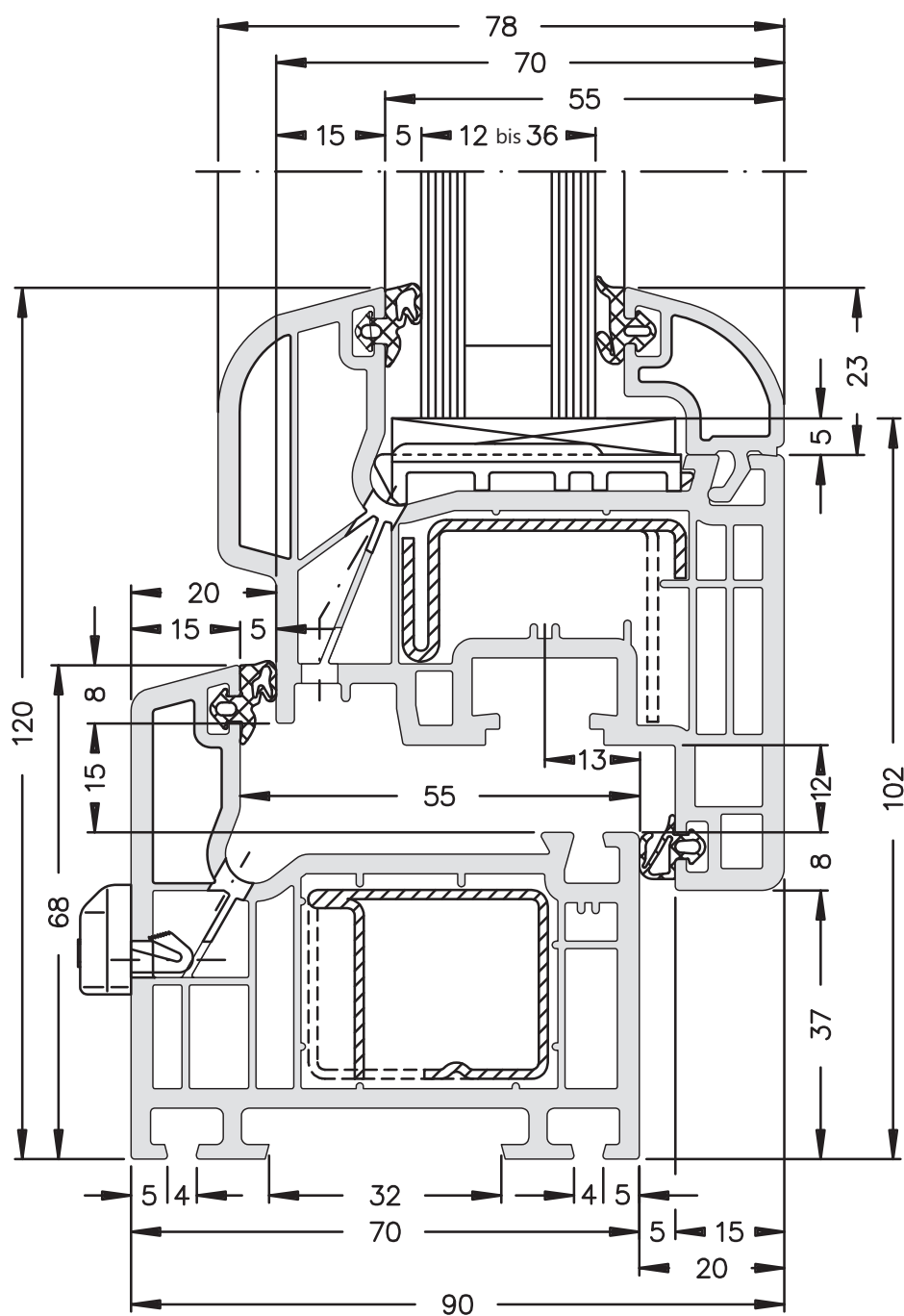




CT70 AS - CLASSIC - BASIC DIMENSIONS



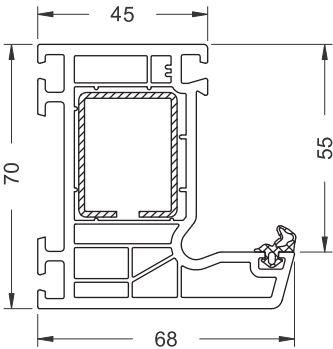
CT70 AS - RONDO - BASIC DIMENSIONS



CT70 - FRAMES

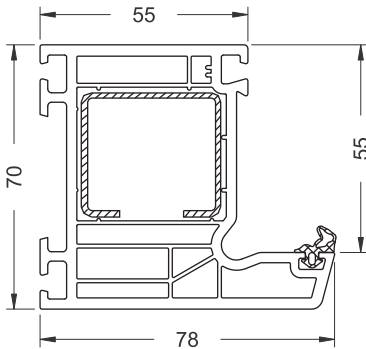
STANDARD 68mm

8865



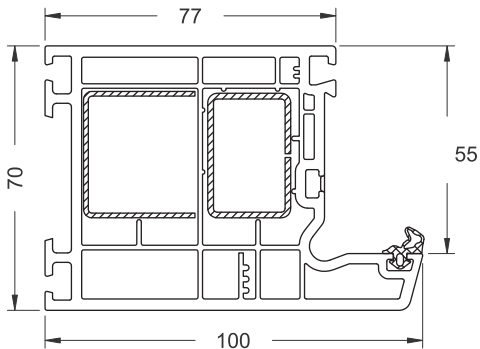
STANDARD 78mm

8864



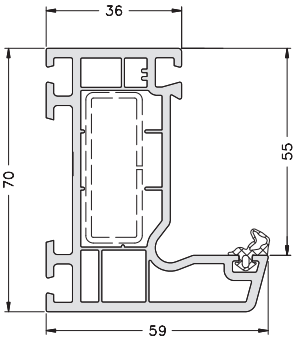
STANDARD 100mm

8570



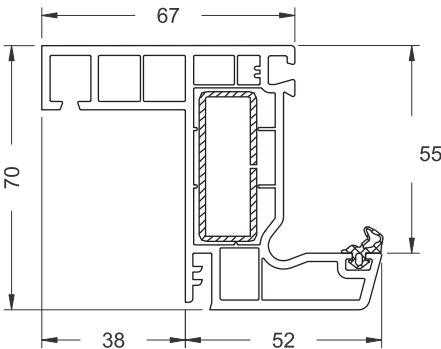
NARROW

9009



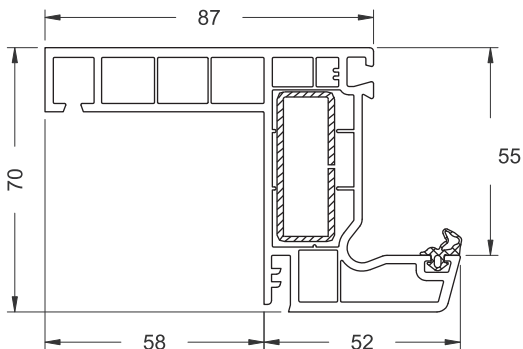
RENOVATION 38mm

8899

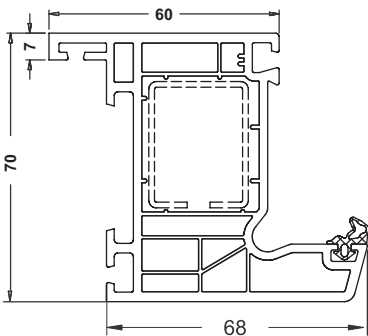


RENOVATION 58mm

9011

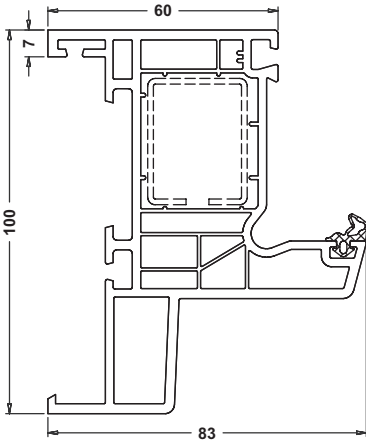


8065



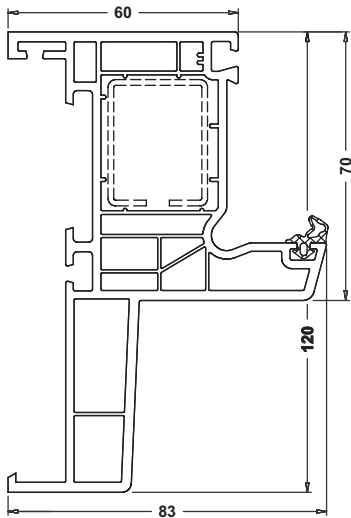
MONO 100mm

9163



MONO 120mm

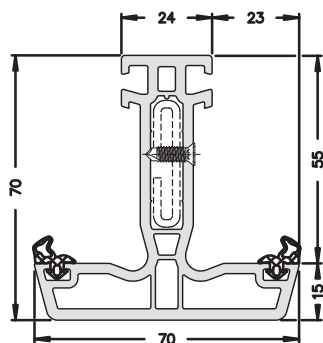
9164



CT70 - MULLIONS

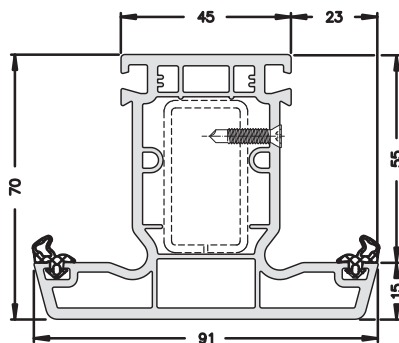
NARROW (FIXED)

8520



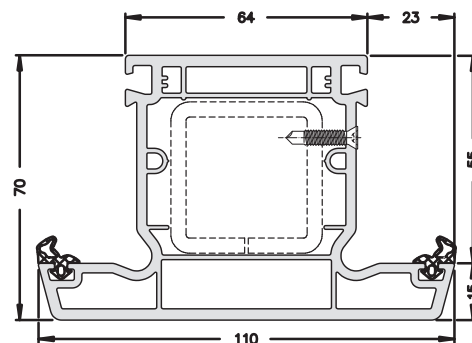
STANDARD (FIXED)

8869



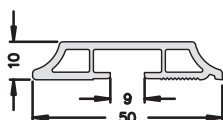
WIDE (FIXED)

8848



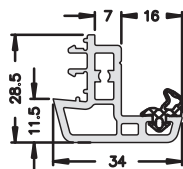
CENTERED HANDLE PROFILE

8414



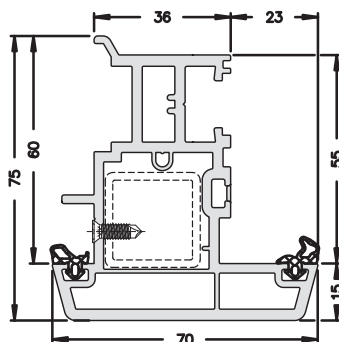
MINI (FLOATING)

9606



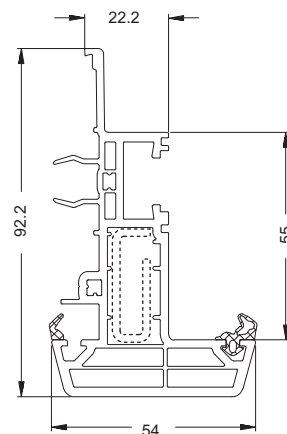
STANDARD (FLOATING)

9701



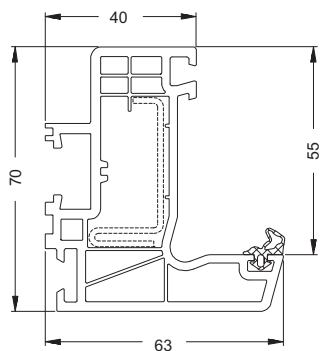
FLOATING 54 mm

9700



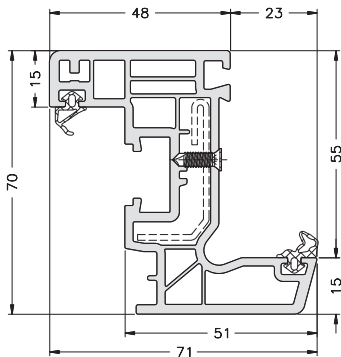
SASH PROFIL TO THE MINI MULLION 63 mm

8898

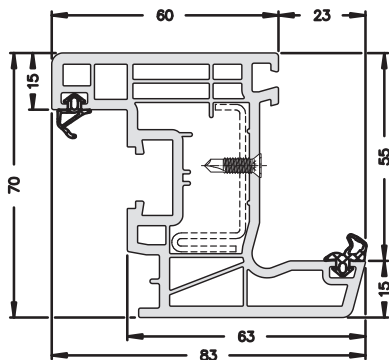


CT70 CLASSIC - SASH PROFILE

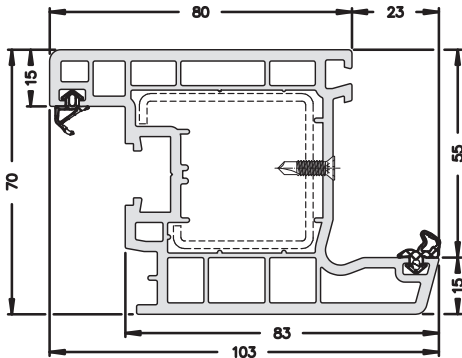
NARROW
9053



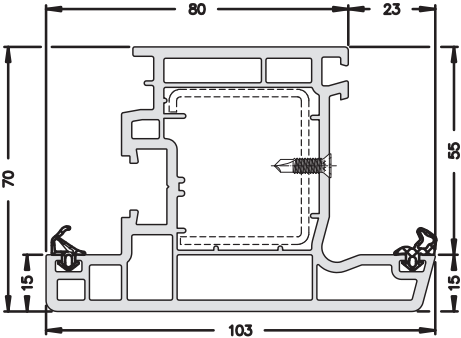
STANDARD - WINDOW
8866



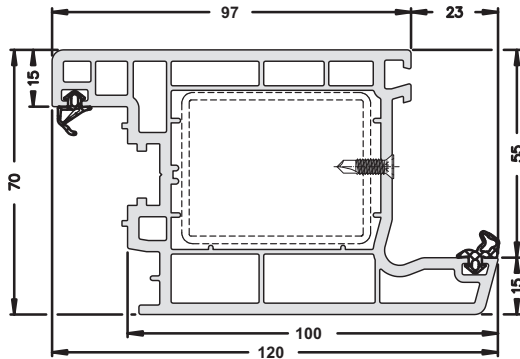
WIDE- PATIO DOOR PROFILE (INWARD GOING)
9943



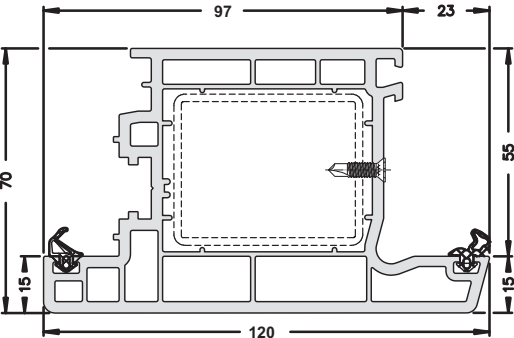
WIDE- PATIO DOOR PROFILE (OUTWARD GOING)
8509



MAIN DOOR - INWARD GOING
9108



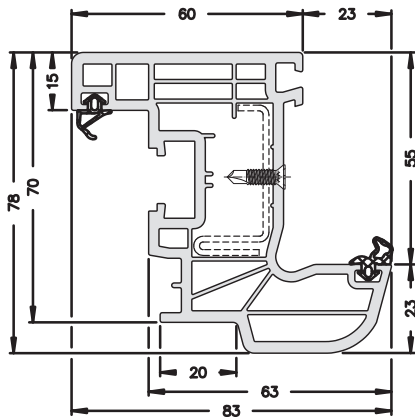
MAIN DOOR - OUTWARD GOING
9109



CT70 RONDO - SASH PROFILE

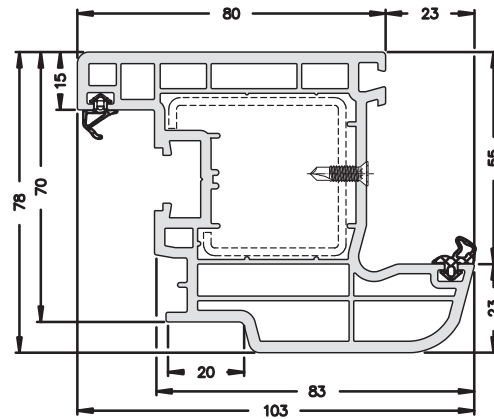
RONDO - STANDARD - WINDOW / BALCONY DOOR

8867

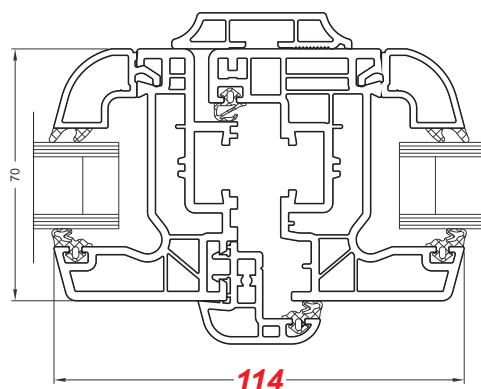


RONDO (WIDE) PATIO DOOR PROFILE (INWARD GOING)

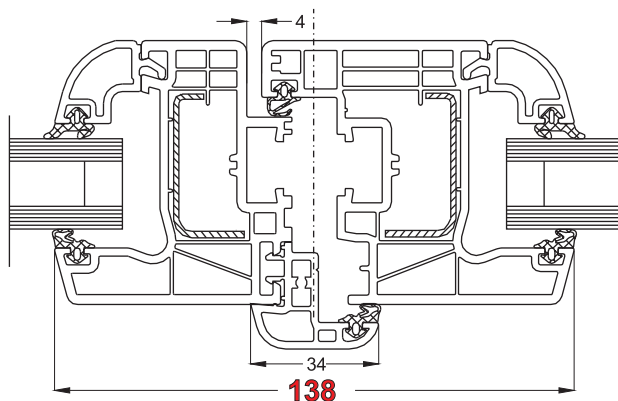
8620



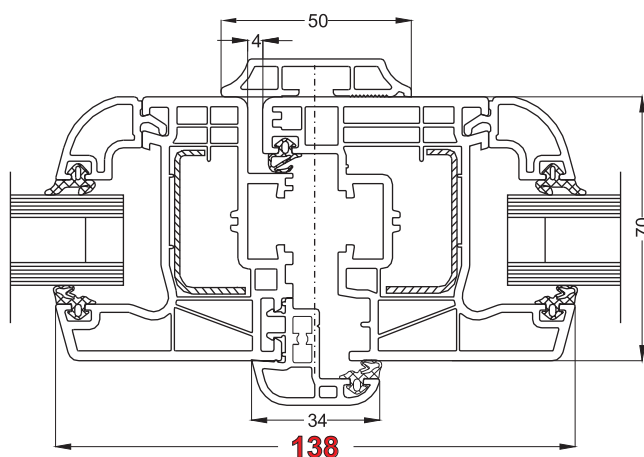
CT70 - CROSS-SECTIONS - FLOATING MULLIONS



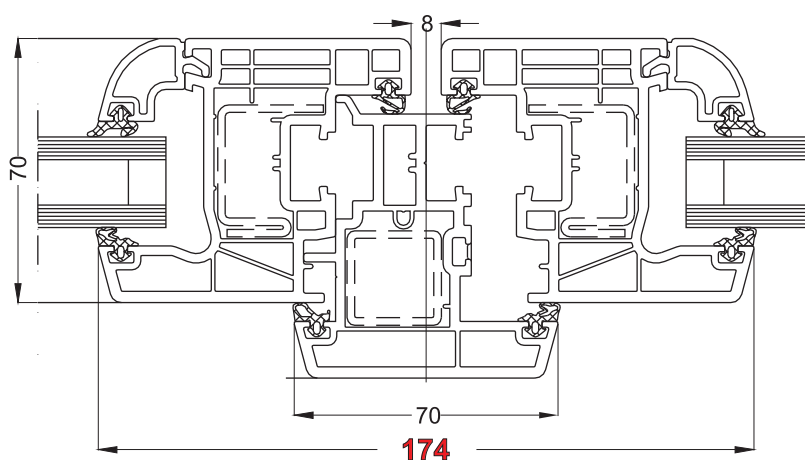
**WINDOW – NARROW SASH
MINI-MOBILE POST
WITH CENTRAL HANDLE**



WINDOW WITH MINI FLOATING MULLION

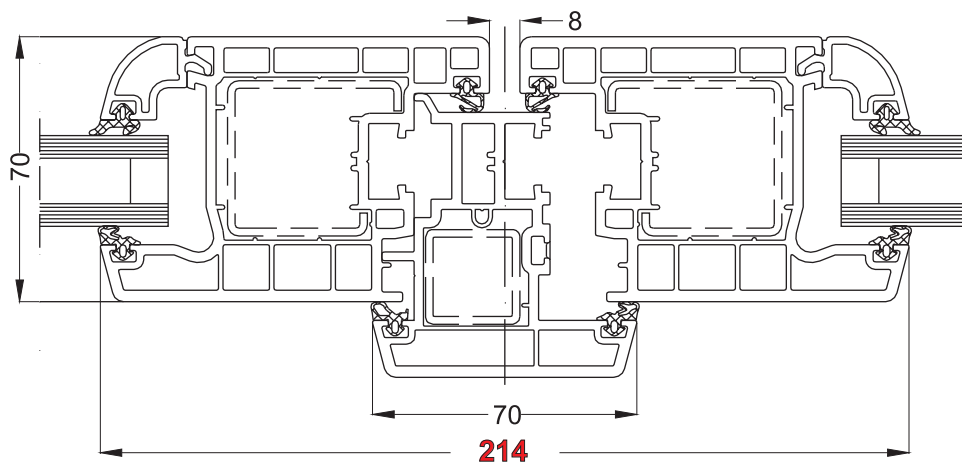


**WINDOW WITH MINI FLOATING MULLION
WITH CENTRED HANDLE**

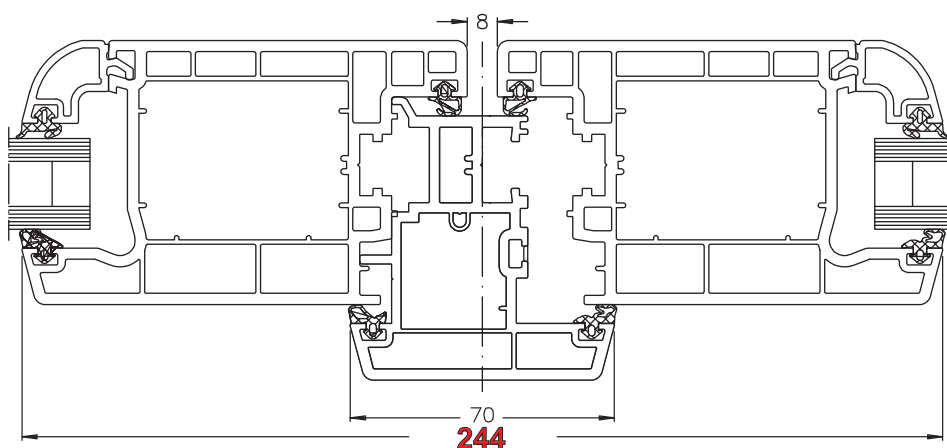


STANDARD WINDOW (FLOATING MULLION)

CT70 - CROSS-SECTIONS - FLOATING MULLIONS

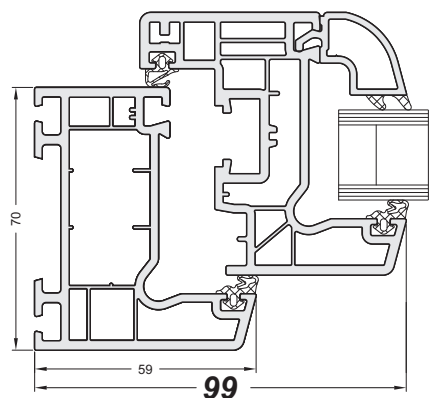


PATIO DOOR (FLOATING MULLION)

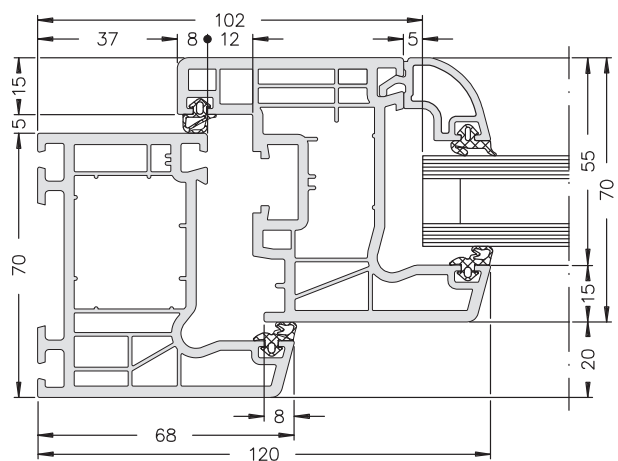


MAIN ENTRANCE DOOR WITH STANDARD FLOATING MULLION

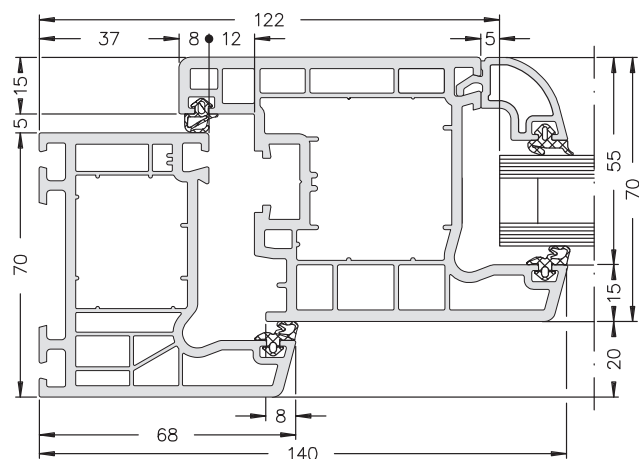
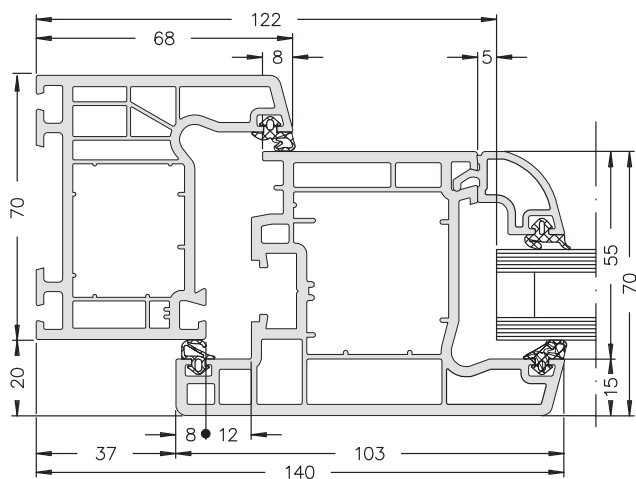
CT70 - CLASSIC - CROSS-SECTIONS



WINDOW NARROW – ONLY 99mm

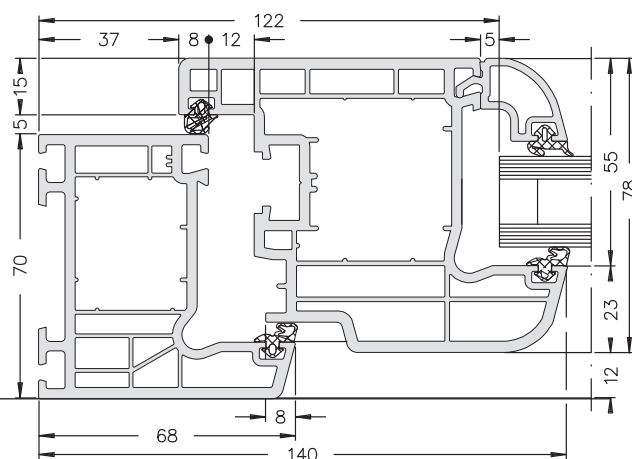
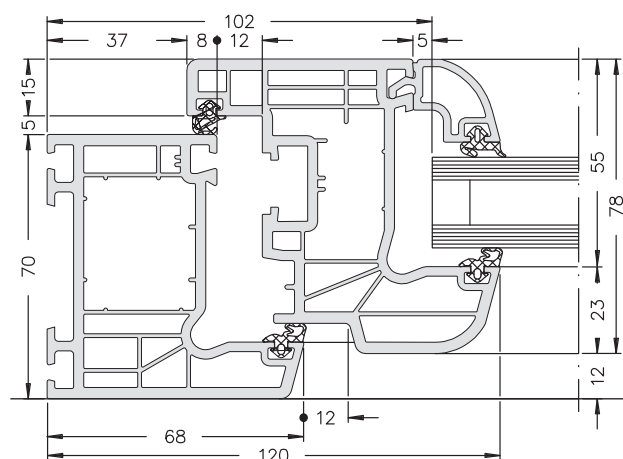


STANDARD WINDOW

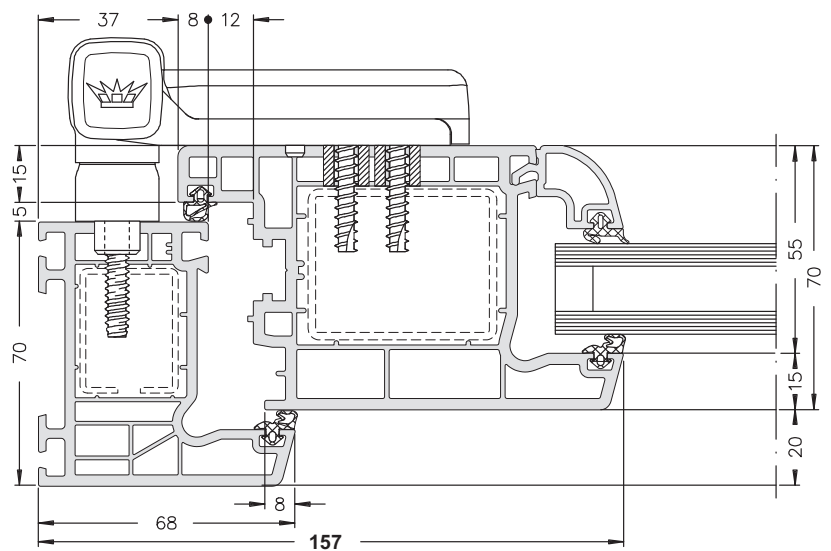
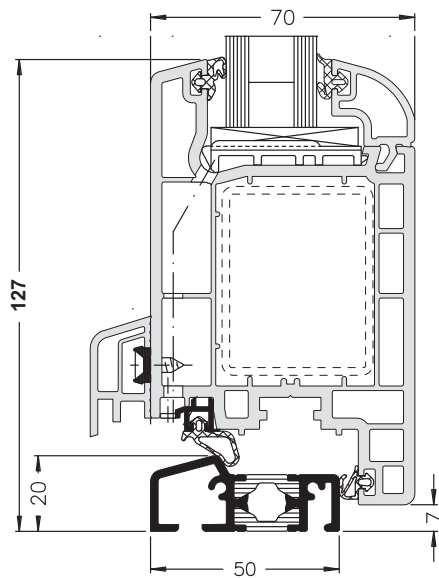


PATIO DOORS

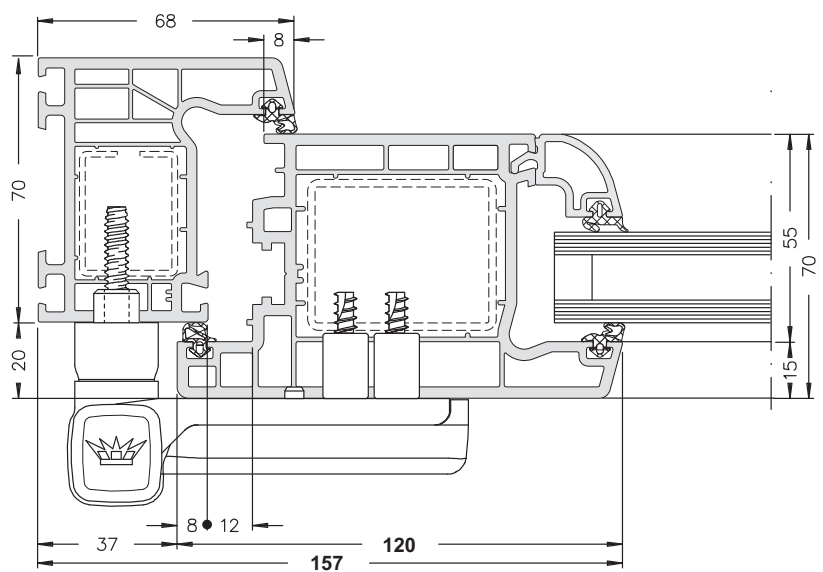
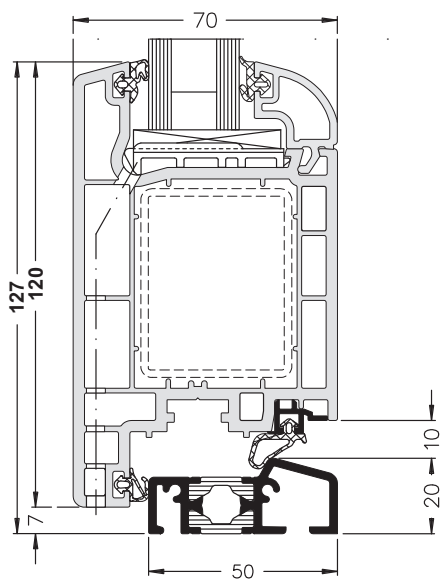
CT70 - RONDO - CROSS-SECTIONS



CT70 - CLASSIC - MAIN ENTRANCE DOORS

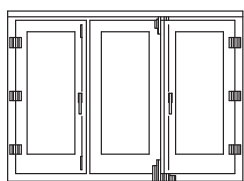


INWARD - GOING

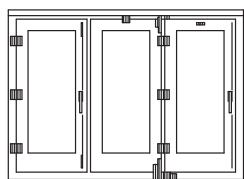
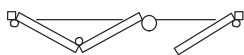


OUTWARD - GOING

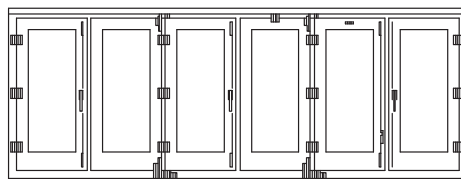
EXAMPLES OF FOLDING DOOR TYPES



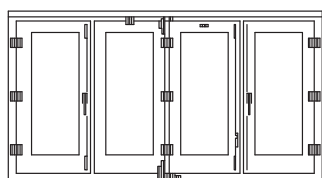
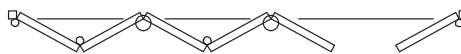
321



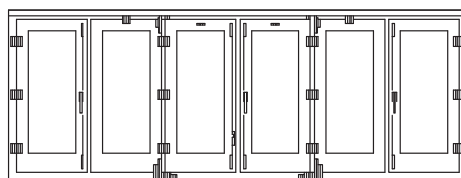
330



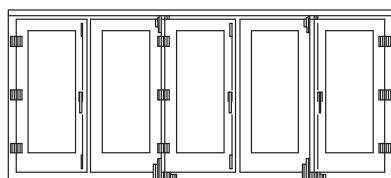
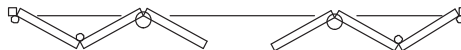
651



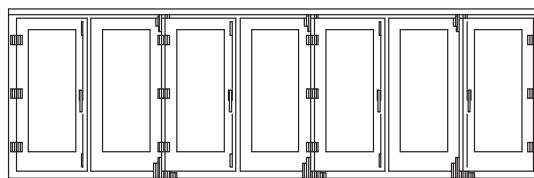
431



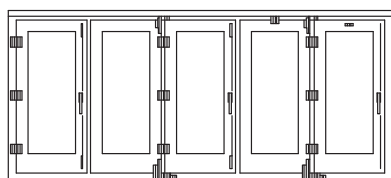
633



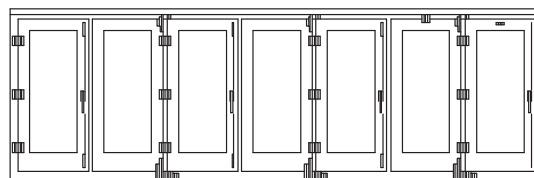
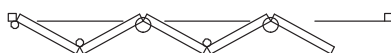
541



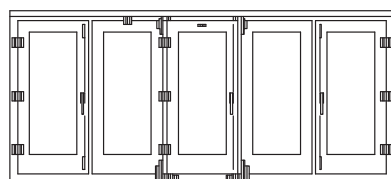
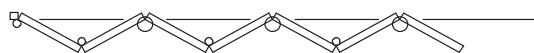
761



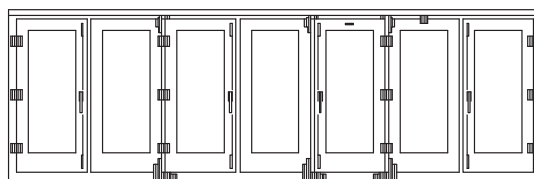
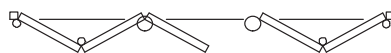
550



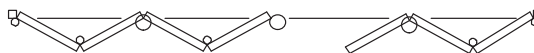
770



532

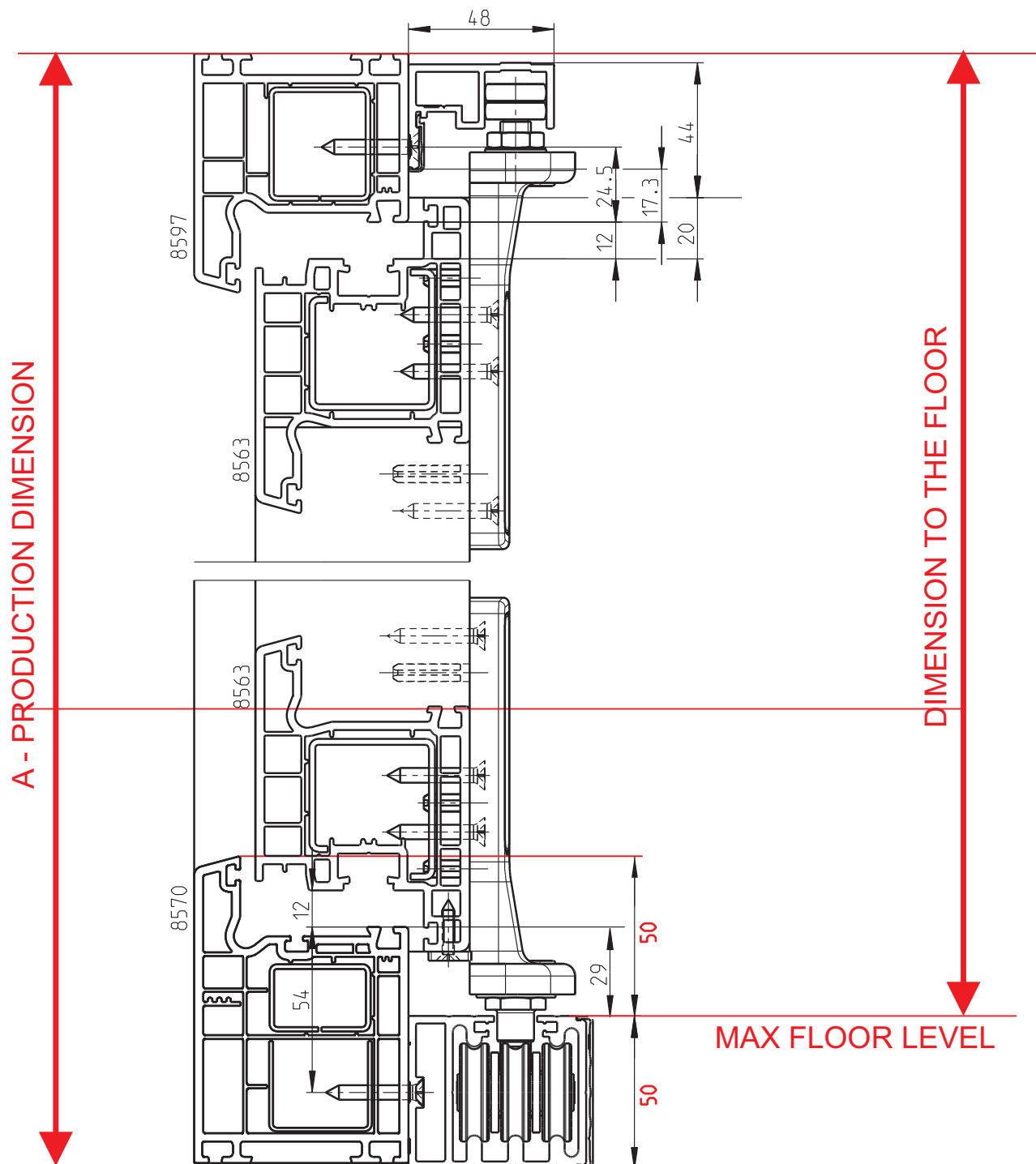


743



FOLDED DOOR- BOTTOM RUN

STANDARDS VALID WHEN ORDERING FROM FACTORY

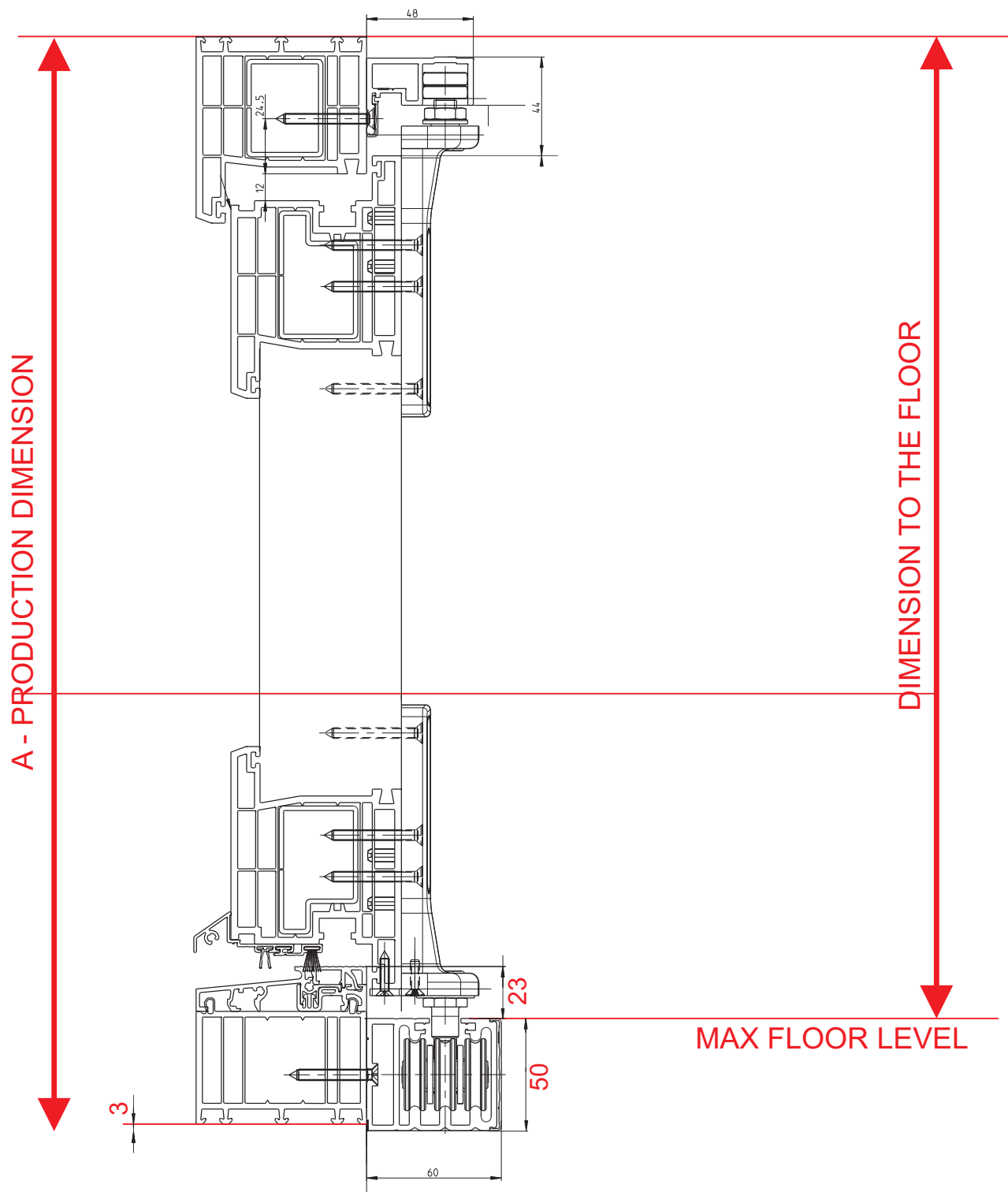


BOTTOM FRAME 100 mm



FOLDED DOOR- BOTTOM RUN

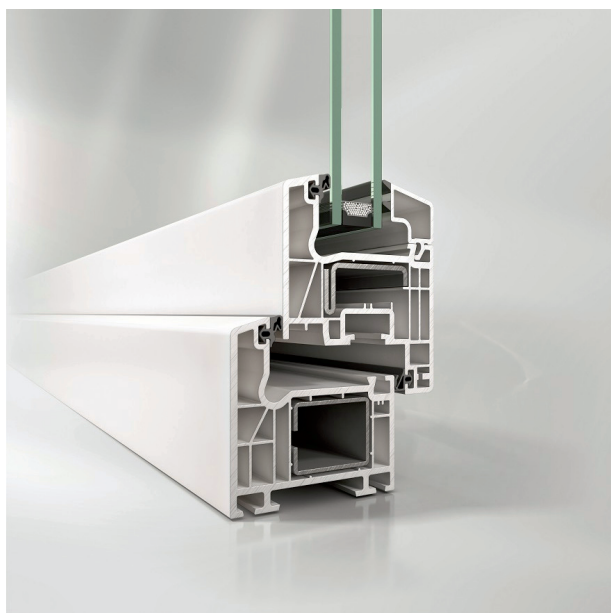
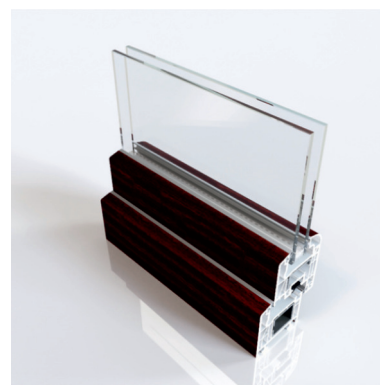
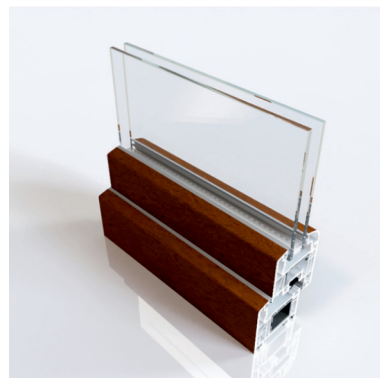
STANDARDS VALID WHEN ORDERING FROM FACTORY



BOTTOM LOW TRESHOLD 20 mm



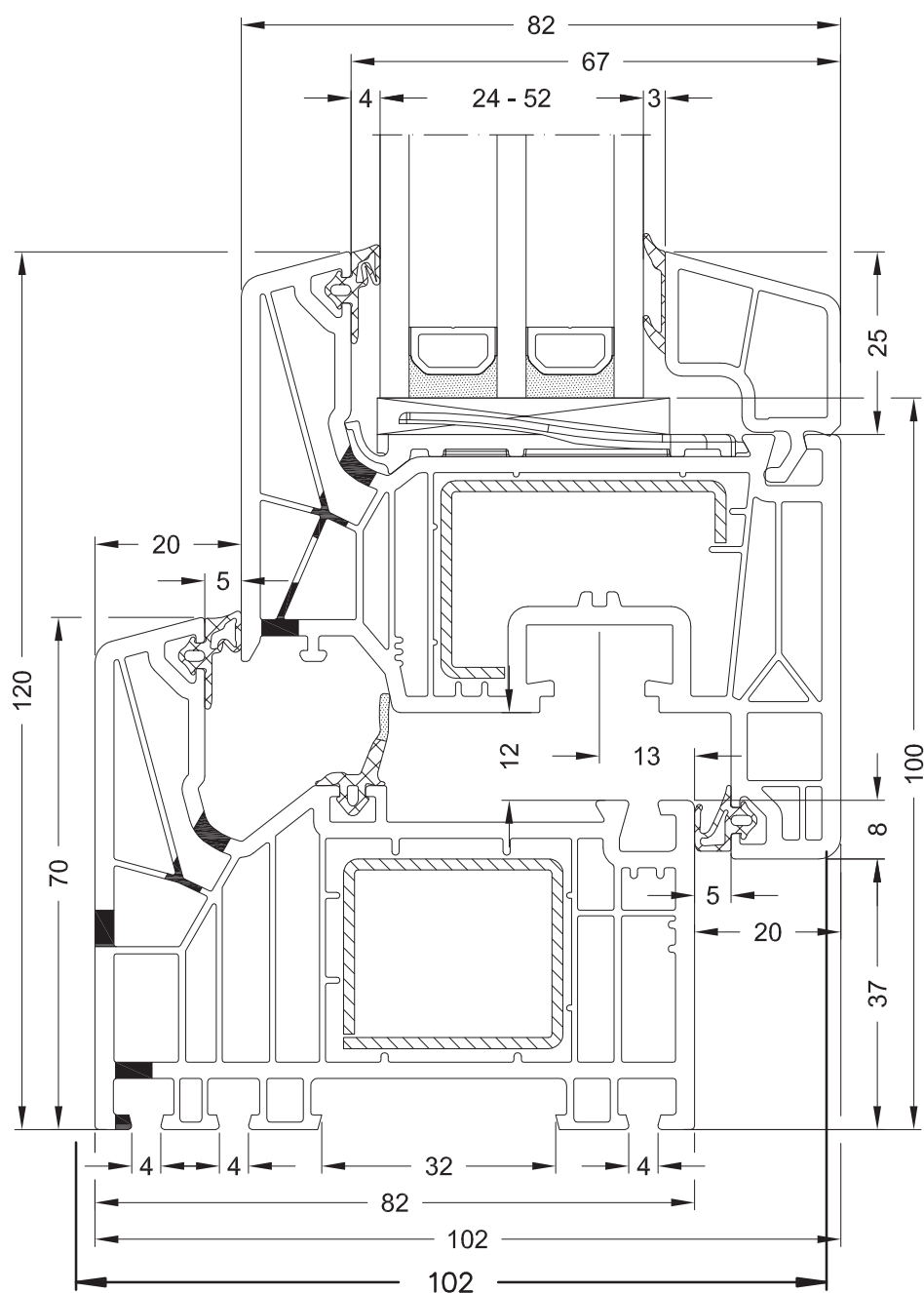
CT70 - PHOTOS





LIVING MD - BASIC DIMENSIONS

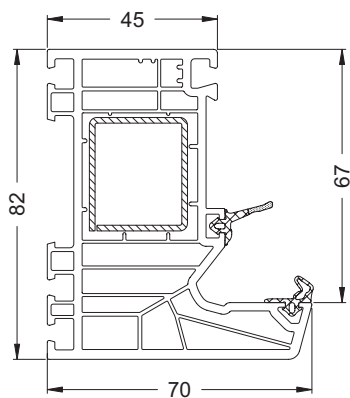
SYSTEM WITH CENTRAL GASKET



LIVING MD - FRAMES

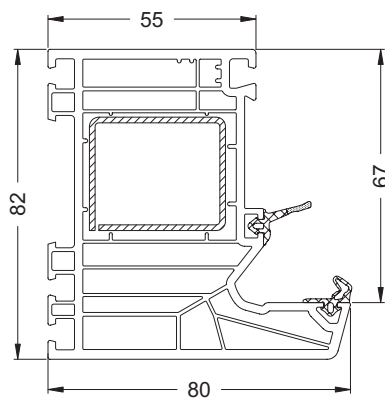
STANDARD 70mm

9411



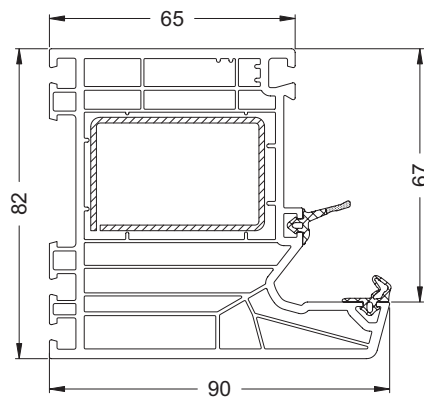
STANDARD 80mm

9412



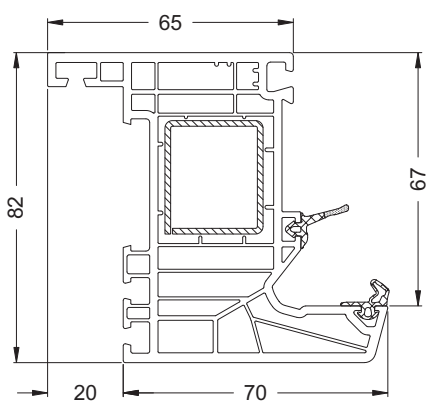
STANDARD 90mm

9413



MONO

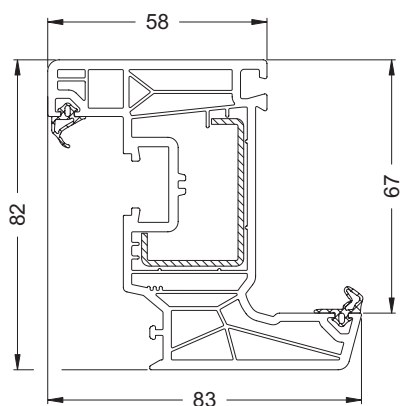
9416



LIVING - SASH PROFILES

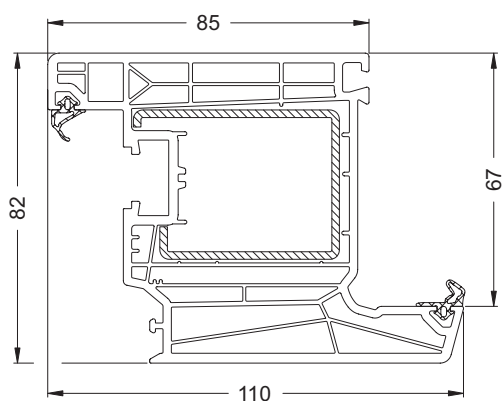
STANDARD WINDOW

9431



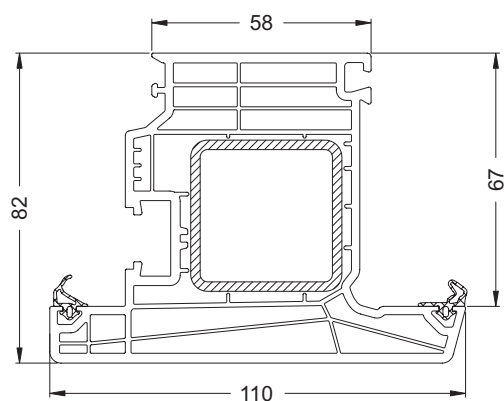
WIDE- PATIO DOOR PROFILE (INWARD GOING)

9432



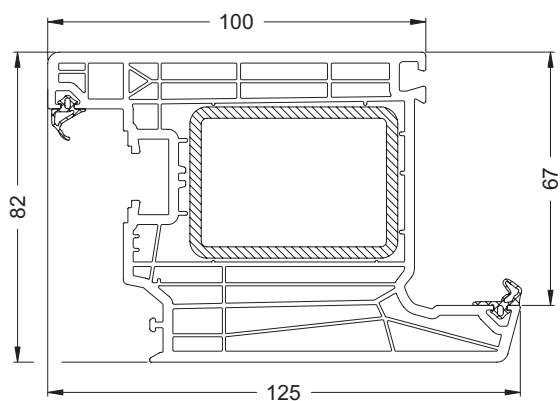
WIDE- PATIO DOOR PROFILE (OUTWARD GOING)

9452



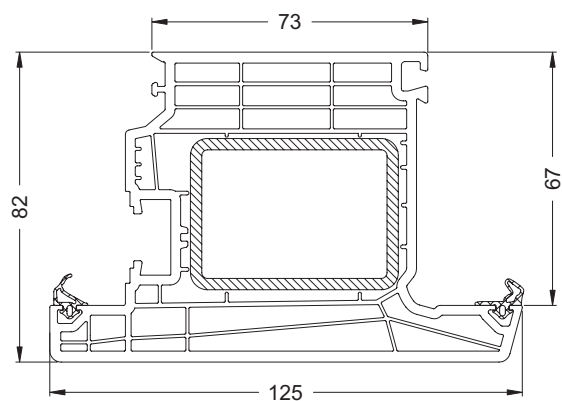
MAIN DOOR - INWARD GOING

9433



MAIN DOOR - OUTWARD GOING

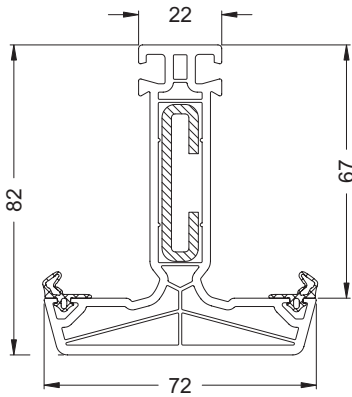
9453



LIVING - MULLIONS

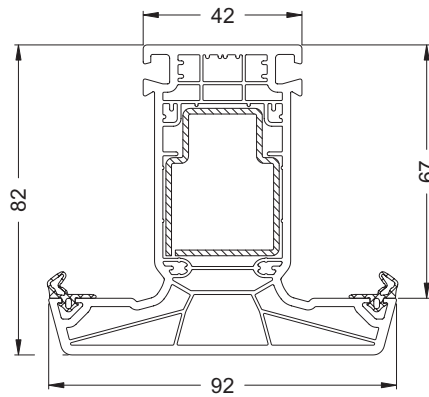
SASH - NARROW AS 72mm

9460



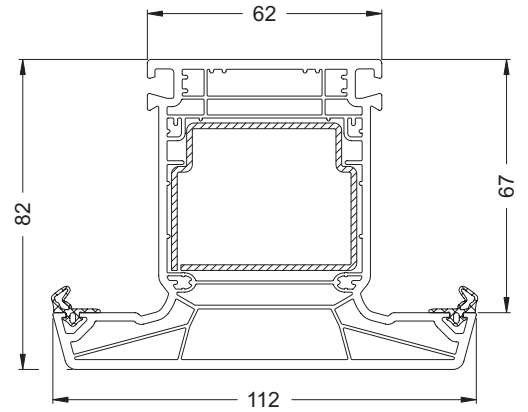
SASH - STANDARD AS 92mm

9461



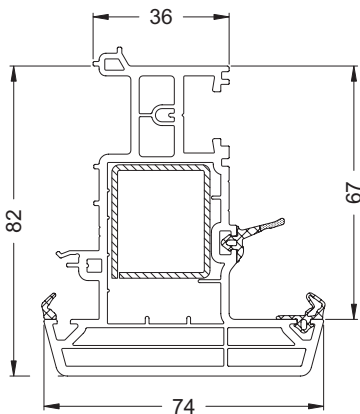
SASH - WIDE AS 112mm

9462



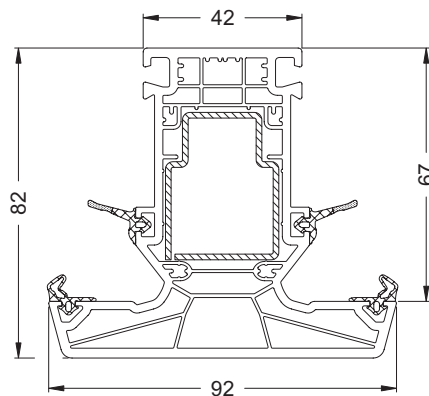
FLOATING STANDARD 74mm

9472



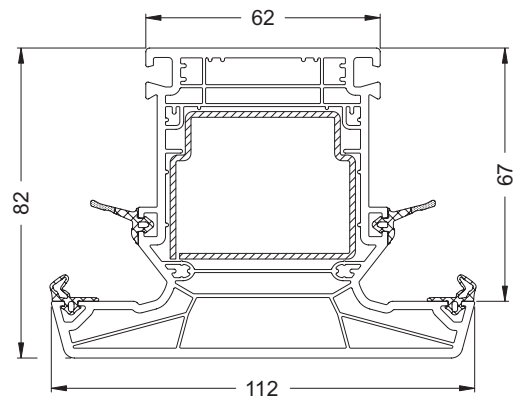
SASH - STANDARD MD 92 mm

9465



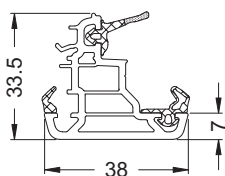
SASH - WIDE MD 112mm

9466



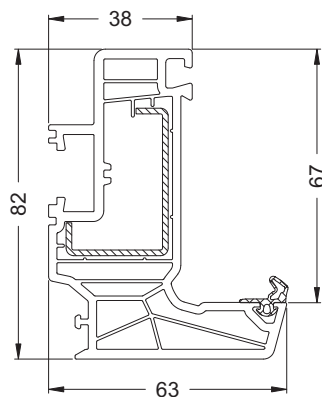
MINI (FLOATING) 38mm

9470



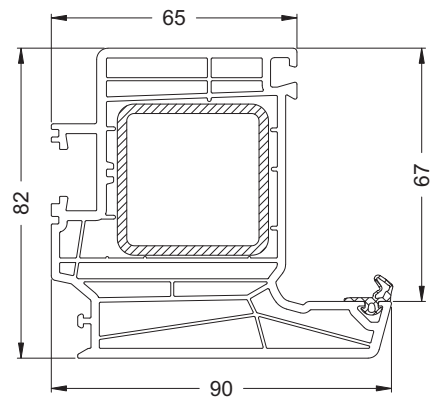
SASH PROFILE TO THE MINI MULLION 63 mm

9482



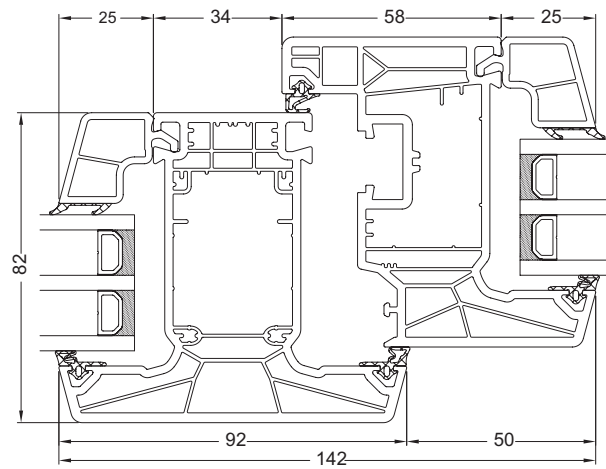
SASH PROFILE TO THE MINI MULLION 90mm

9483

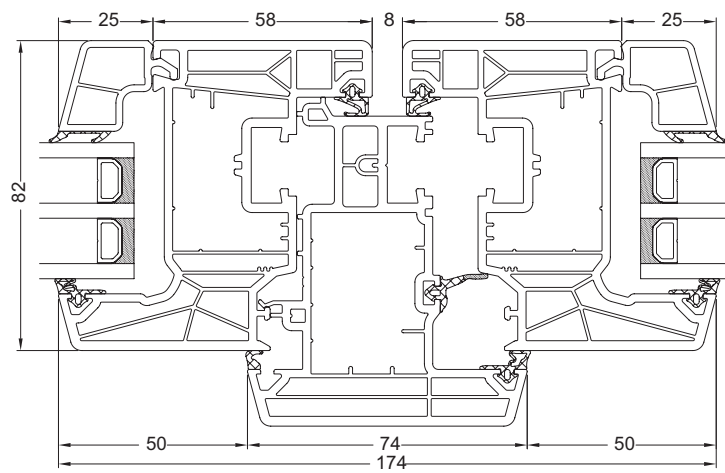


LIVING - CROSS-SECTIONS

STANDARD WINDOW (FIXED MULLION)

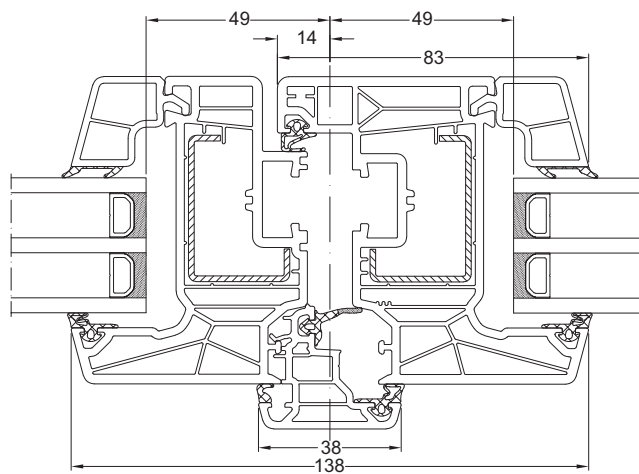


STANDARD WINDOW (FLOATING MULLION)

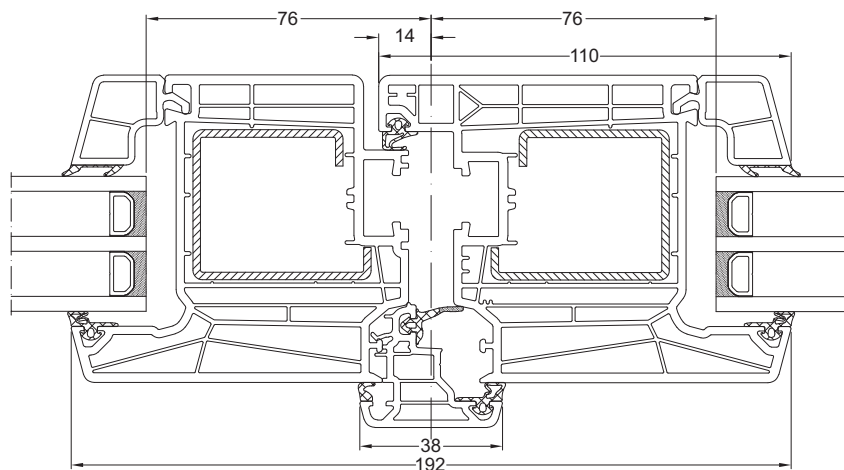


LIVING - CROSS-SECTIONS

WINDOW WITH MINI FLOATING MULLION



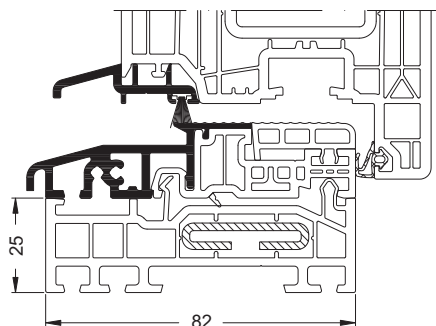
PATIO DOOR WITH MINI FLOATING MULLION



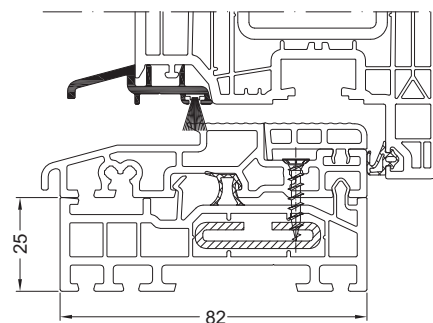
LIVING - CROSS-SECTIONS

MAIN ENTRANCE DOORS INWARD - GOING

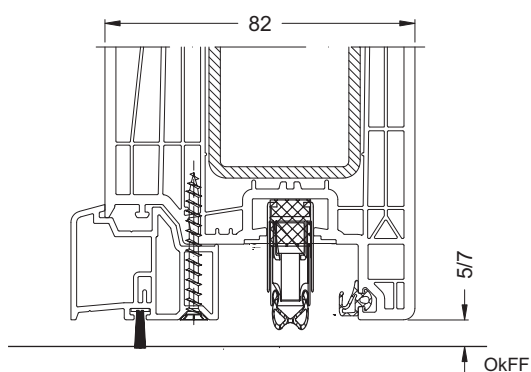
WITH ALU/PCV THRESHOLD



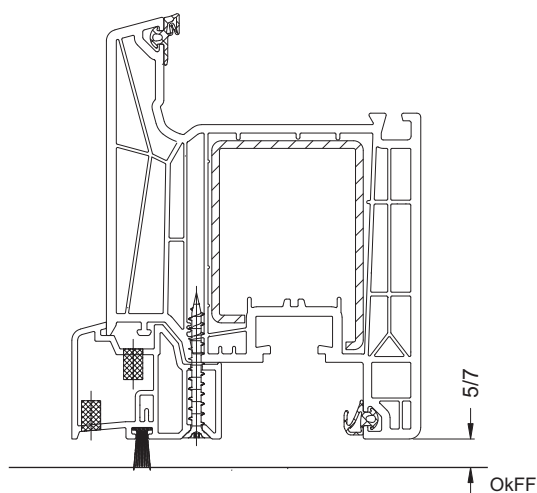
WITH PCV THRESHOLD



NO THRESHOLD - BRUSH + AUTOMATIC GASKET

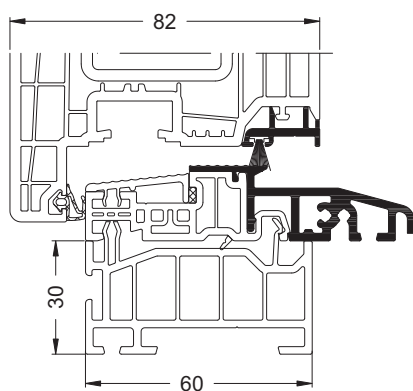


NO THRESHOLD - BRUSH

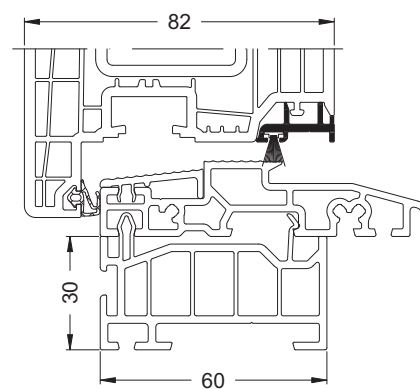


MAIN ENTRANCE DOORS OUTWARD - GOING

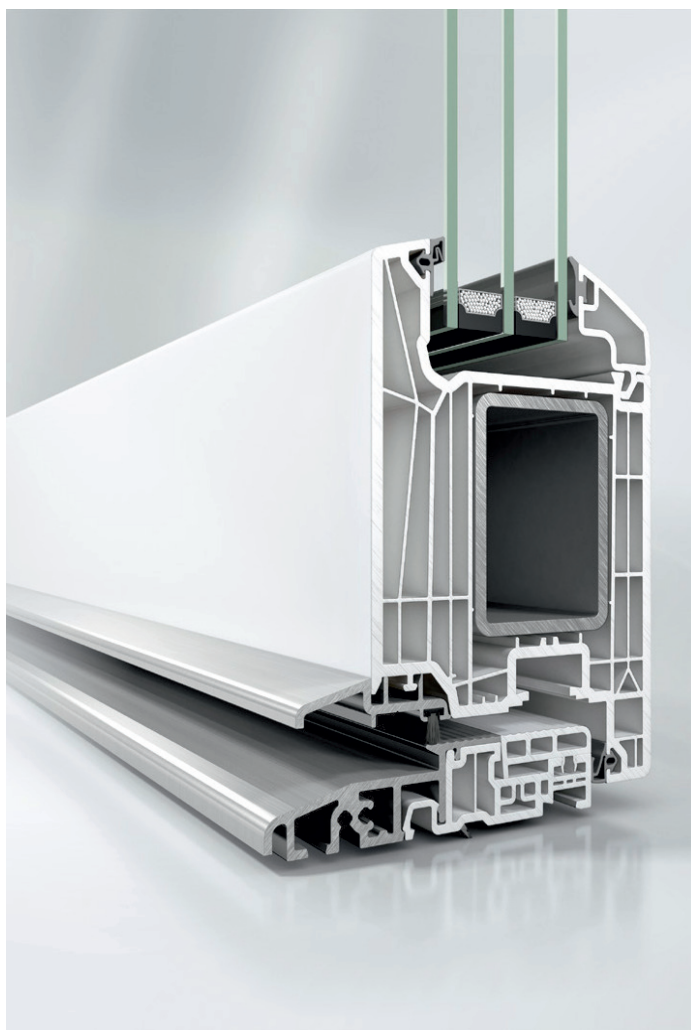
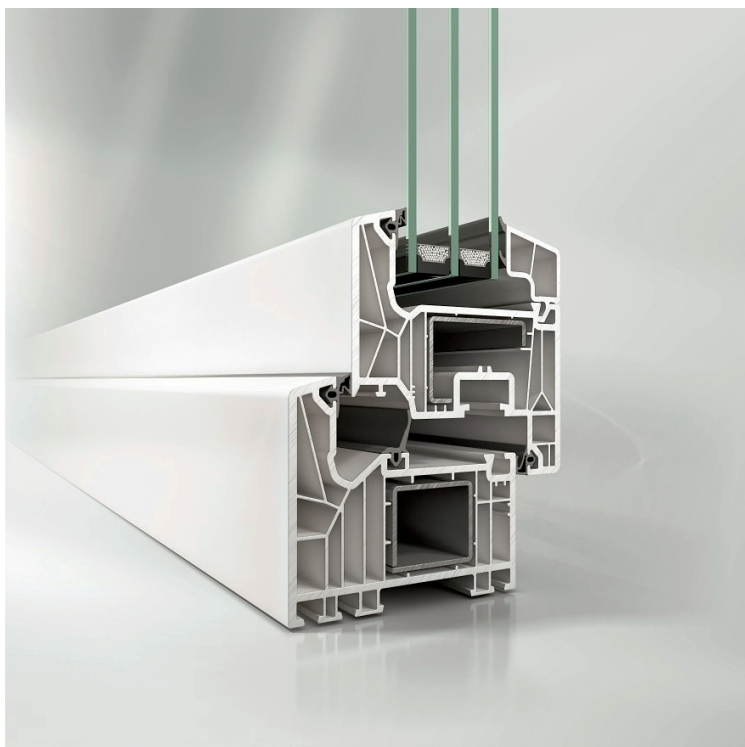
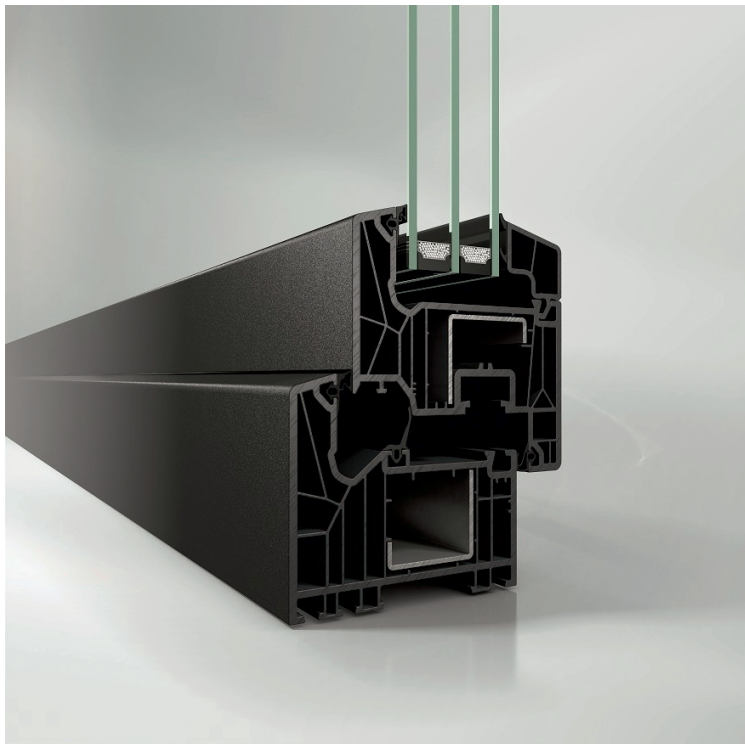
WITH ALU/PCV THRESHOLD



WITH PCV THRESHOLD



LIVING - PHOTOS





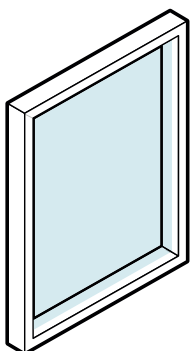
Technical drawing of a mechanical part, likely a bracket or support structure, showing dimensions in millimeters. The drawing includes a top view and a side view. Key dimensions are labeled as follows:

- Overall width: 120
- Overall height: 94.5
- Top view dimensions:
 - Top edge: 15, 5, 36, 67, 82
 - Right edge: 23, 38, 22.5, 12, 3
 - Bottom edge: 4, 2.5, 31, 13, 37.5, 5.5, 66
- Side view dimensions:
 - Left edge: 23, 5.5, 66
 - Right edge: 46, 76.5

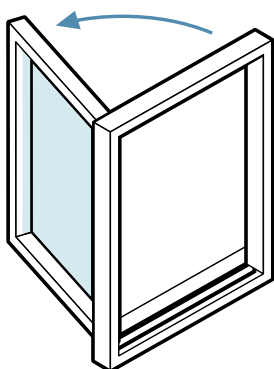
The drawing shows a complex profile with multiple holes, slots, and a central rectangular cutout. The dimensions are provided in millimeters.

-
- LASTRI**

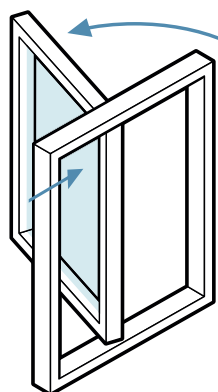
ALU INSIDE NORDIC - OPENING TYPES



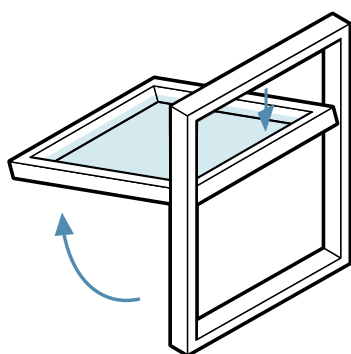
FIXED GLAZING IN OUTER FRAME



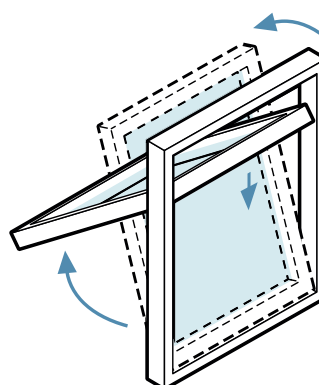
SIDE HUNG



SIDE SWING 90°



**TOP-GUIDED
CANOPY-STAY**



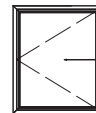
TOP SWING 180°



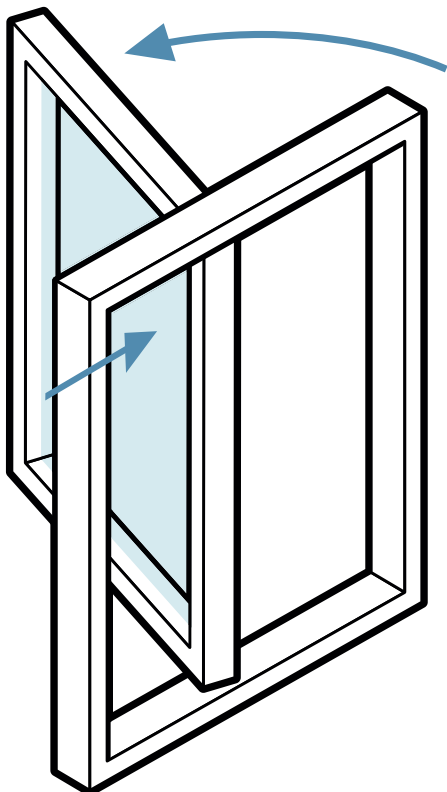
ALU INSIDE NORDIC - FITTINGS



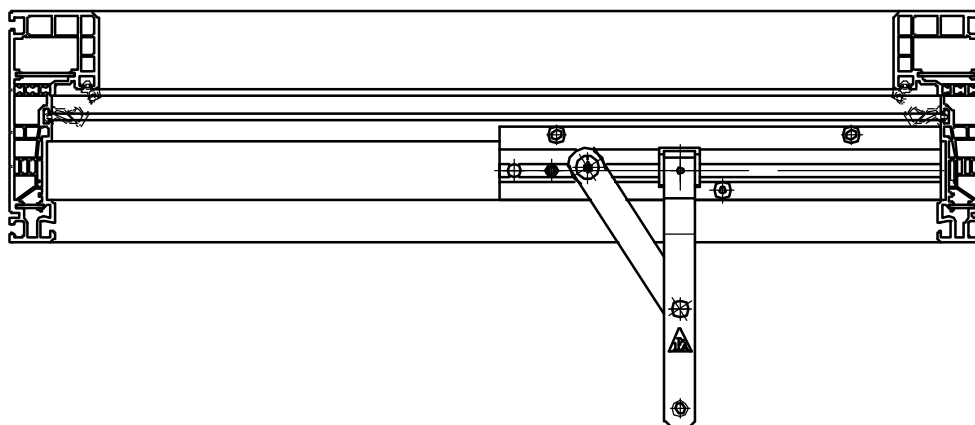
SIDE SWING 90°



MAX WIDTH - 899 mm
MAX SASH WEIGHT = 40kg



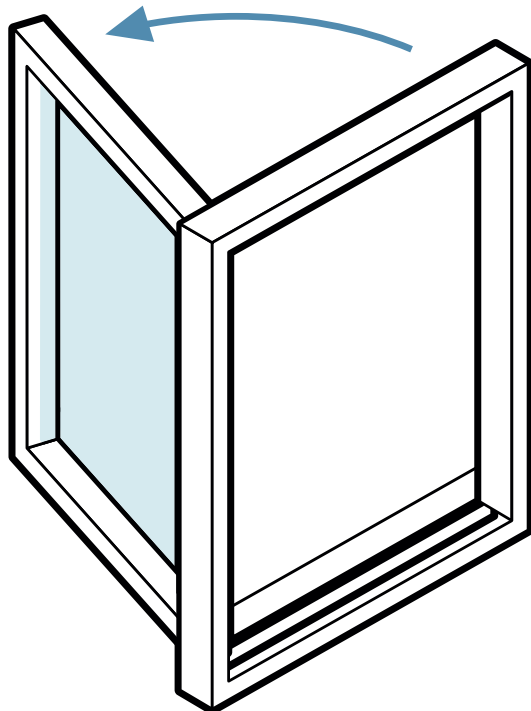
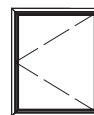
FITTING - 1 SET



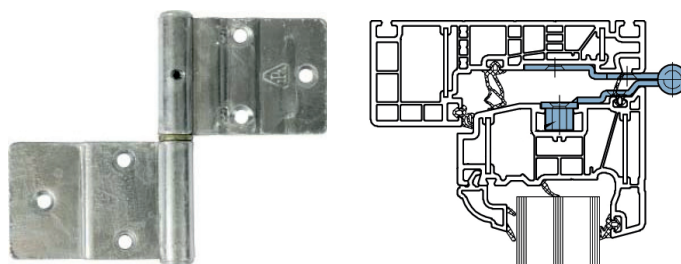
ALU INSIDE NORDIC - FITTINGS



SIDE HUNG



MAX WIDTH - 857 mm
MAX HEIGHT - 1557 mm
MAX SASH WEIGHT = 60kg



HINGES - 2, 3 OR 4 PC.

A

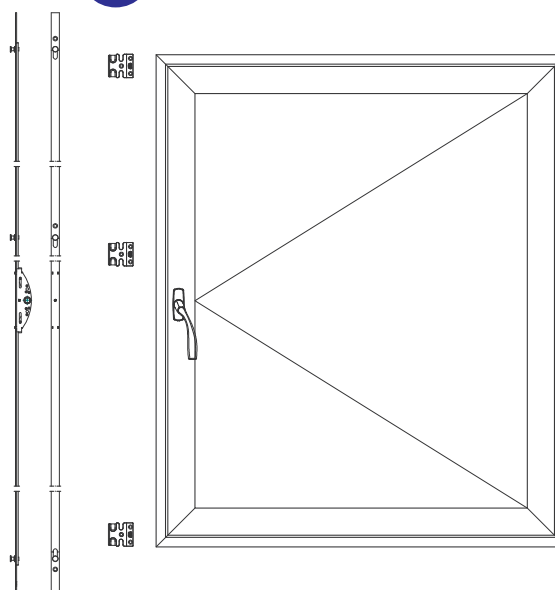
TRADITIONAL LOCKING

2 CATCHES



B

STANDARD LOCKING ESPAGNOLETTE WITH HANDLE

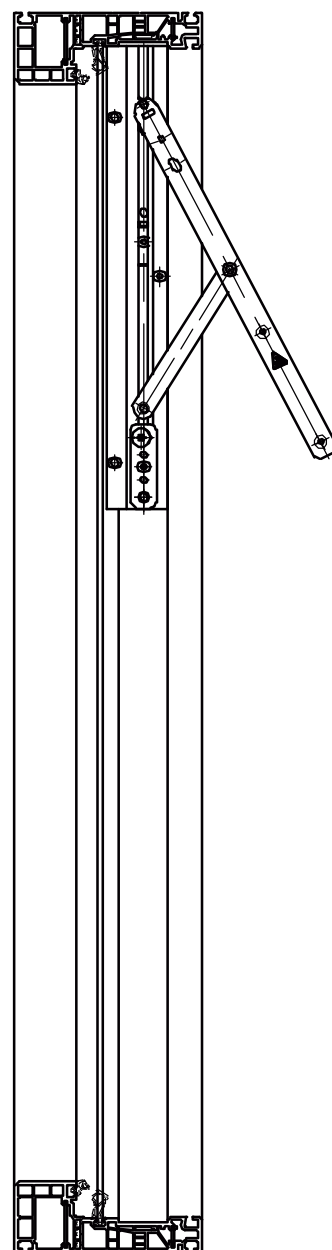
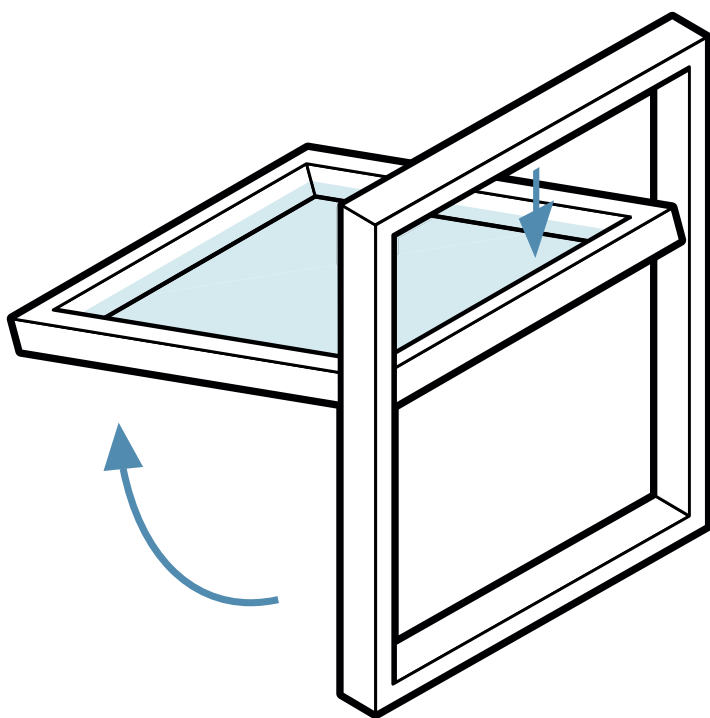




TOP-GUIDED CANOPY-STAY



MAX HEIGHT - 1554 mm
MAX SASH WEIGHT = 70kg



FITTING - 1/2 SET

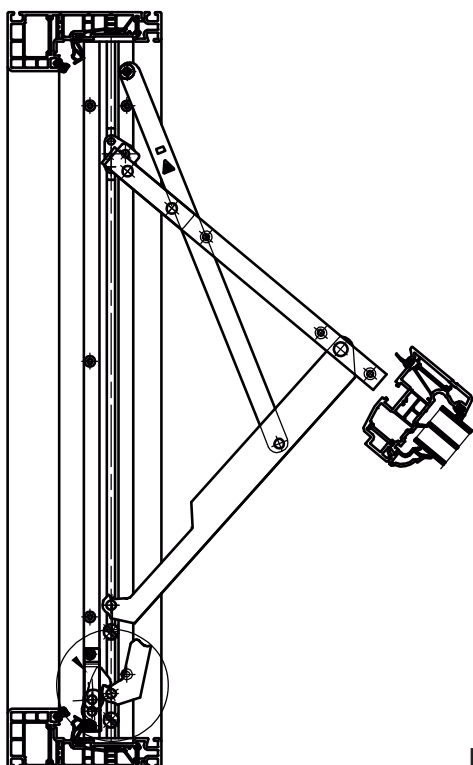
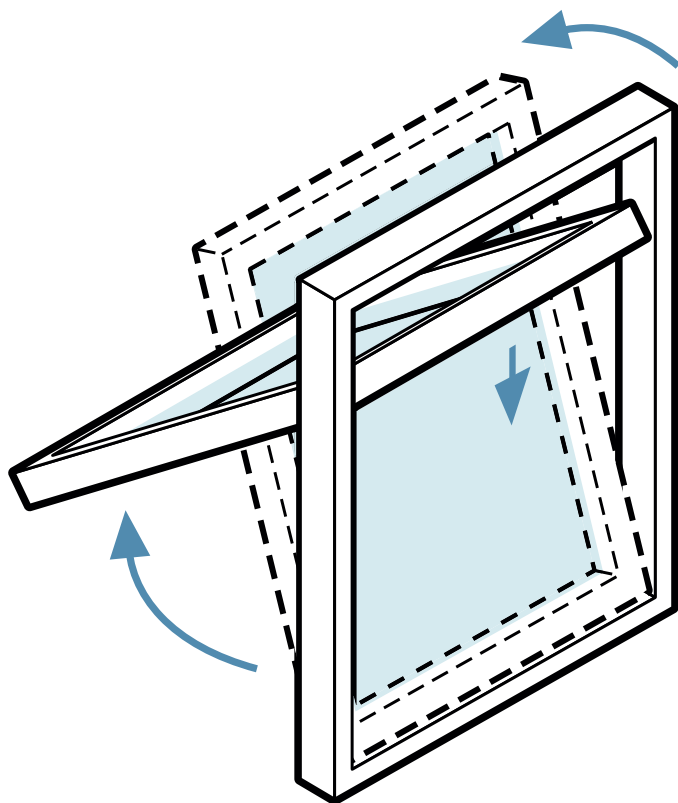
ALU INSIDE NORDIC - FITTINGS



TOP SWING 180°



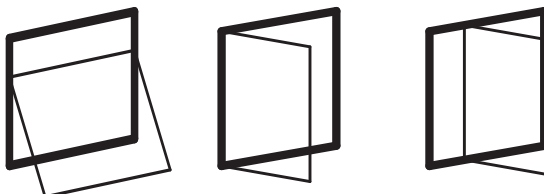
MAX HEIGHT - 1490 mm
MAX SASH WEIGHT = 60kg



FITTING - 1/2 SET

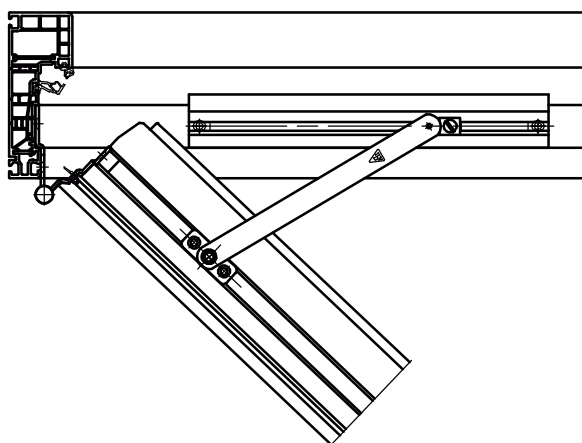


ALU INSIDE NORDIC - FITTINGS - ACCESSORIES



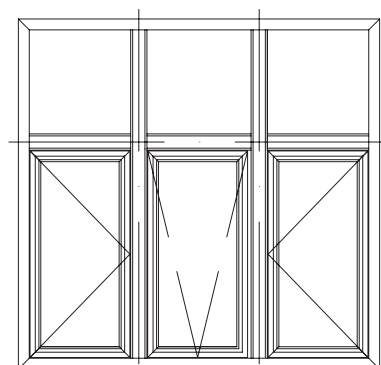
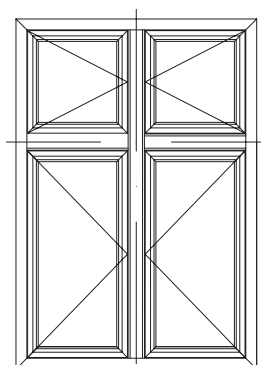
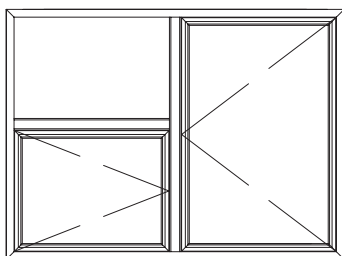
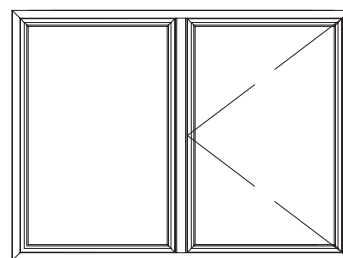
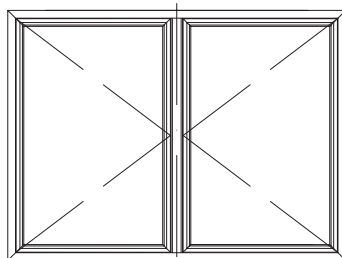
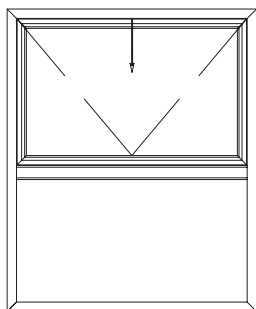
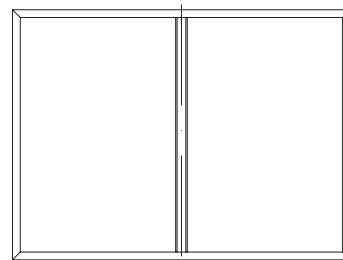
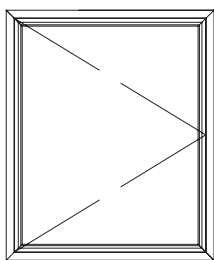
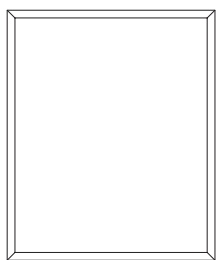
SAFETY CATCH

CLASSIC BLOCKAGE OF OPENING



FRICTION STAY FOR WINDOWS

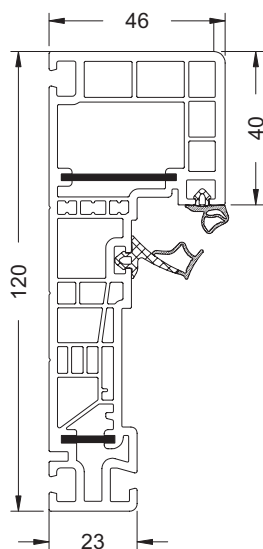
ALU INSIDE NORDIC - UNIT TYPES



ALU INSIDE NORDIC - MAIN PROFILES

OUTER FRAME 120/46 11K

9500



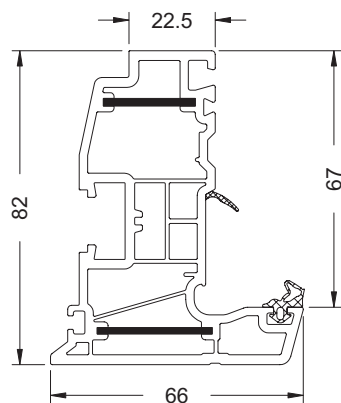
VENT FRAME 82/66 7K

WHITE

9504

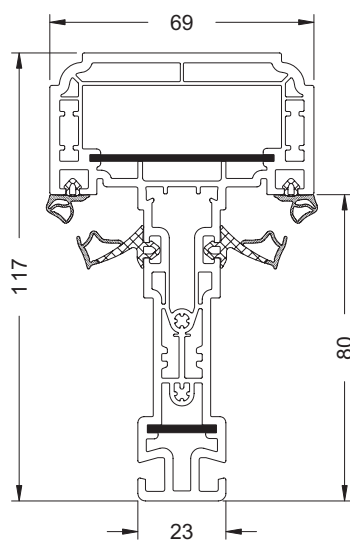
LAMINOWNE

9507



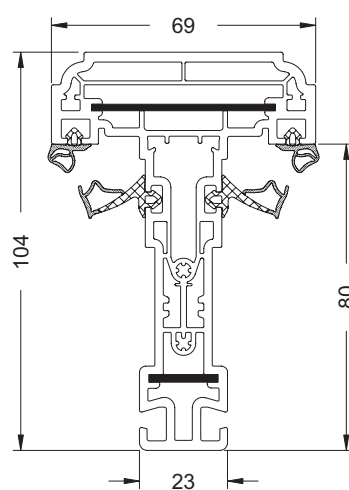
T-PROFILE 117/69 7K

9505

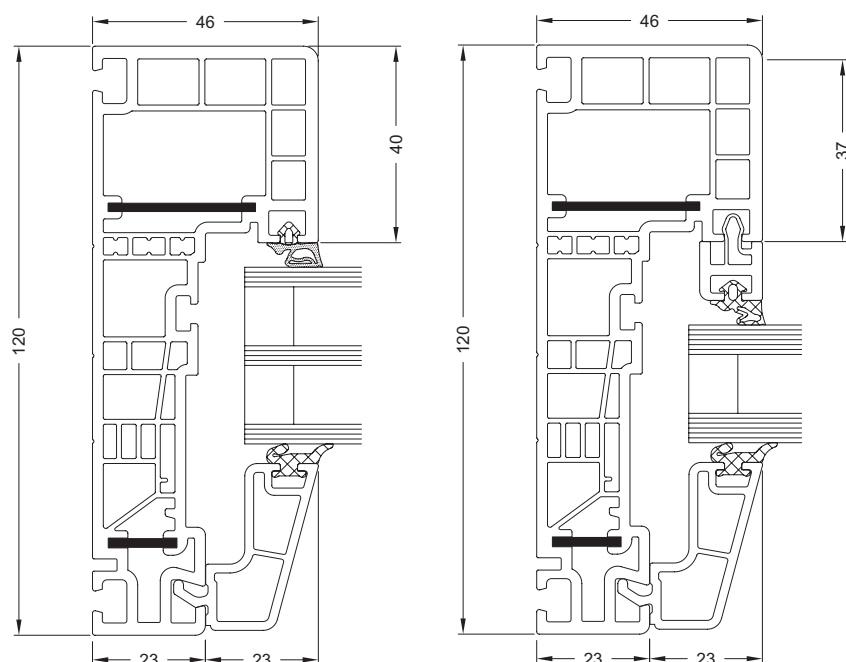


T-PROFILE 104/69 7K

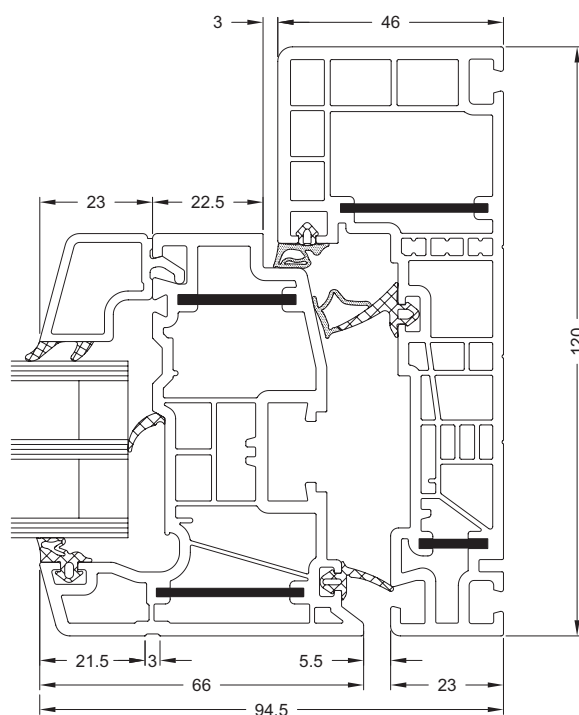
9506



ALU INSIDE NORDIC - CROSS-SECTIONS



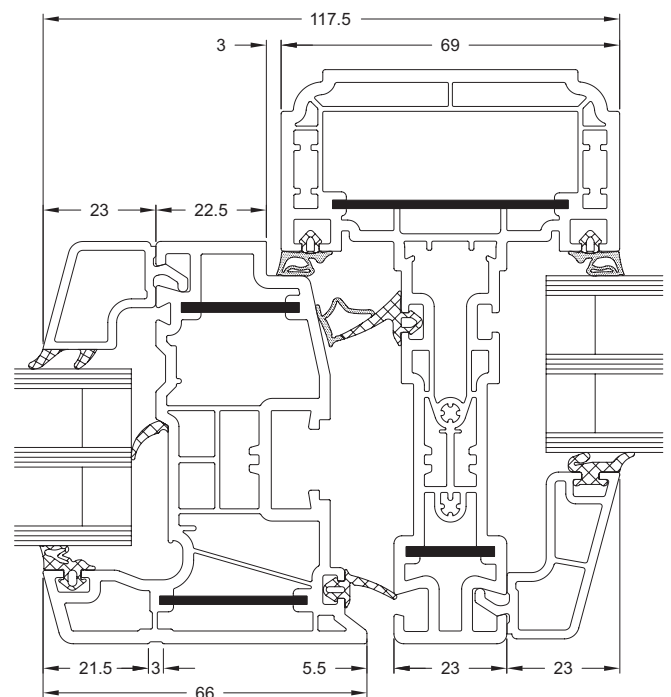
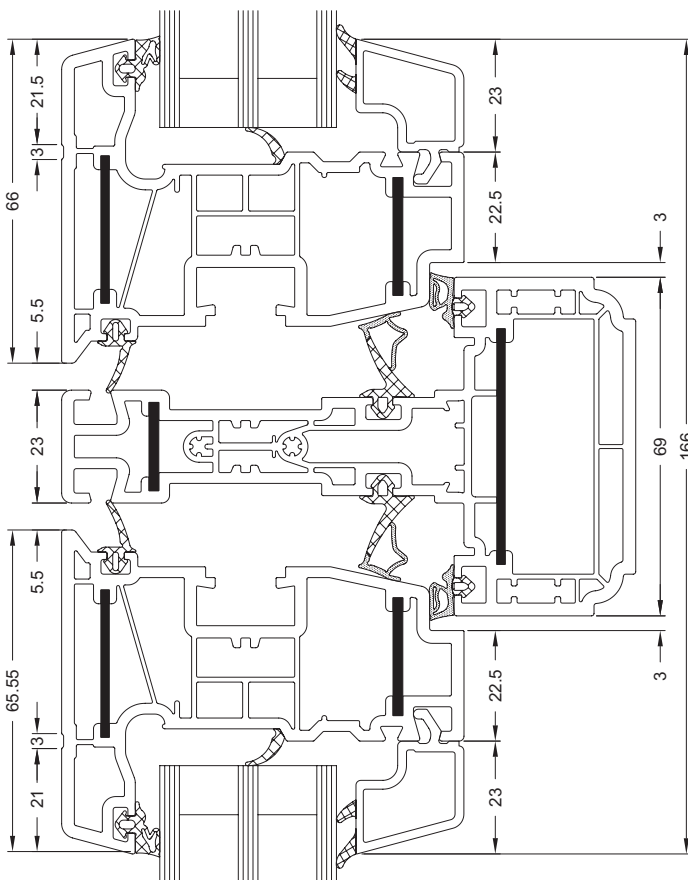
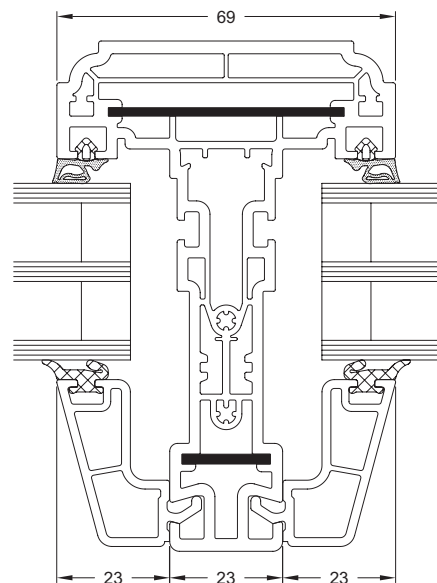
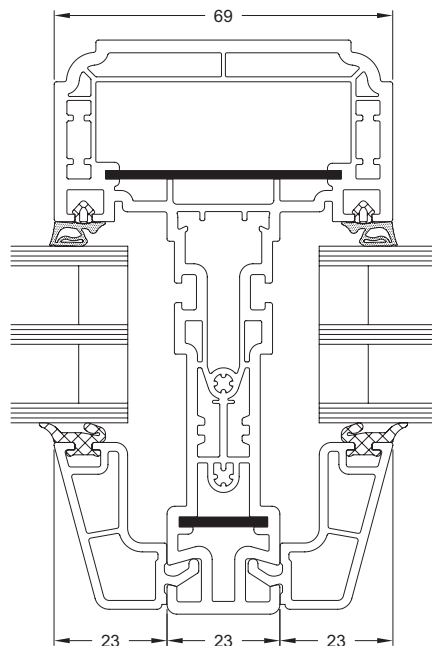
**FIXED GLAZING IN OUTER FRAME
ATTENTION!!!
GLAZING BEADS FROM OUTSIDE**



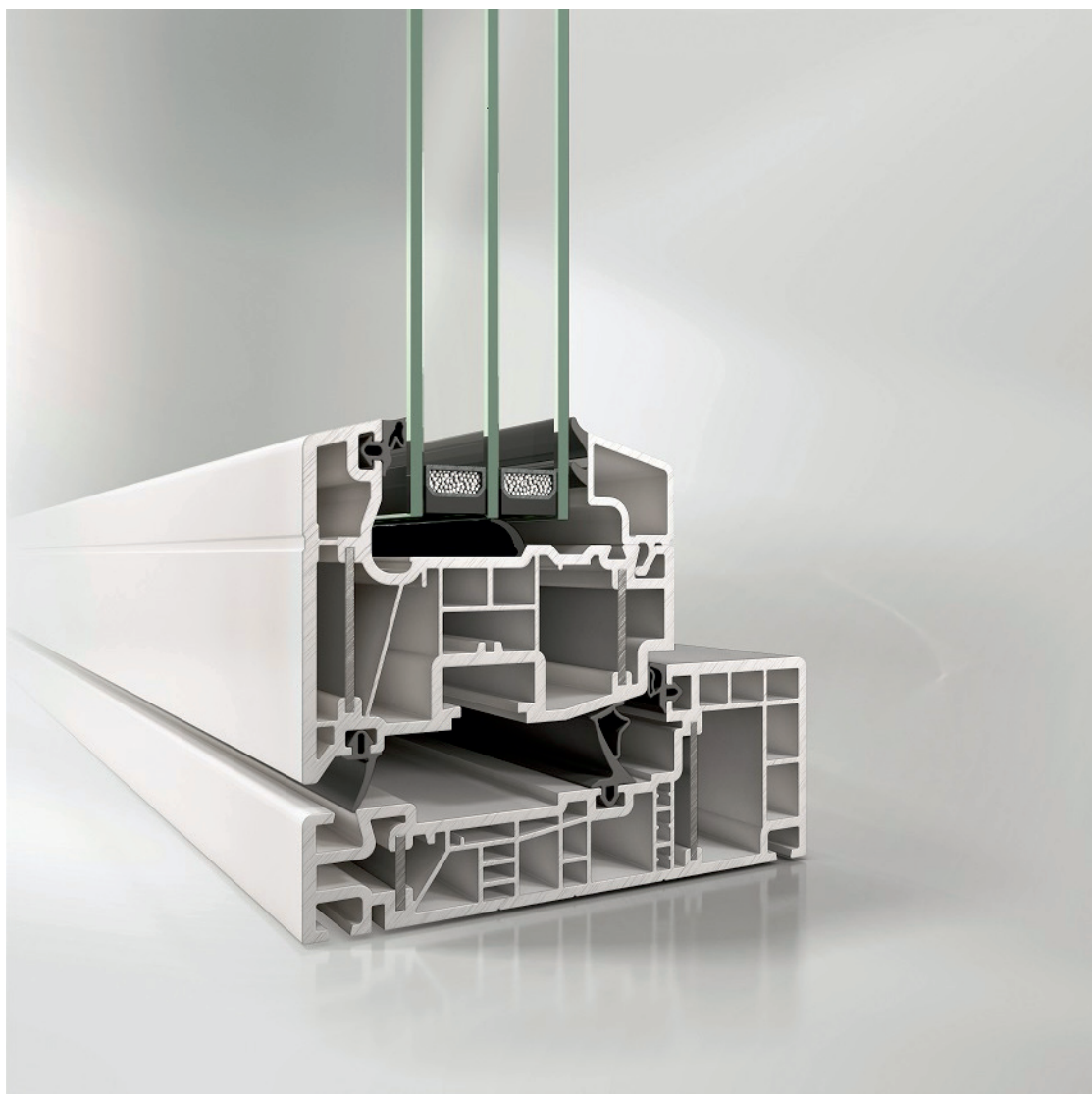
BASIC DIMENSIONS

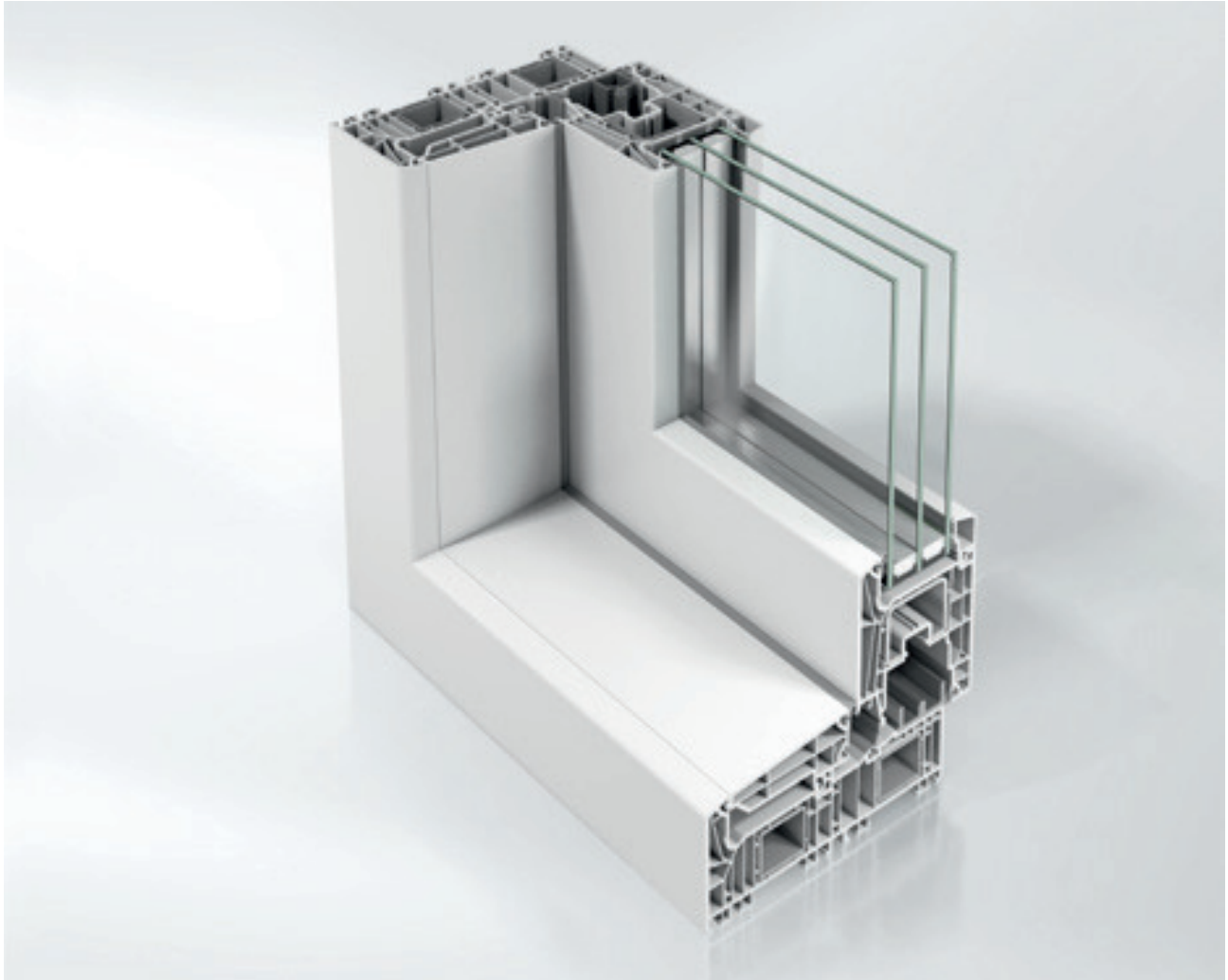
ALU INSIDE NORDIC - CROSS-SECTIONS

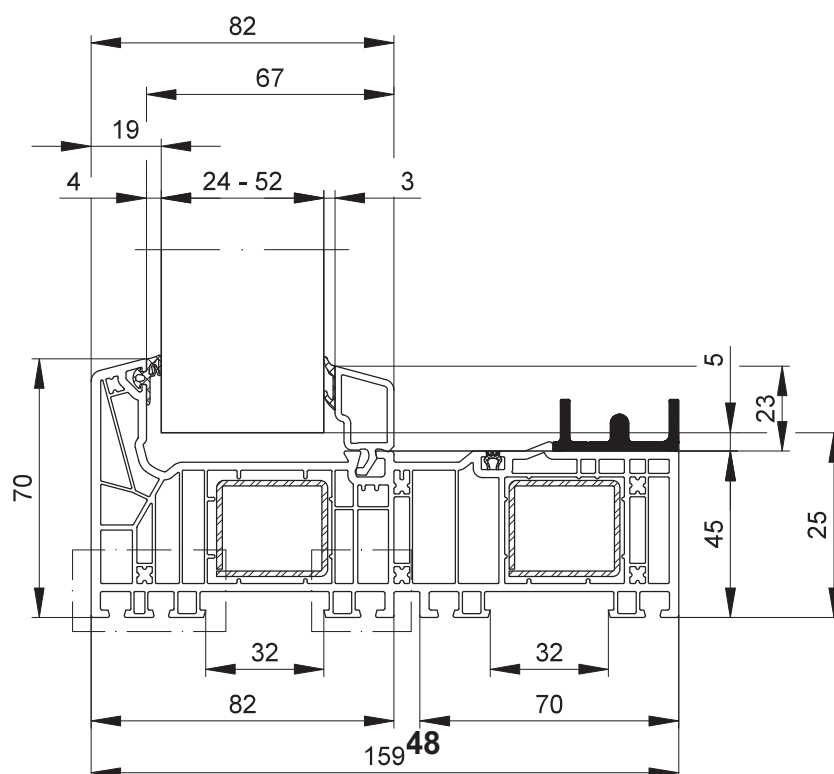
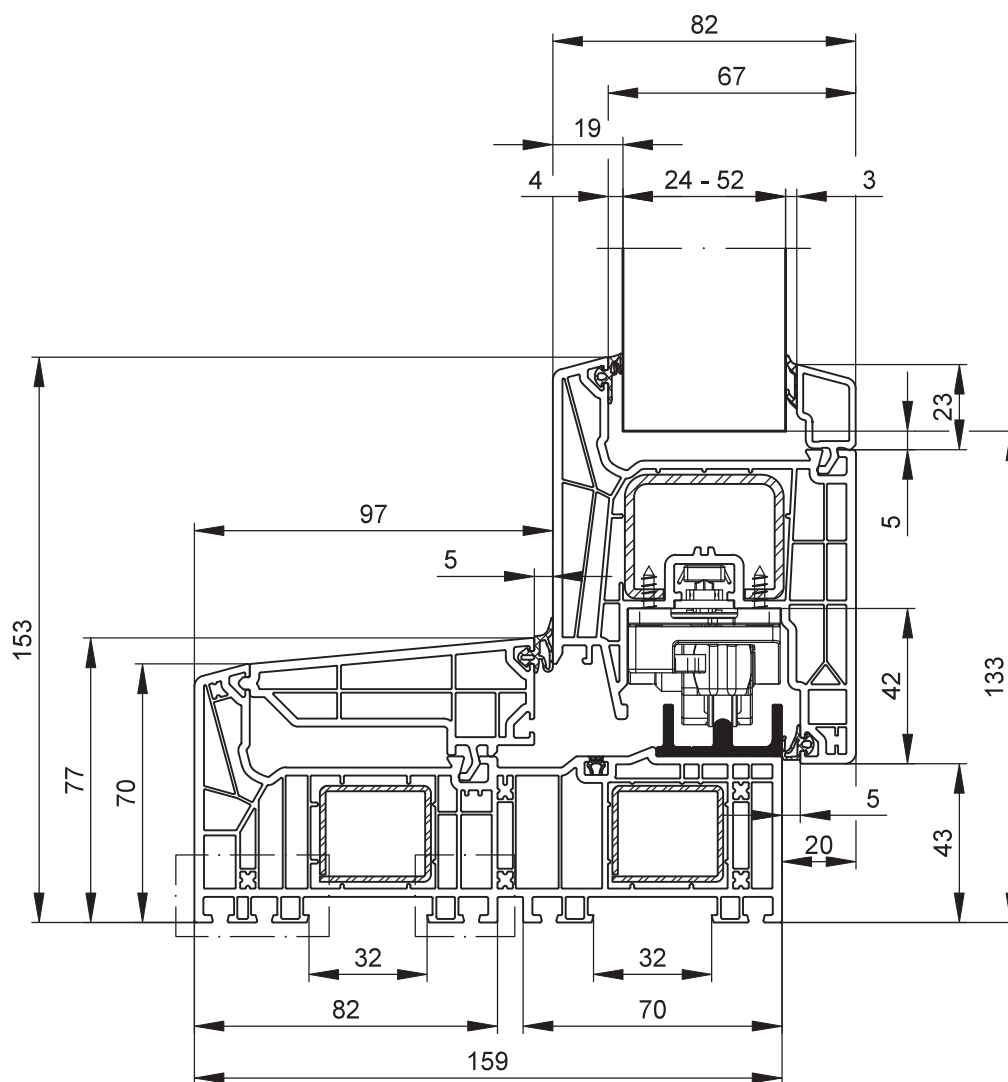
T-PROFILES



ALU INSIDE NORDIC - PHOTOS





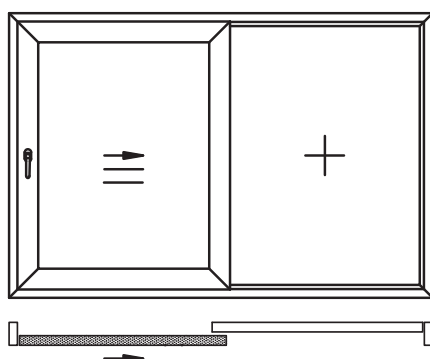


$U_f = 1,2 \text{ W/(m}^2\text{K)}$

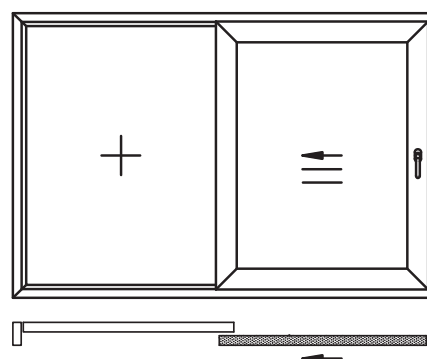
LIVING MOVE - DOOR TYPES


SCHEME A


Type 01 LS



Type 01 RS



		Type 01
Maximum element area	White	11 m ²
	Color	10,6 m ²
Maximum frame width	White	4,42 m.
	Color	4,42 m.
Maximum T-profile length	White	2,42 m.
	Color	2,32 m.

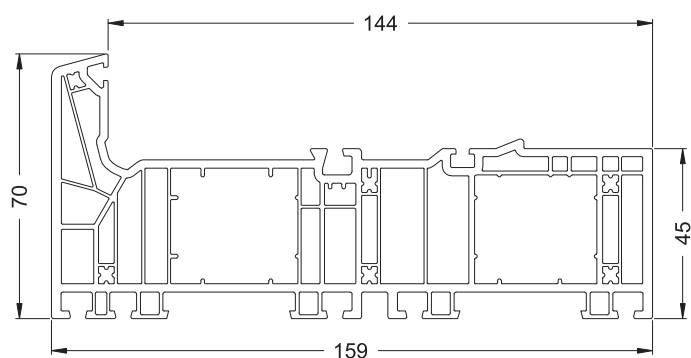
		Type 01
Maximum external dimensions of the frame (BxH)	White	4422 x 2500 mm
	Color	4422 x 2400 mm
Minimum external dimensions of the frame (BxH)	White	1422 x 790 mm *
	Color	1422 x 790 mm *

Sash width : Sash height ≤ 1 : 2

LIVING MOVE - LIST OF PROFILES

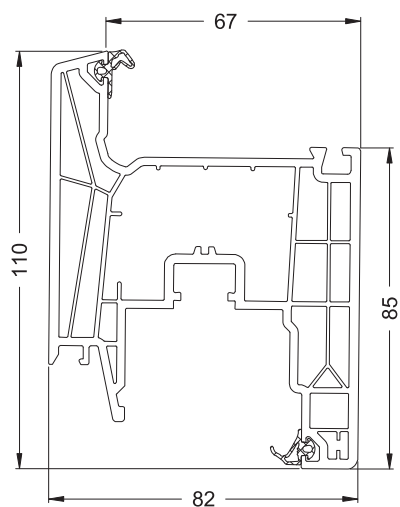
FRAME

9770



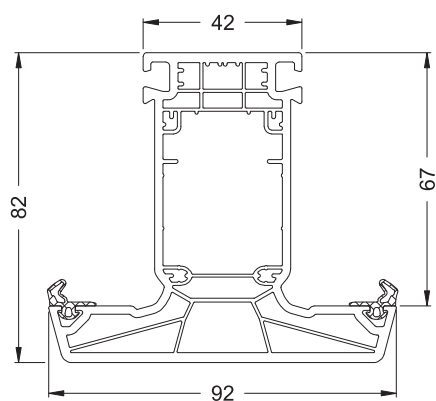
SASH

9771



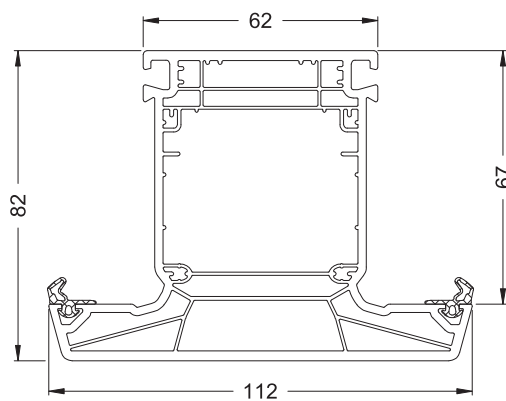
MULLION 82/92

9461



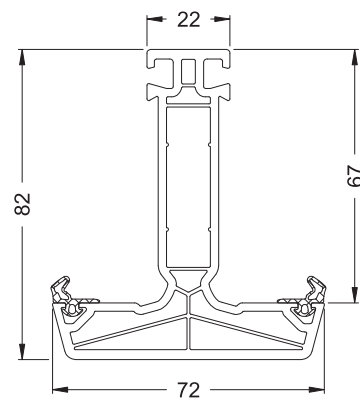
MULLION 82/112

9462



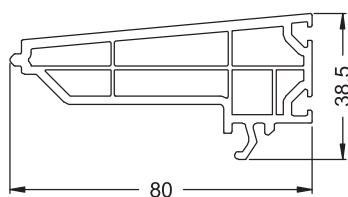
MULLION TO THE SASH 82/72

9460

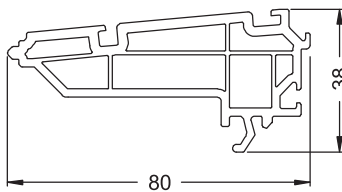


SUPPLEMENTARY PROFILES

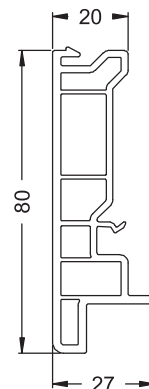
9774



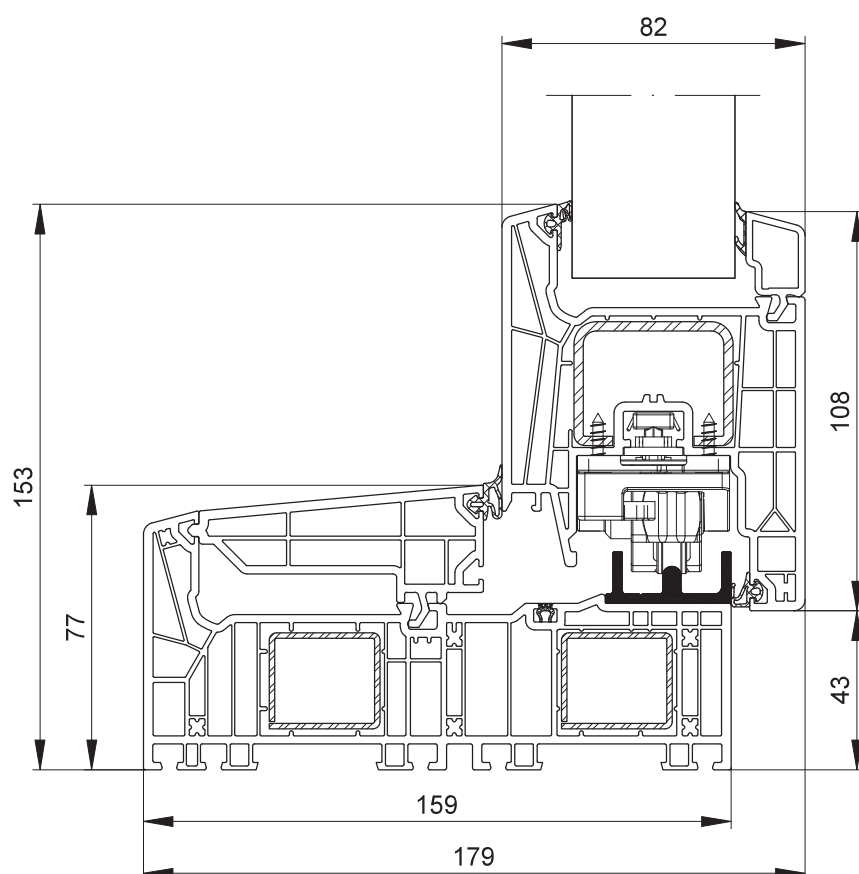
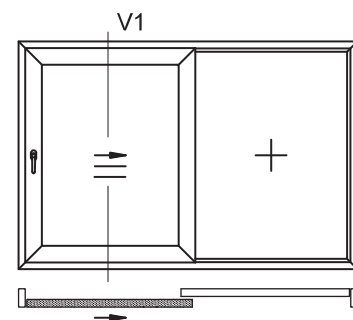
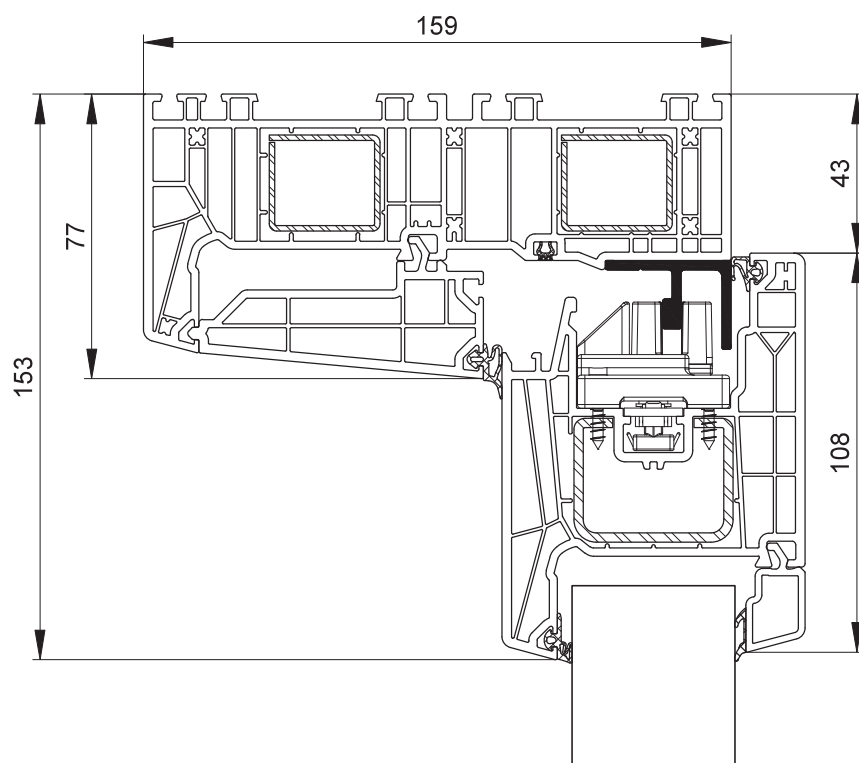
9775



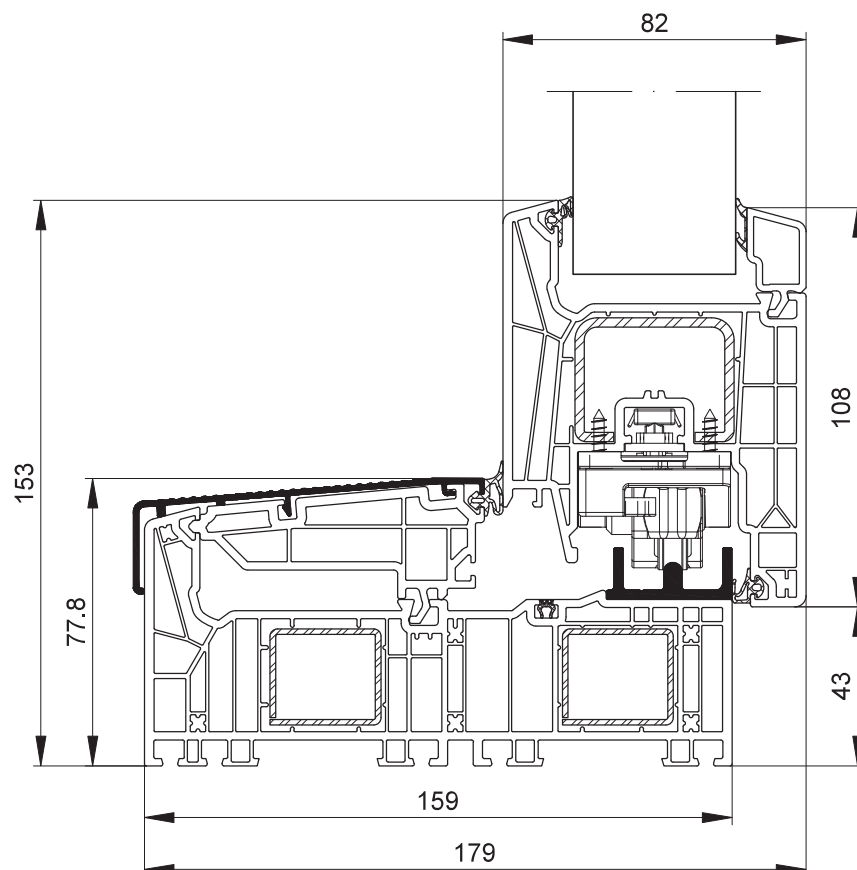
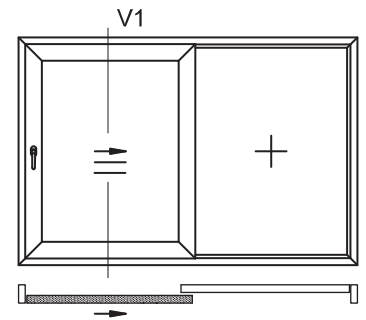
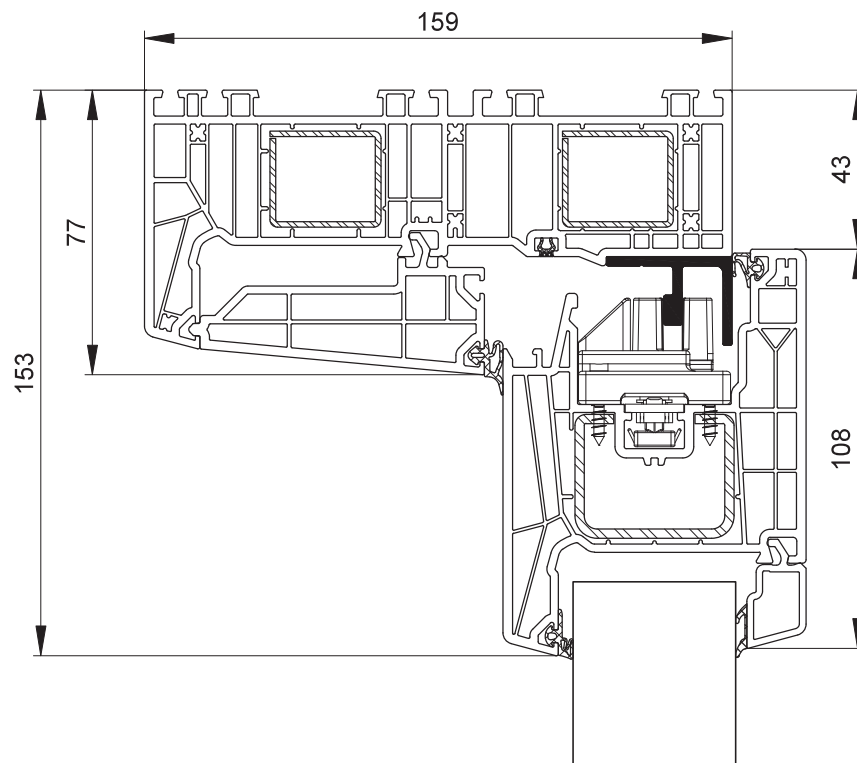
9776



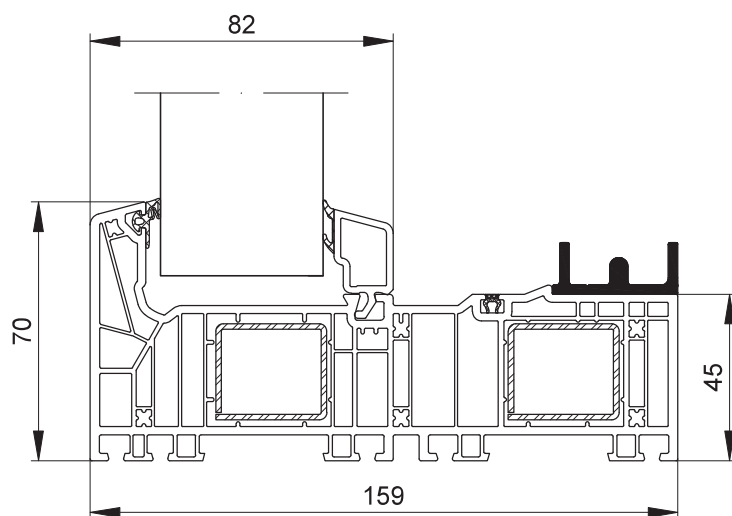
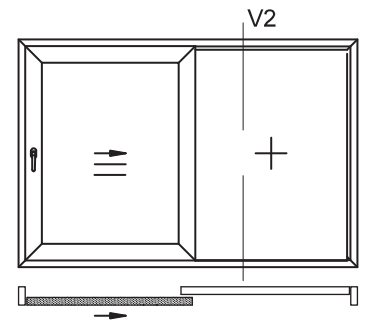
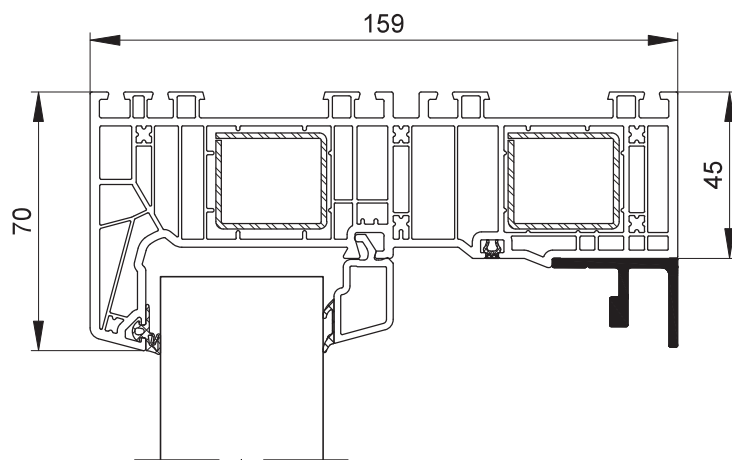
LIVING MOVE - CROSS SECTIONS



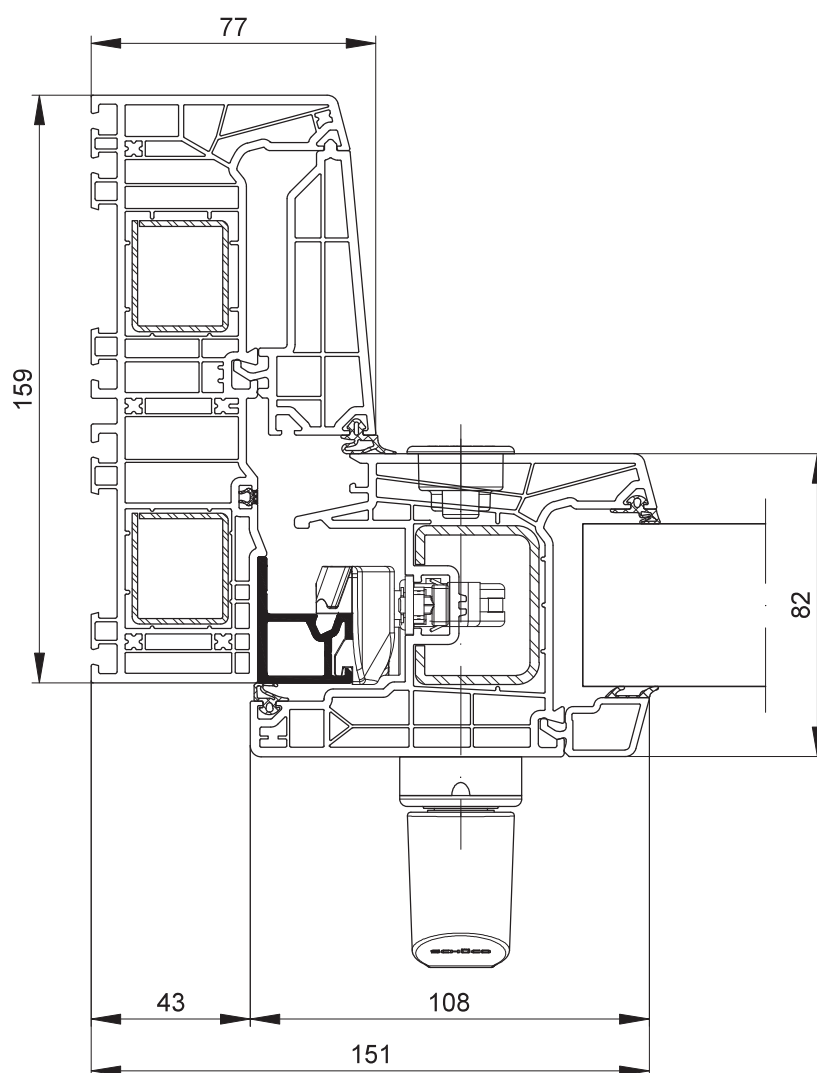
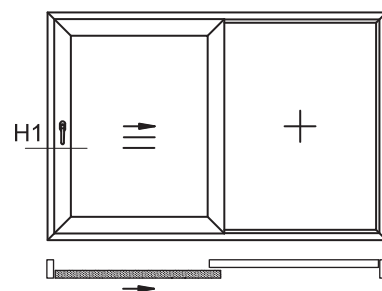
LIVING MOVE - CROSS SECTIONS



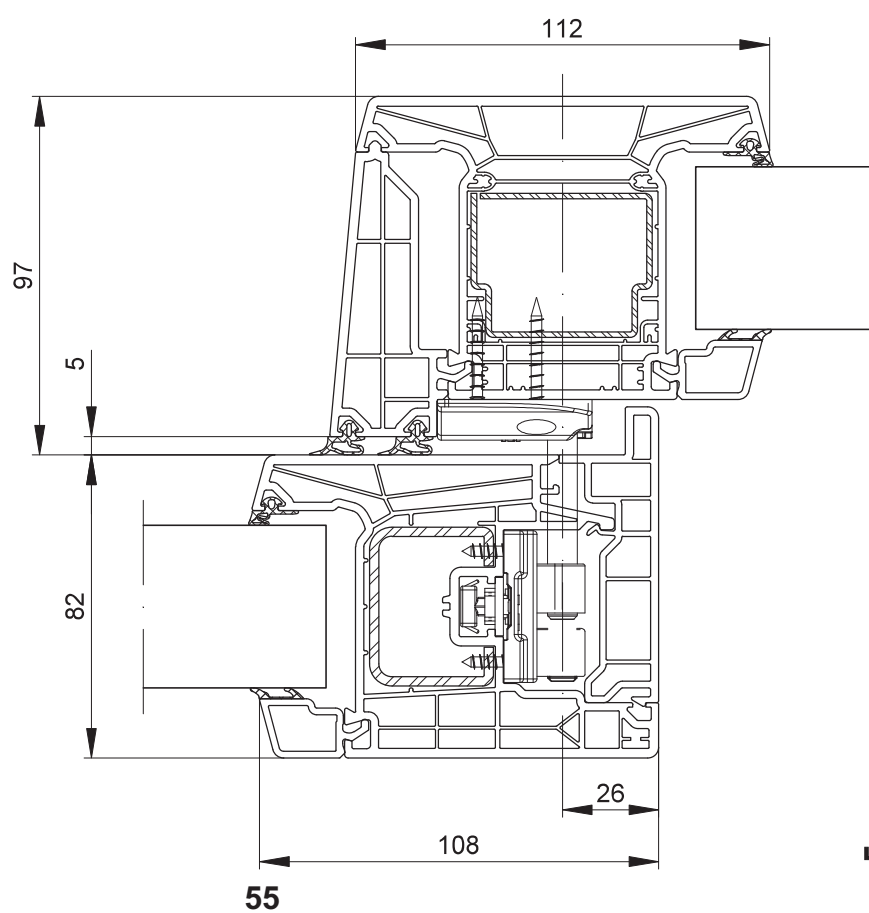
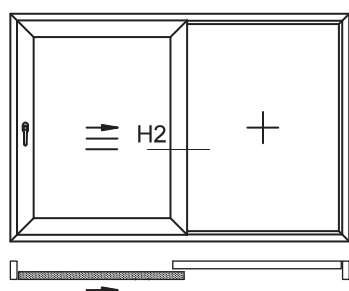
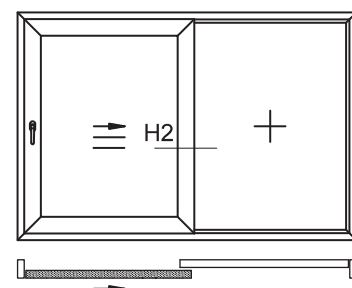
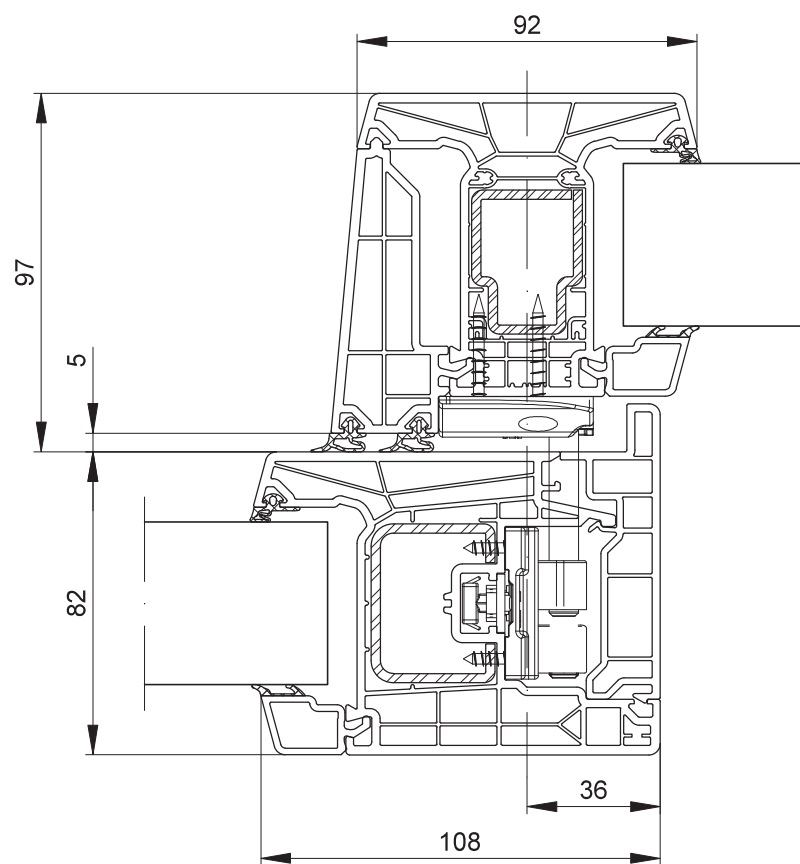
LIVING MOVE - CROSS SECTIONS



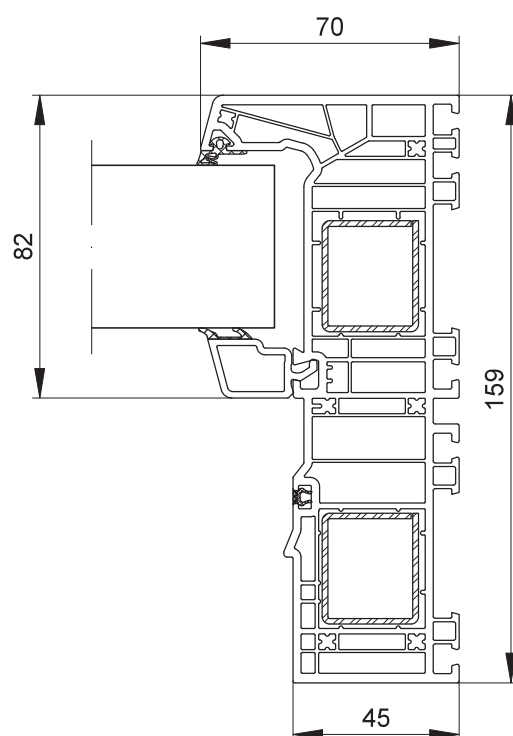
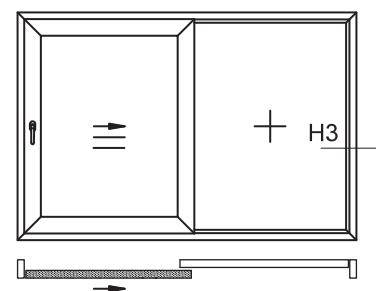
LIVING MOVE - CROSS SECTIONS



LIVING MOVE - CROSS SECTIONS



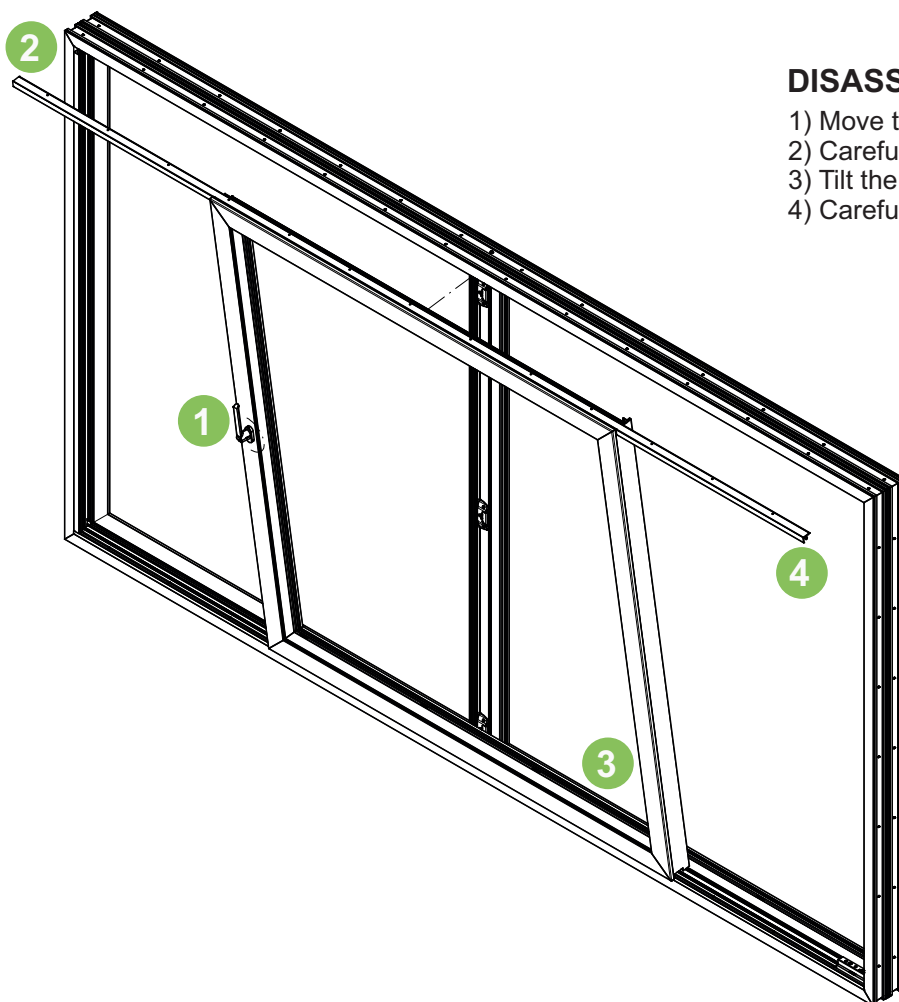
LIVING MOVE - CROSS SECTIONS



LIVING MOVE - SASH ASSEMBLY / DISASSEMBLY

ASSEMBLY

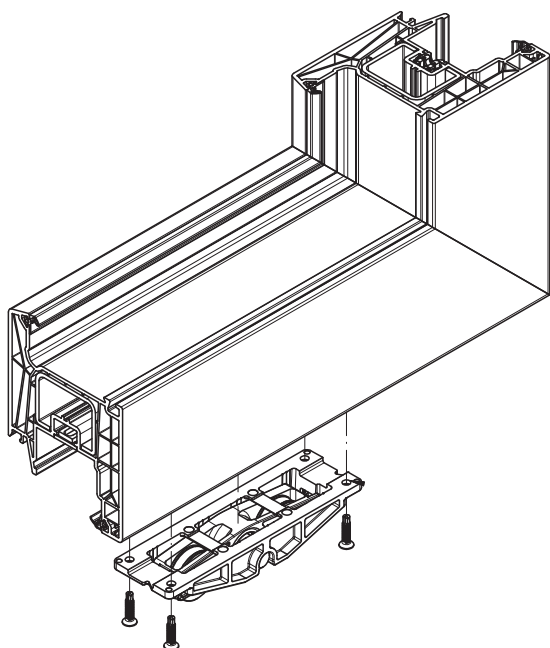
- 1) Move the sash fitting to the open position - turn the handle up
- 2) Unscrew the upper guide and place it on the leaf
- 3) Place the sash on the rail and embed it in the frame
- 4) Screw the upper guide to the frame



DISASSEMBLY

- 1) Move the sash to the open position
- 2) Carefully unscrew the guide from the frame
- 3) Tilt the sash together with the upper guide
- 4) Carefully pull out the sash and guide

TROLLEYS



When leaf weight < 200 kg, 2 trolleys are used

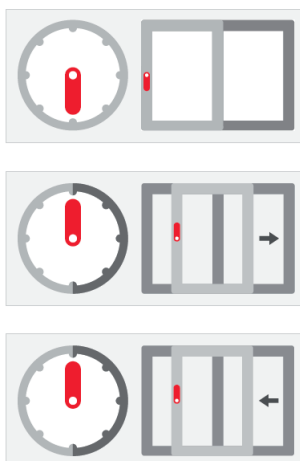
For leaves weighing > 200 kg, 4 trolleys are used

LIVING MOVE - FITTINGS

ROTO PATIO INOWA



Scheme A



The following fittings options are available:

1. standard
2. RC2

It is possible to use additional elements for the above fittings options:

- a) amortization: SoftOpen / SoftClose / SoftOpen + SoftClose
- b) Roto E-Tec reed switches - **in preparation**

SoftOpen / SoftClose amortization



The **SoftOpen** function brakes the sash briefly after opening and pulls it into the open end position



The **SoftClose** function gently brakes the sash when closing and moves them to the end position

Roto E-Tec reed switches



MVS sensor with hook

Class B MVS reed switch with sensor integrated in the catch. The MVS system controls whether the Roto Patio Inowa structure is open or closed. When the magnetic field in the MVS sensor is interrupted, the system sends a pulse through hidden wiring.

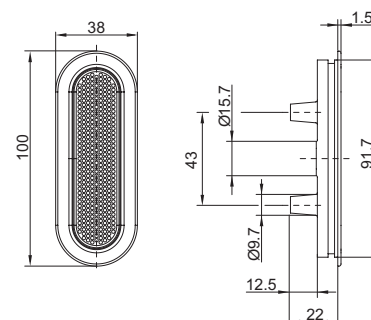
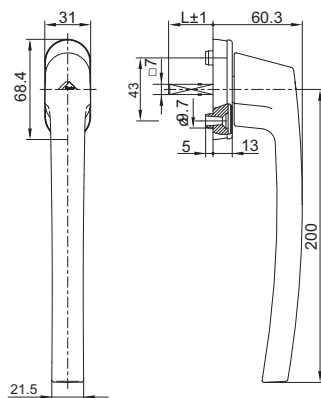
LIVING MOVE - FITTINGS

ROTO PATIO INOWA

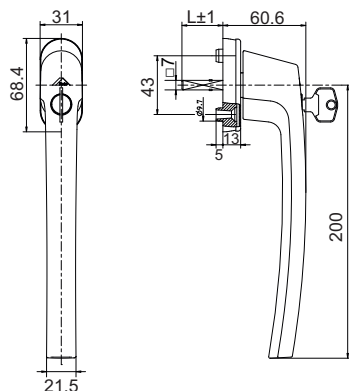
HANDLES



INTERIOR HANDLE + GRIP

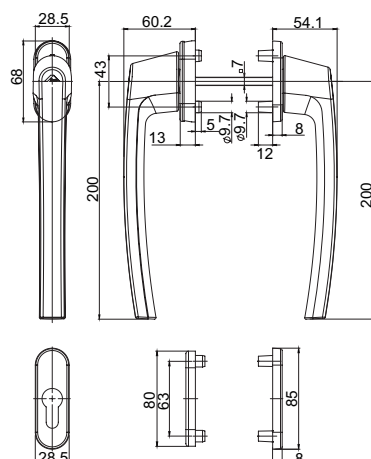


INTERIOR HANDLE WITH LOCK + GRIP



43	R01.1	Natural silver	Eloks.
	R01.2	New silver	Eloks.
	R01.3	Titanium	Eloks.
	R01.5	Silver	Powder coated
	R02.2	Anthracite	Powder coated
	R04.4	Brown	Powder coated
	R05.3	Medium brown	Eloks.
	R05.4	Dark brown	Powder coated
	R05.5	Brown	Eloks.
	R06.2M	Black mat	Powder coated
	R07.2	White	Powder coated
	R07.3	Creamy	Powder coated

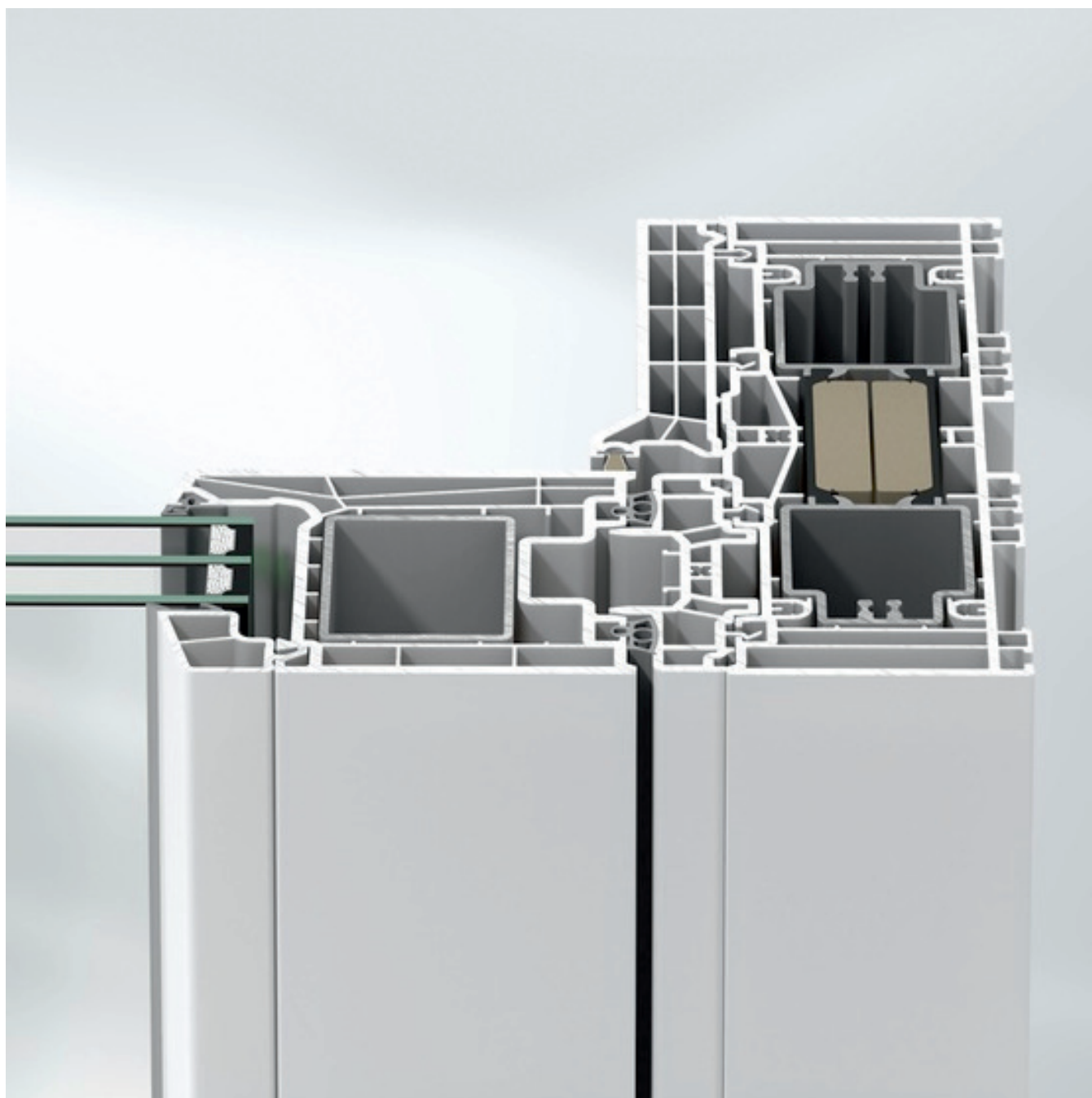
DOUBLE SIDED HANDLE + CYLINDER



The double-sided handle is available in limited colors:

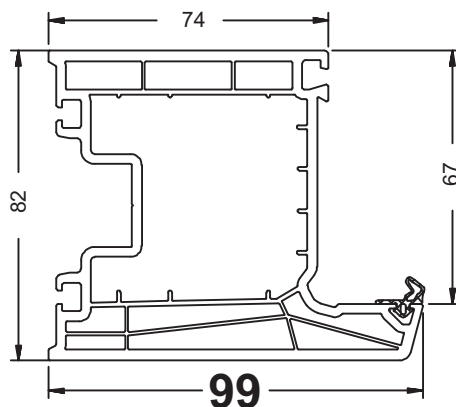
- R01.1 - Natural silver
- R06.2M - Black mat
- R07.2 - White



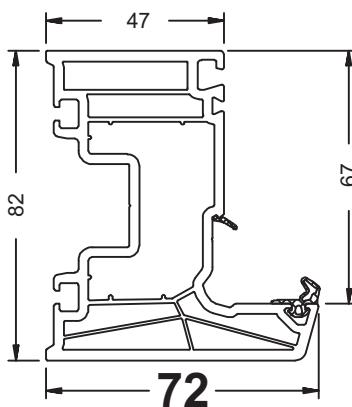


LIVINGSIDE - LIST OF SASH PROFILES

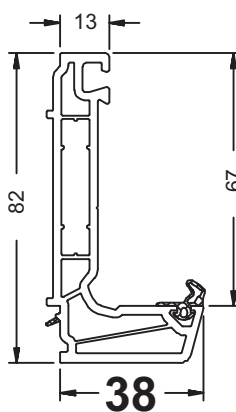
9713 Standard



9740 Panorama

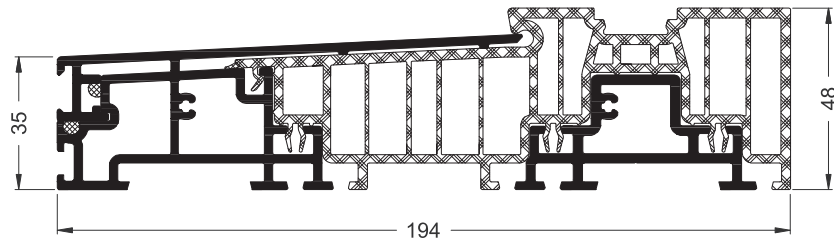


9726 FIX- Panorama

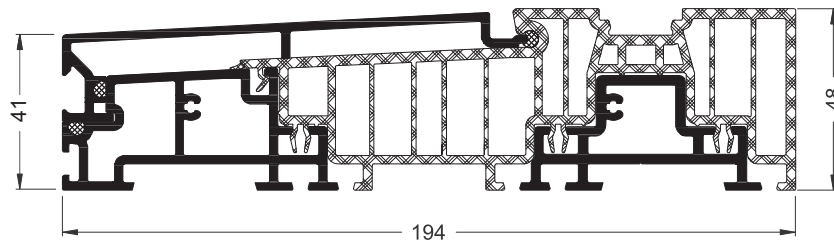


LIVINGSIDE - THRESHOLD VARIANTS

Standard threshold



Barrier-free threshold



LIVINGSIDE - SASHES VARIANTS

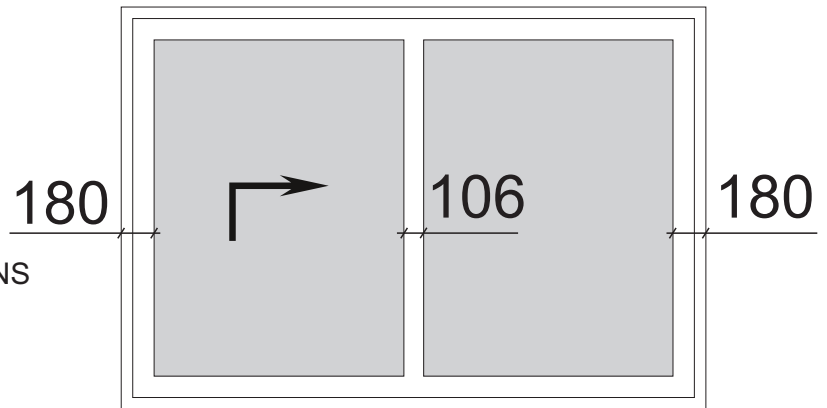
VARIANT 1

SASHES

STANDARD 9713 + 9713

GLASS - IDENTICAL DIMENSIONS

STD VERSION - RECOMMENDED
FOR LARGEDIMENSIONS



VARIANT 2

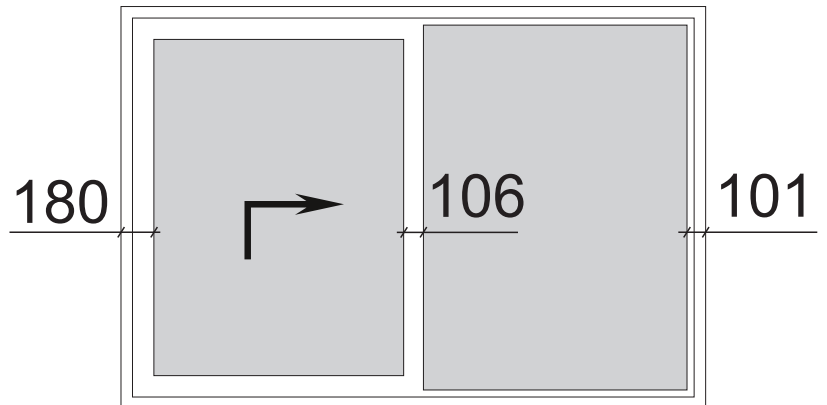
SASHES

STANDARD 9713

+ PANORAMA-FIX 9726

GLASS - DIFFERENT DIMENSIONS !!!

MORE LIGHT IN THE FIX
FIX AREA > min 11%



VARIANT 3

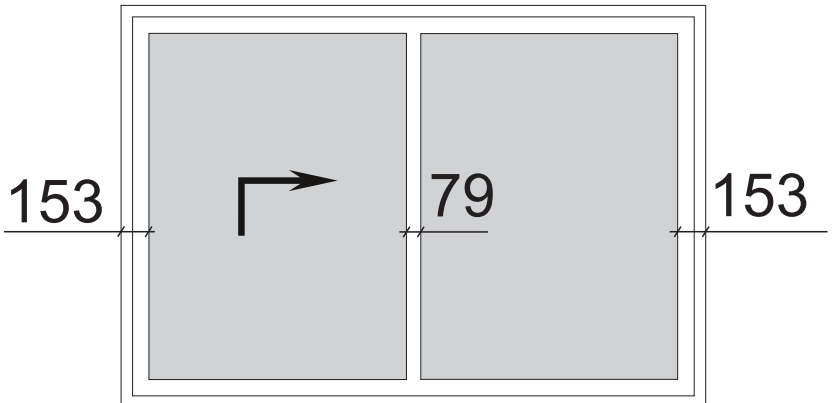
SASHES

PANORAMA 9740 + 9740

GLASS - IDENTICAL DIMENSIONS

AN ALTERNATIVE FOR - VARIANT 1

- MORE LIGHT ok. 6%
- SHAPER APPEARANCE WITH
SMALLER DIMENSIONS



VARIANT 4

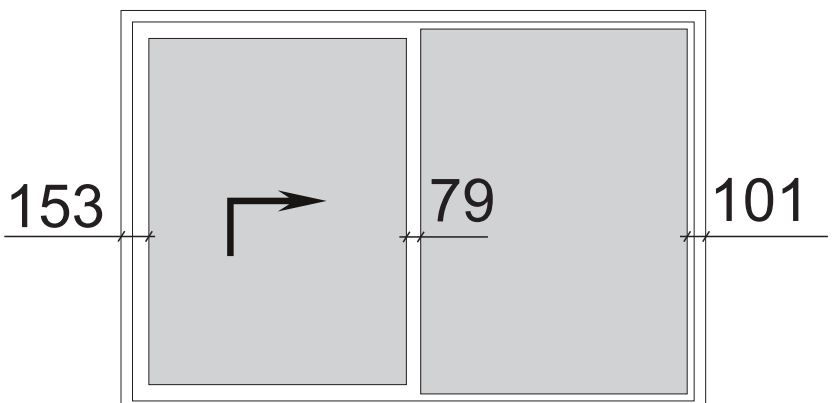
SASHES

PANORAMA 9740

+ PANORAMA-FIX 9726

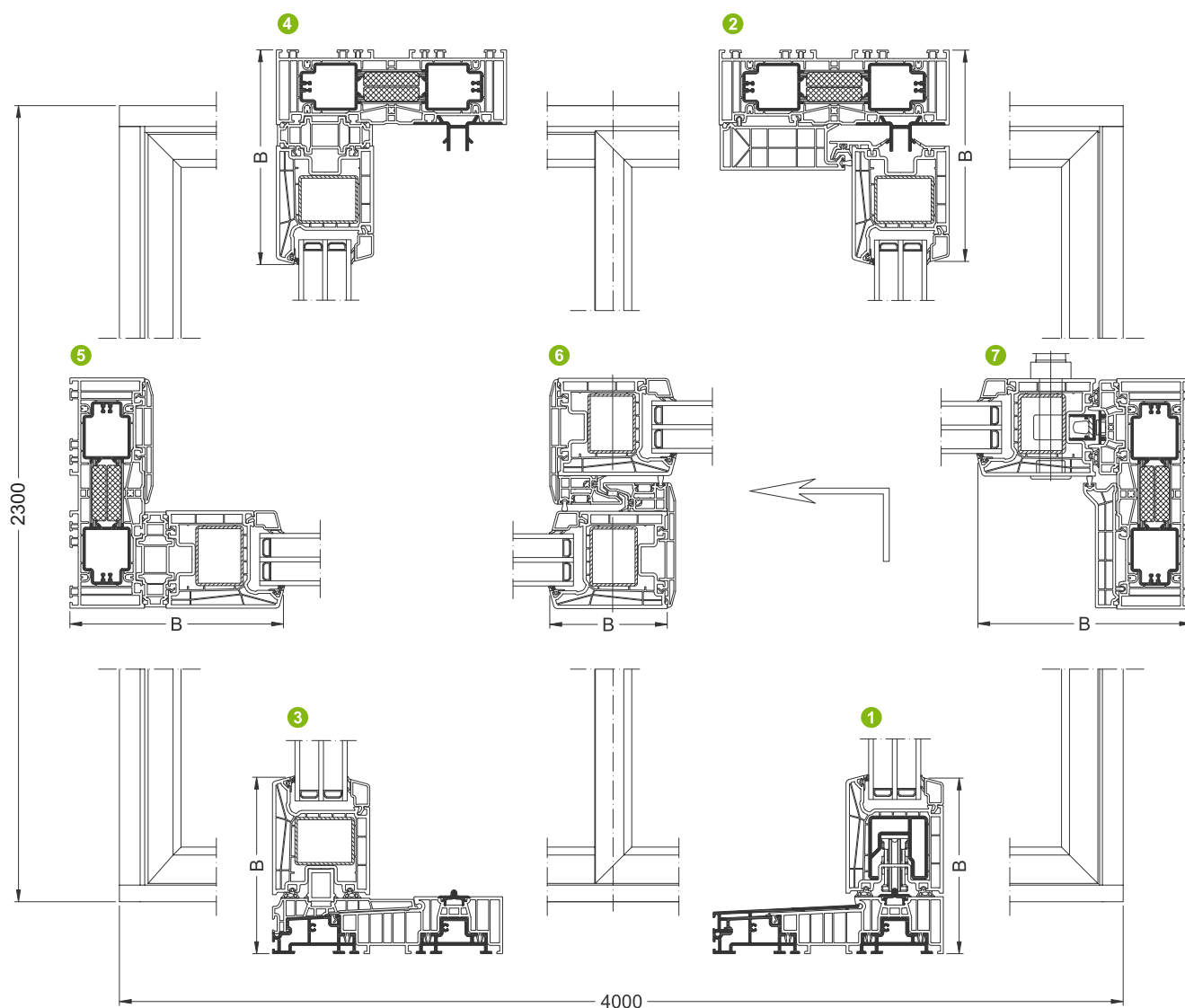
GLASS - DIFFERENT DIMENSIONS !!!

- VERSION WITH THE LARGEST
AREA OF GLASS !!!
- SHAPER APPEARANCE WITH
SMALLER DIMENSIONS



LIVINGSIDE - VALUES OF THE U FACTOR

VARIANT 1 - STANDARD SASH 9713

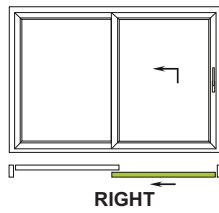
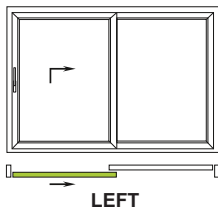


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

Section detail	Face width (B) in mm	U _f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
①	150	1,5	1,5	1,4
②	180	1,4	1,4	1,3
③	150	1,5	1,5	1,5
④	180	1,2	1,2	1,2
⑤	180	1,2	1,2	1,1
⑥	106	1,7	1,6	1,5
⑦	180	1,2	1,1	1,1
Total		9,7	9,5	9,1
Average value		1,39	1,36	1,30

LIVINGSIDE - DOOR TYPES

VARIANT 1 - STANDARD SASH 9713

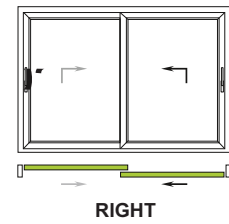
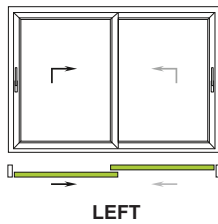


Type 01

MAXIMUM SIZE W X H:

5000 x 2600 mm
6500 x 2800 mm

Laminated
White

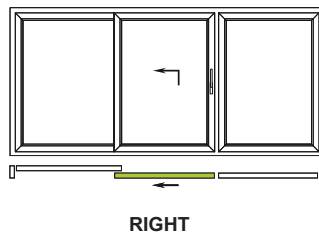
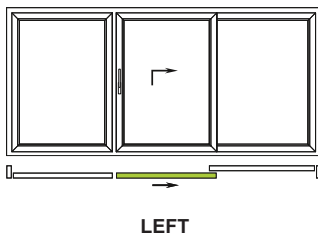


Type 02

MAXIMUM SIZE W X H:

5000 x 2600 mm
6500 x 2800 mm

Laminated
White

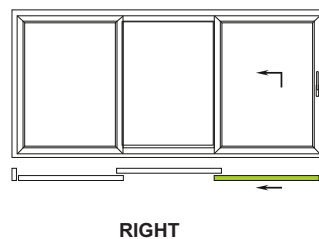
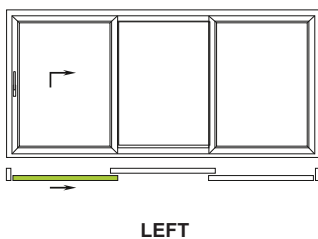


Type 03

MAXIMUM SIZE W X H:

6500 x 2350 mm
6500 x 2500 mm

Laminated
White

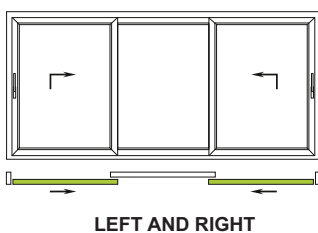


Type 04

MAXIMUM SIZE W X H:

6500 x 2600 mm
6500 x 2800 mm

Laminated
White

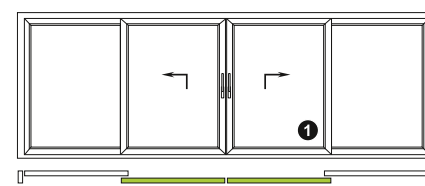
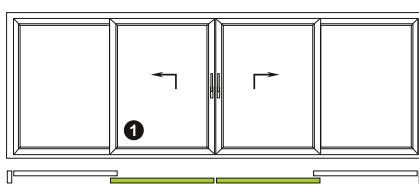


Type 05

MAXIMUM SIZE W X H:

6500 x 2600 mm
6500 x 2800 mm

Laminated
White



Type 06

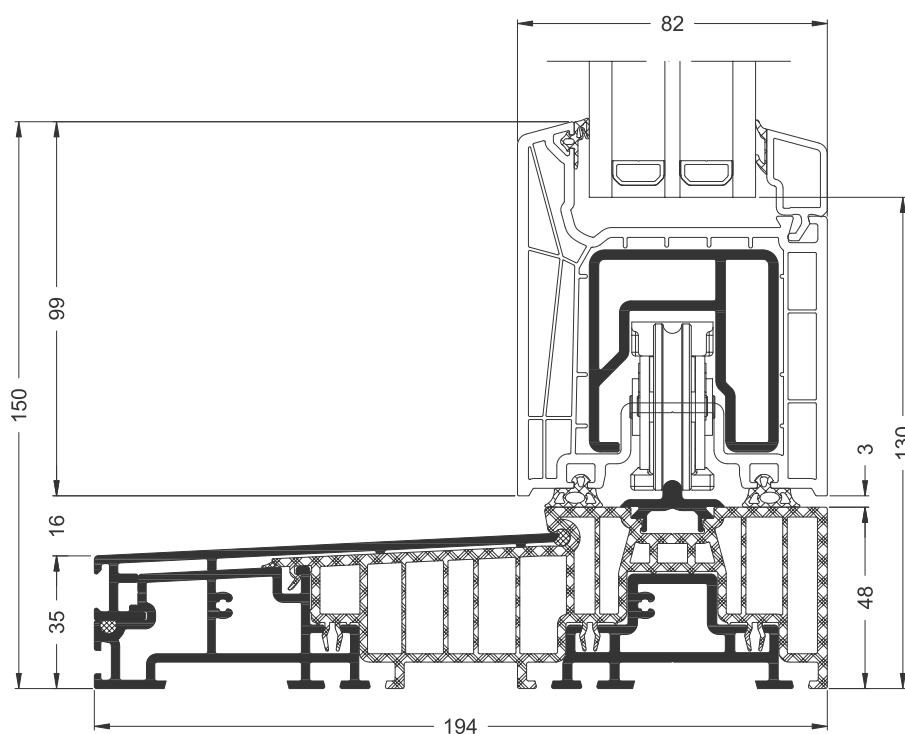
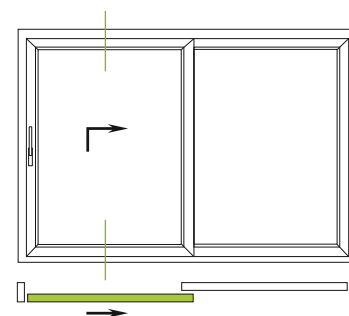
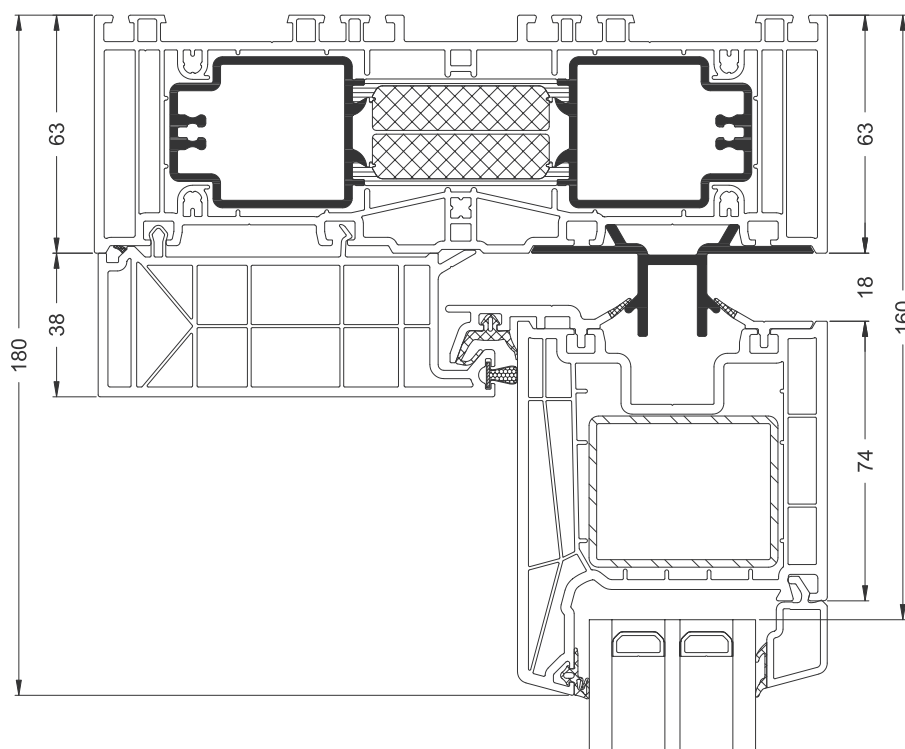
MAXIMUM SIZE W X H:

6500 x 2350 mm
6500 x 2500 mm

Laminated
White

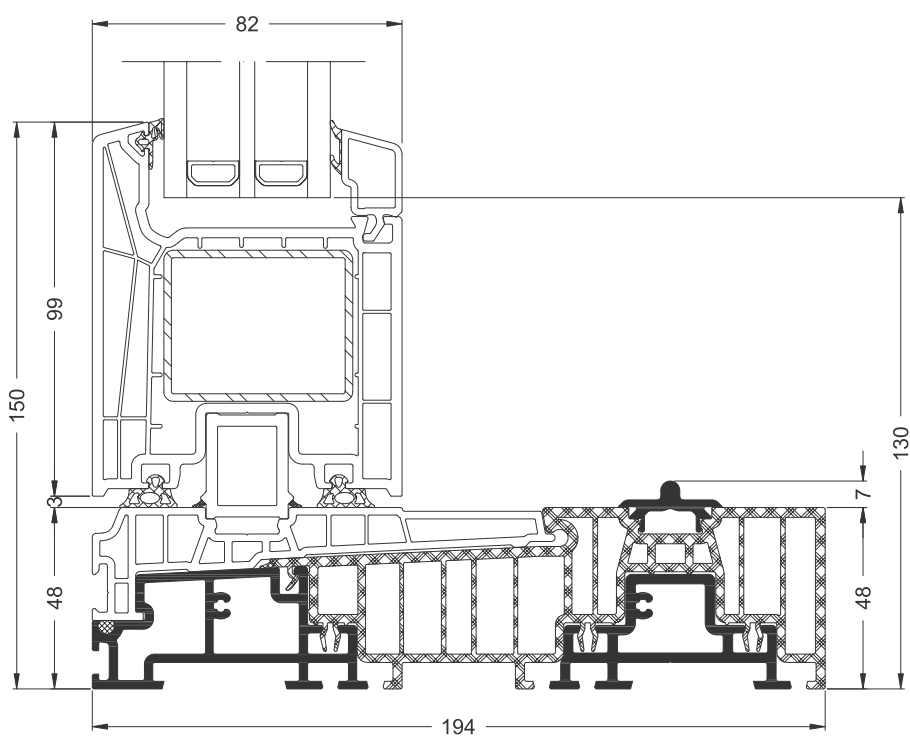
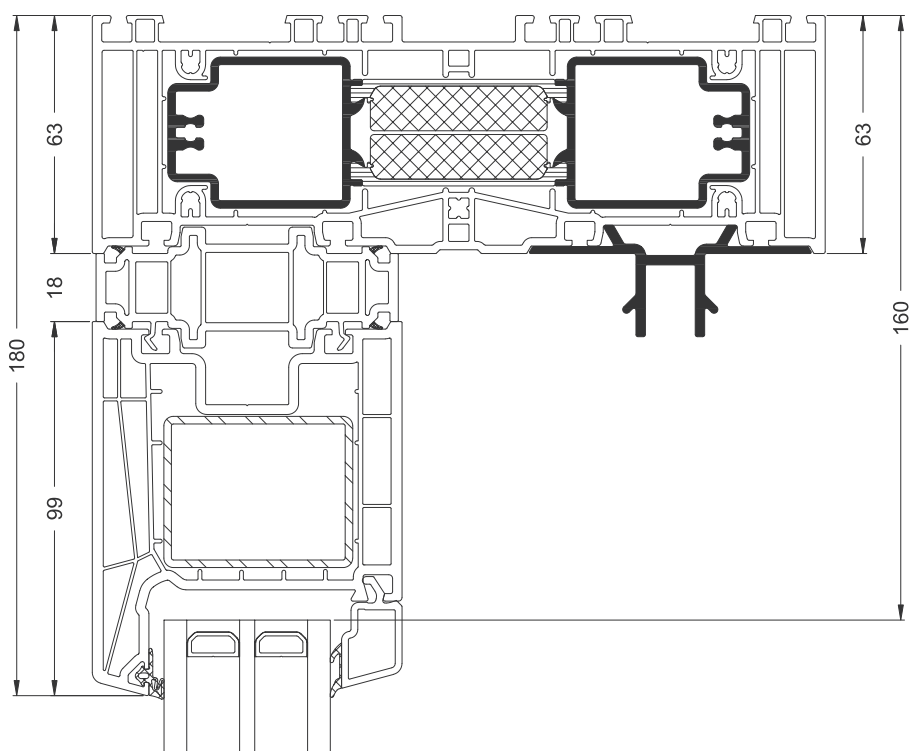
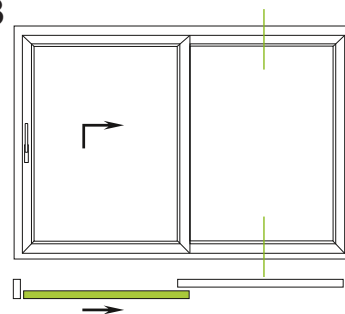
LIVINGSIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



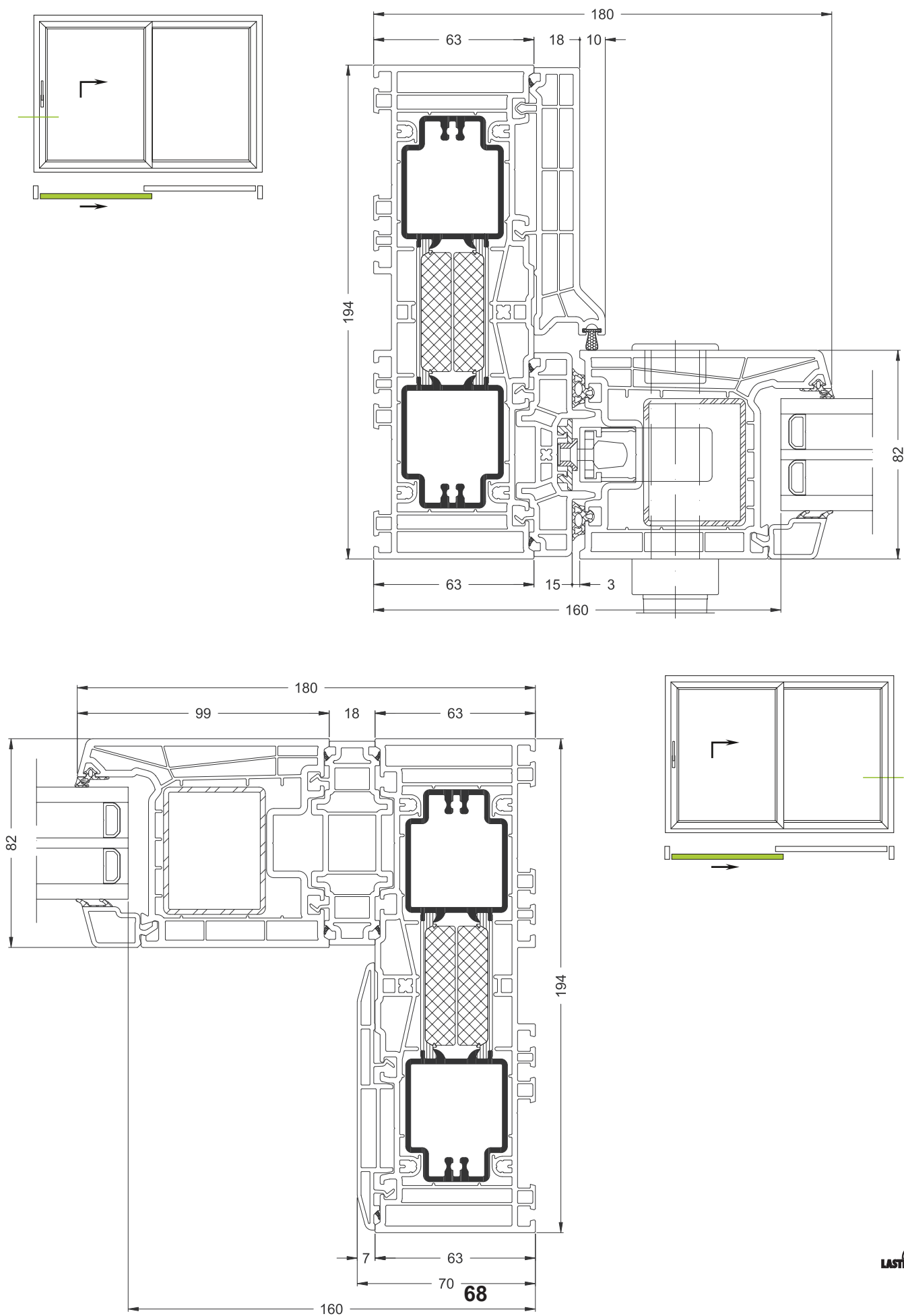
LIVINGSIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



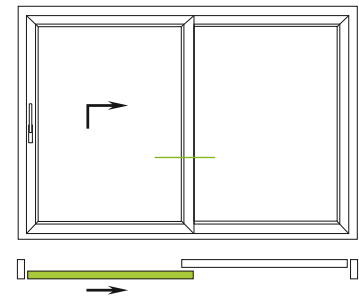
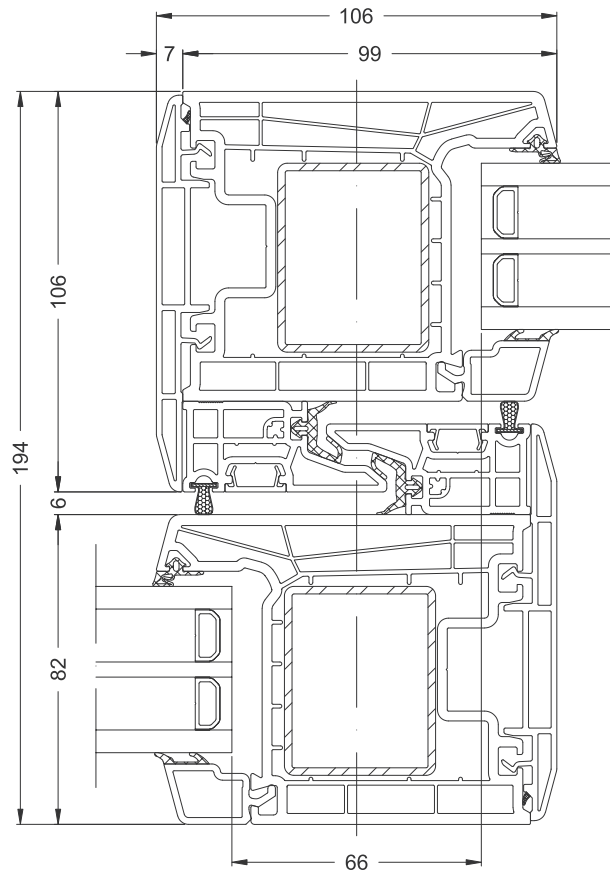
LIVINGSIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



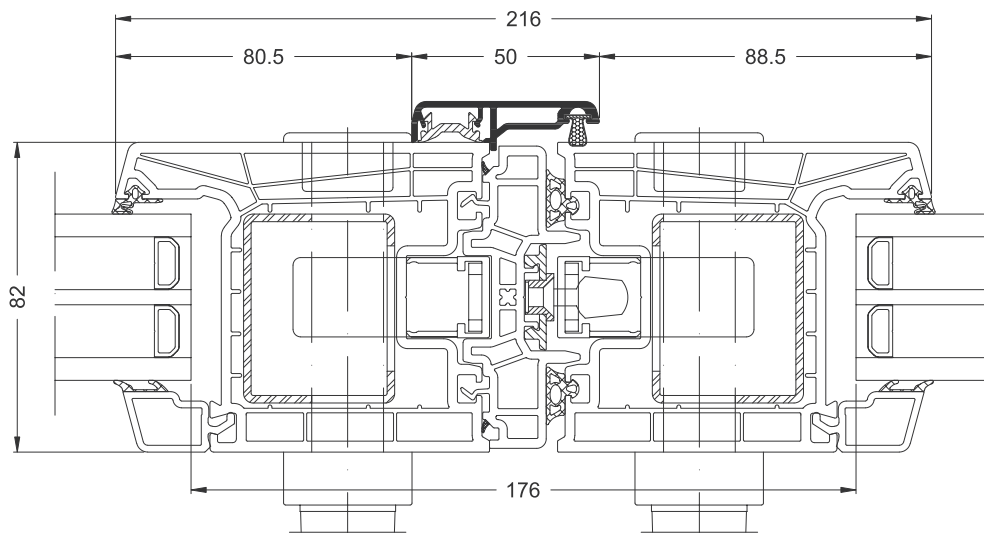
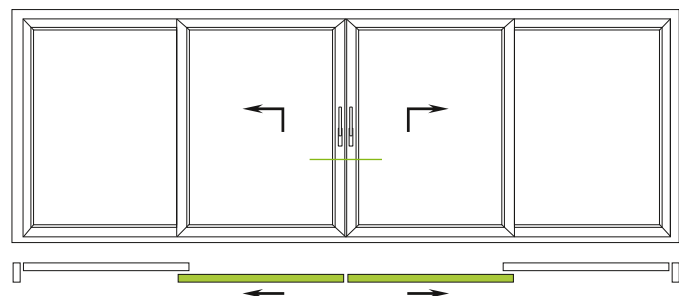
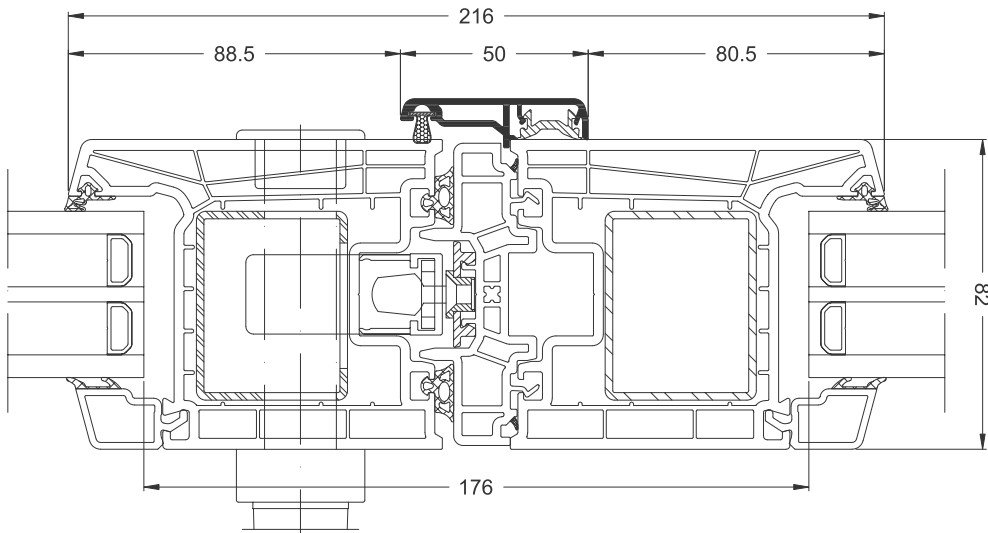
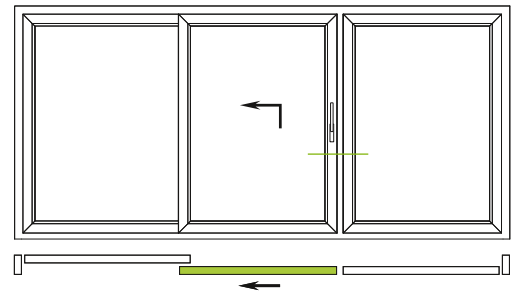
LIVINGSIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



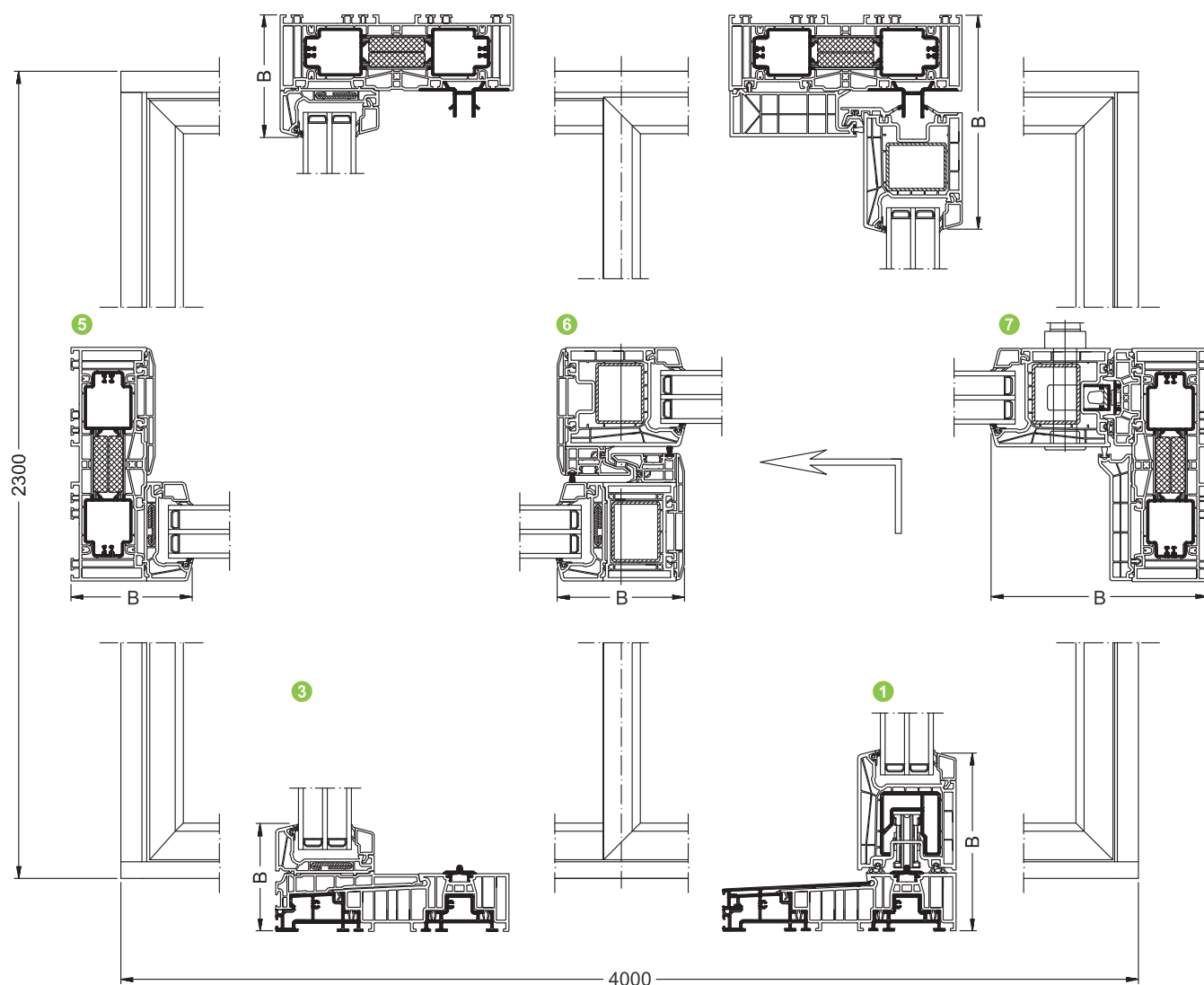
LIVINGSIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



LIVINGSIDE - VALUES OF THE U FACTOR

VARIANT 2 - STANDARD SLIDING SASH 9713 + FIXED SASH PANORAMA 9726

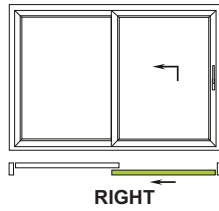
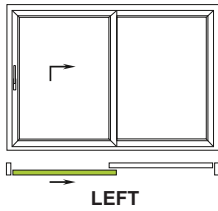


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

Section detail	Face width (B) in mm	U _f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	150	1,7	1,6	1,5
2	180	1,2	1,1	1,1
3	88	1,5	1,5	1,4
4	101	1,4	1,4	1,3
5	101	1,2	1,1	1,1
6	106	1,7	1,5	1,4
7	180	1,2	1,1	1,0
Total		9,9	9,3	8,8
Average value		1,41	1,33	1,26

LIVINGSIDE - DOOR TYPES

VARIANT 2 - STANDARD SLIDING SASH 9713 + FIXED SASH PANORAMA 9726

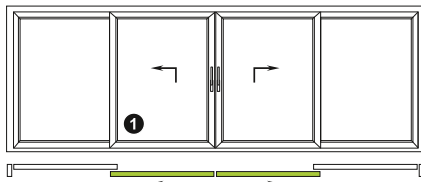


Type 01

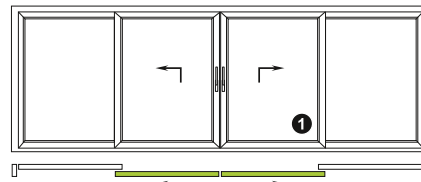
MAXIMUM SIZE W X H:

5000 x 2600 mm
6500 x 2800 mm

Laminated
White



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

Type 06

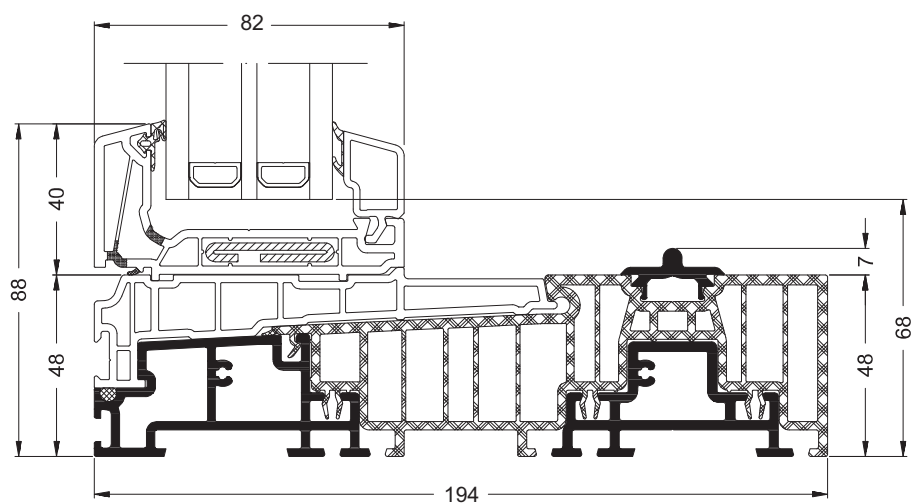
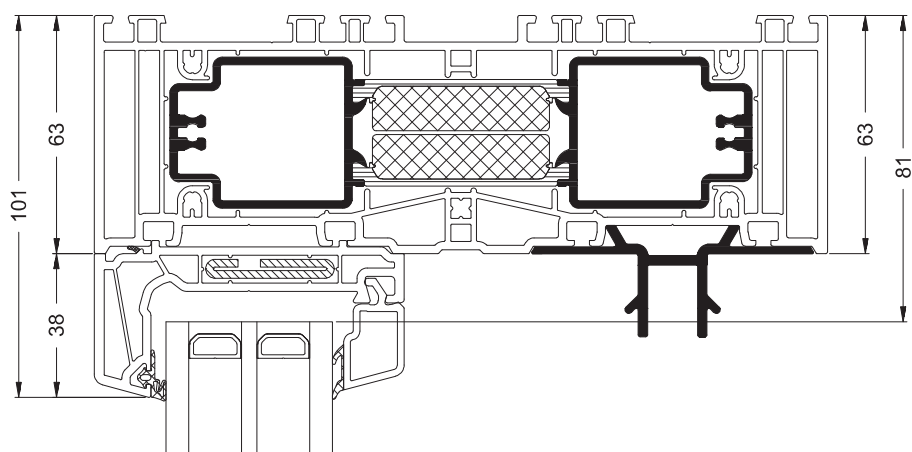
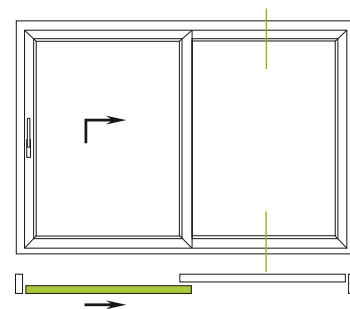
MAXIMUM SIZE W X H:

6500 x 2350 mm
6500 x 2500 mm

Laminated
White

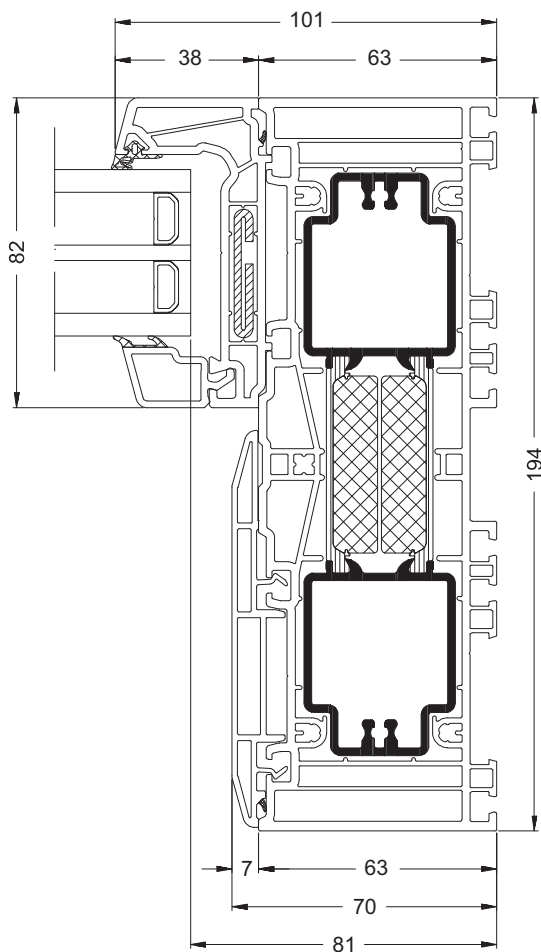
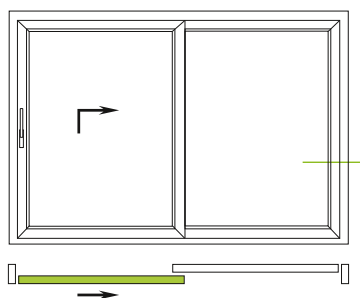
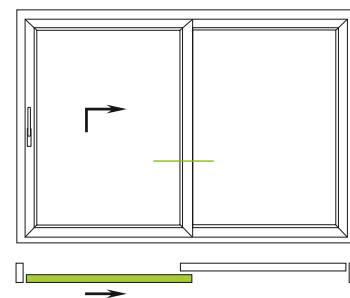
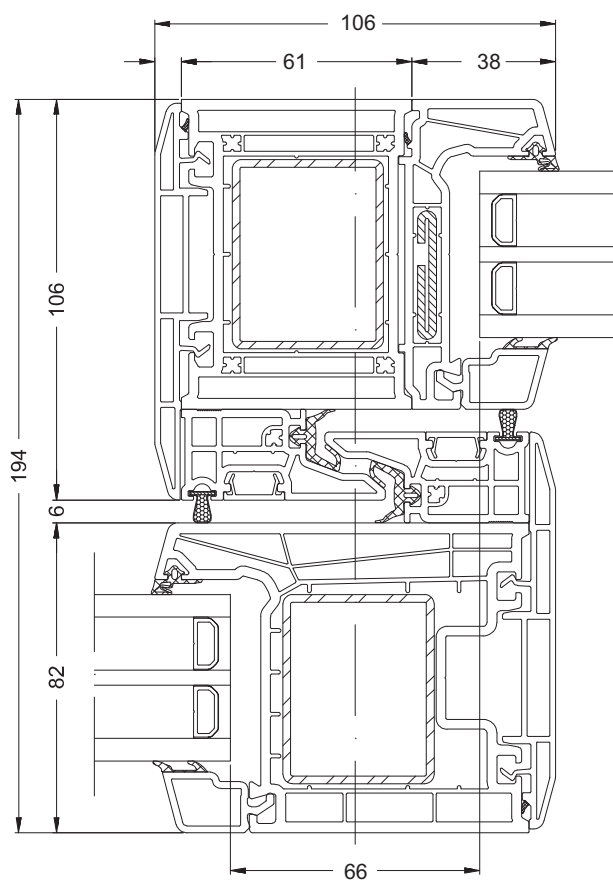
LIVINGSIDE - CROSS SECTIONS

VARIANT 2 - STANDARD SLIDING SASH 9713 + FIXED SASH PANORAMA 9726



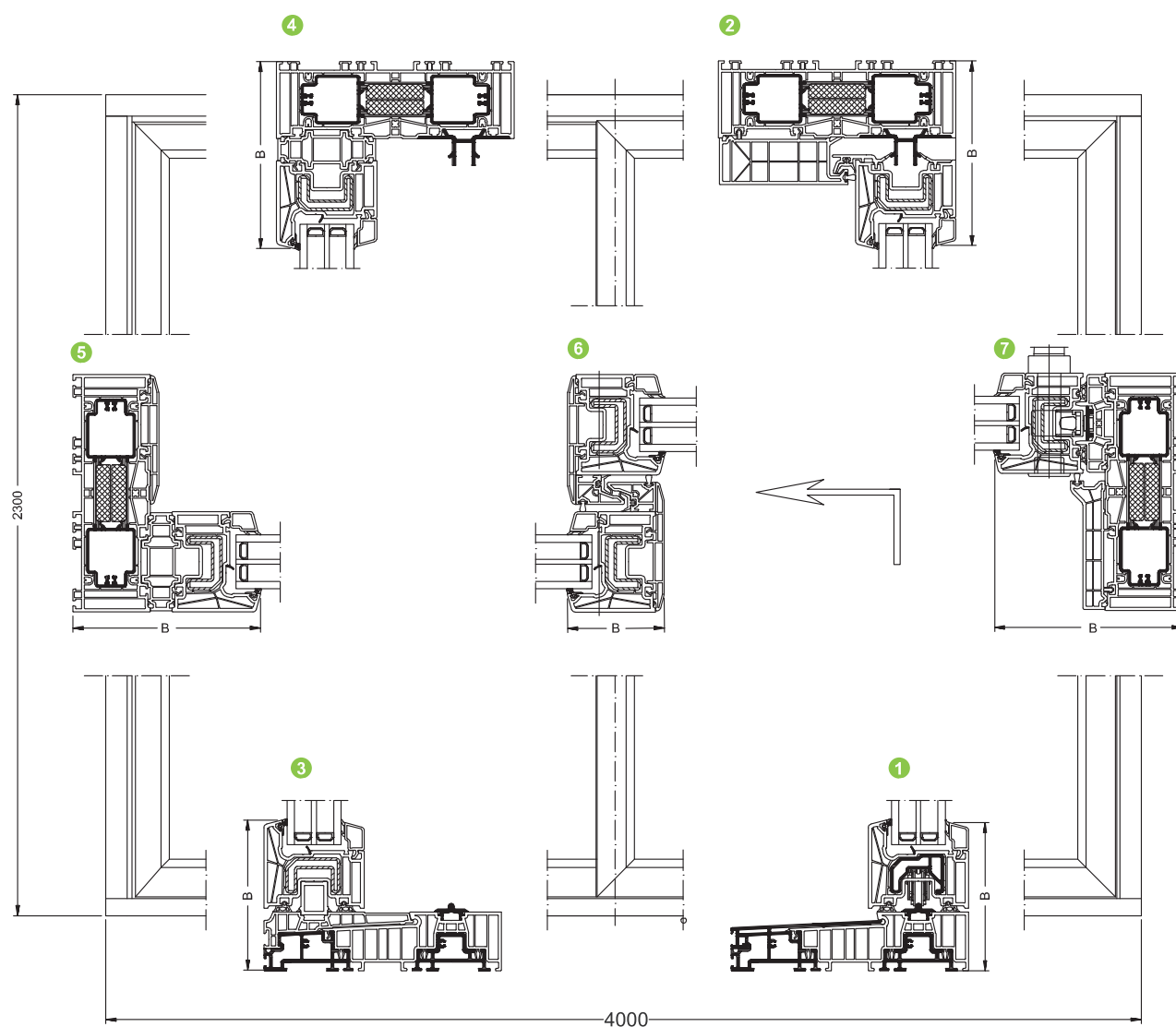
LIVINGSIDE - CROSS SECTIONS

VARIANT 2 - STANDARD SLIDING SASH 9713 + FIXED SASH PANORAMA 9726



LIVINGSIDE - VALUES OF THE U FACTOR

VARIANT 3 - PANORAMA SASH 9740

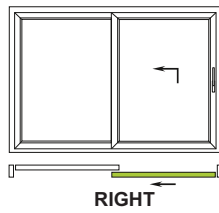
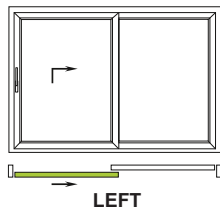


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

Section detail	Face width (B) in mm	Wartość U_f W/m ² K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	123	1,5	1,4	1,4
2	153	1,3	1,3	1,3
3	123	1,5	1,5	1,4
4	153	1,2	1,1	1,1
5	153	1,1	1,1	1,1
6	79	2,1	1,9	1,8
7	153	1,1	1,1	1,0
Total		9,8	9,4	9,1
Average value		1,4	1,34	1,3

LIVINGSIDE - DOOR TYPES

VARIANT 3 - PANORAMA SASH 9740

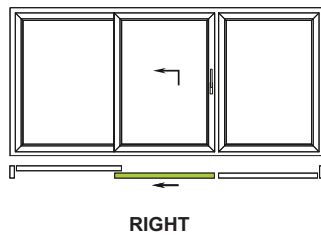
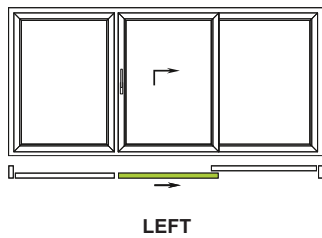


Type 01

MAXIMUM SIZE W X H:

4500 x 2300 mm
6500 x 2582 mm

Laminated
White

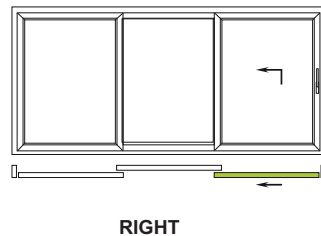
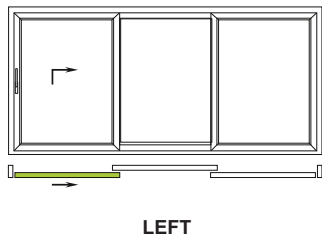


Type 03

MAXIMUM SIZE W X H:

5500 x 2150 mm
6500 x 2300 mm

Laminated
White

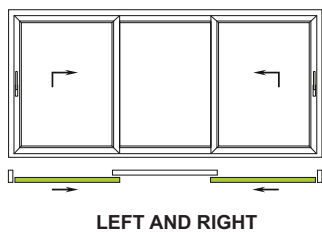


Type 04

MAXIMUM SIZE W X H:

5500 x 2300 mm
6500 x 2582 mm

Laminated
White

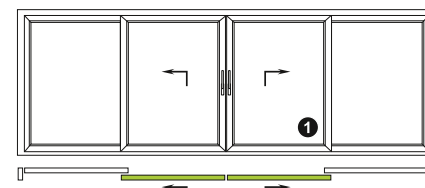
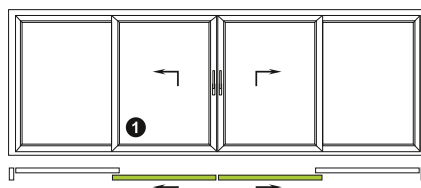


Type 05

MAXIMUM SIZE W X H:

5500 x 2300 mm
6500 x 2582 mm

Laminated
White



Type 06

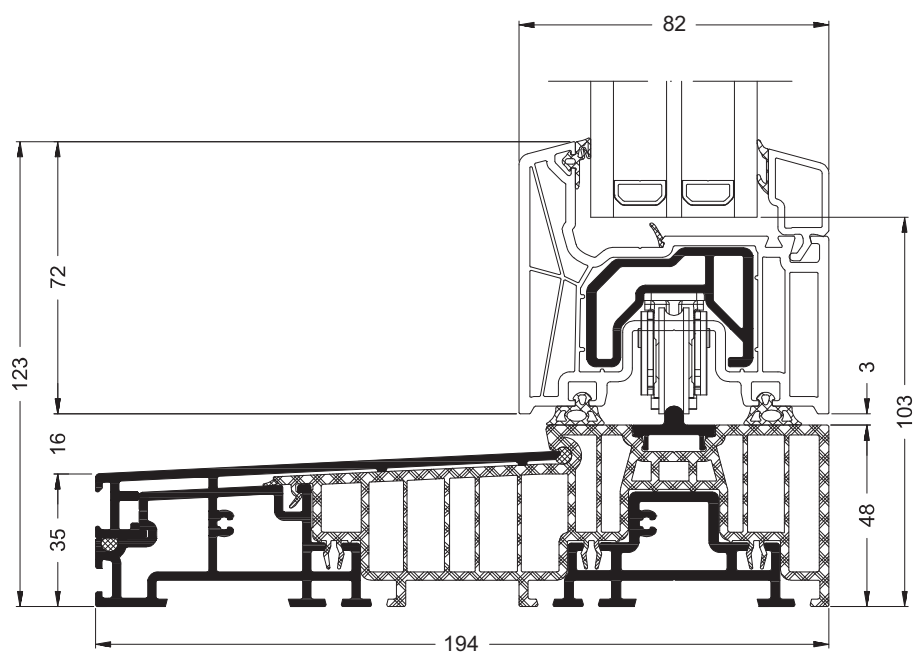
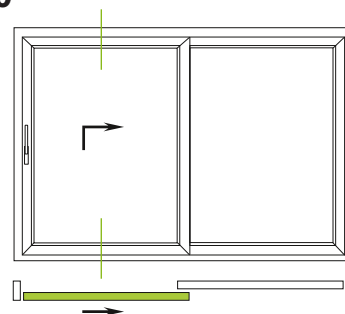
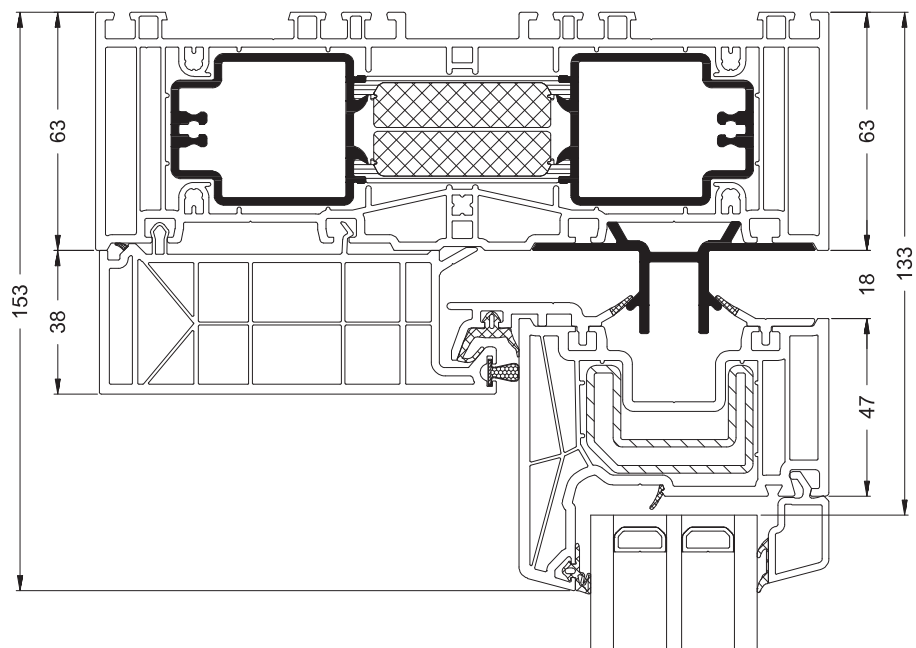
MAXIMUM SIZE W X H:

5500 x 2150 mm
6500 x 2300 mm

Laminated
White

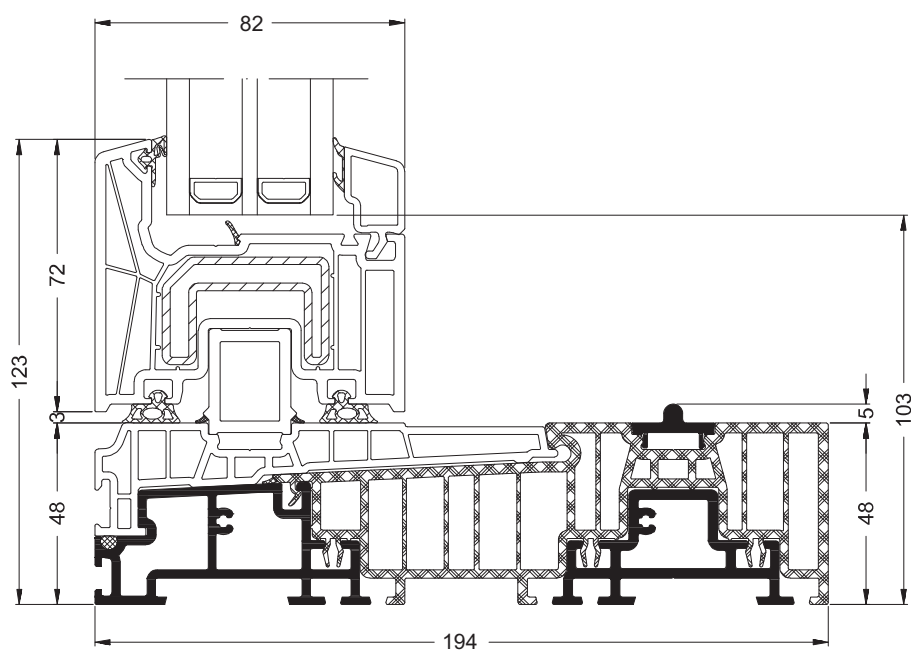
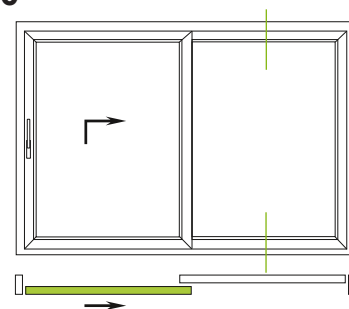
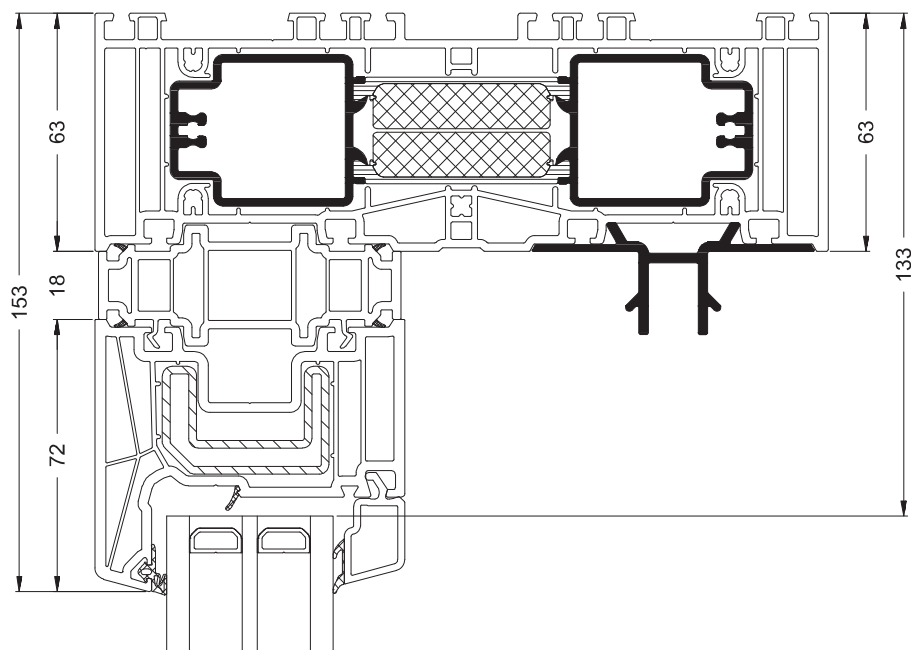
LIVINGSIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740



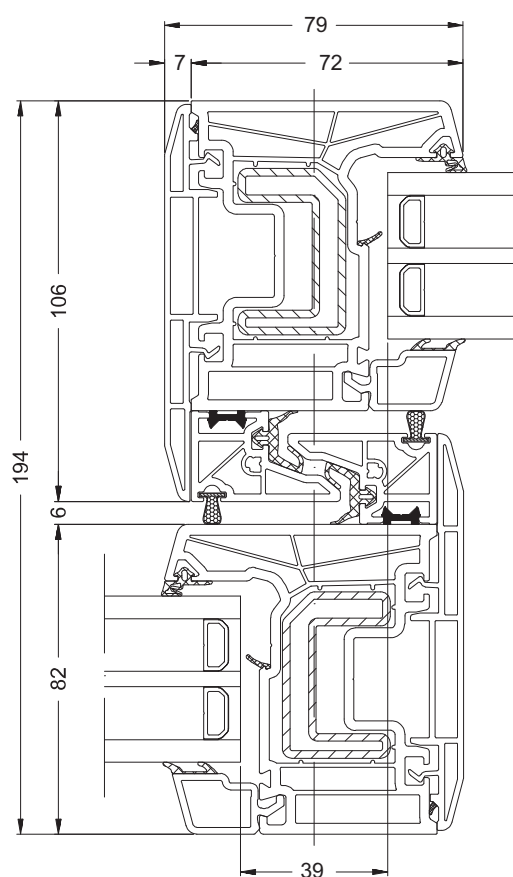
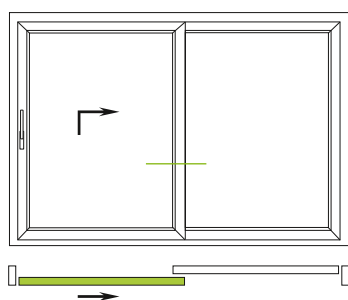
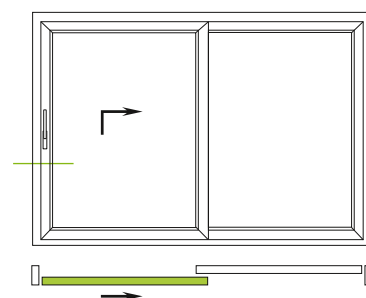
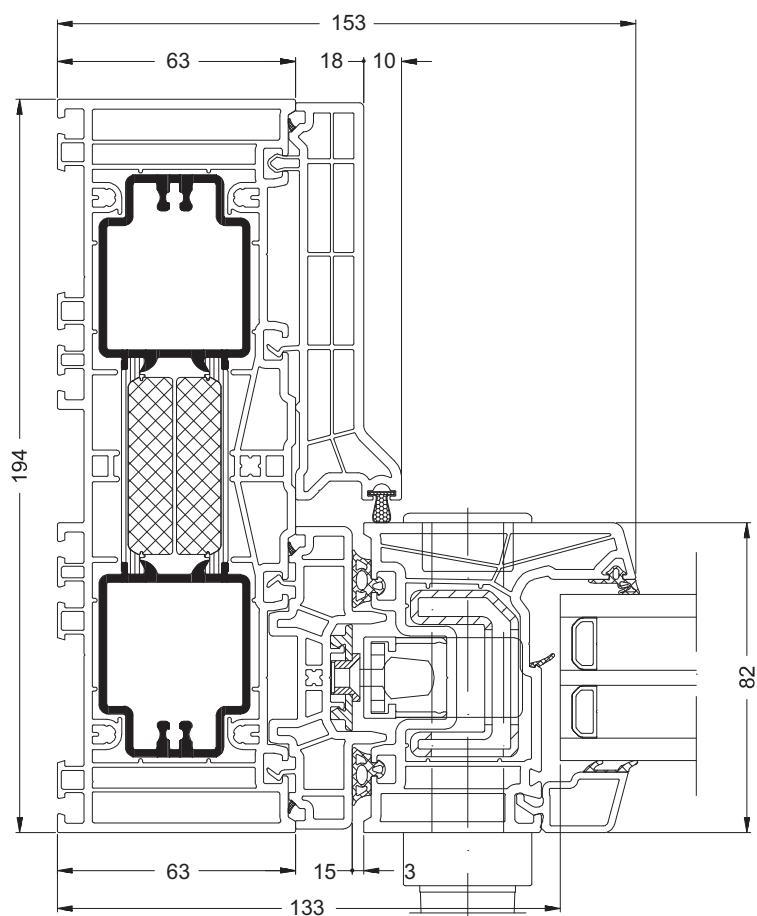
LIVINGSIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740



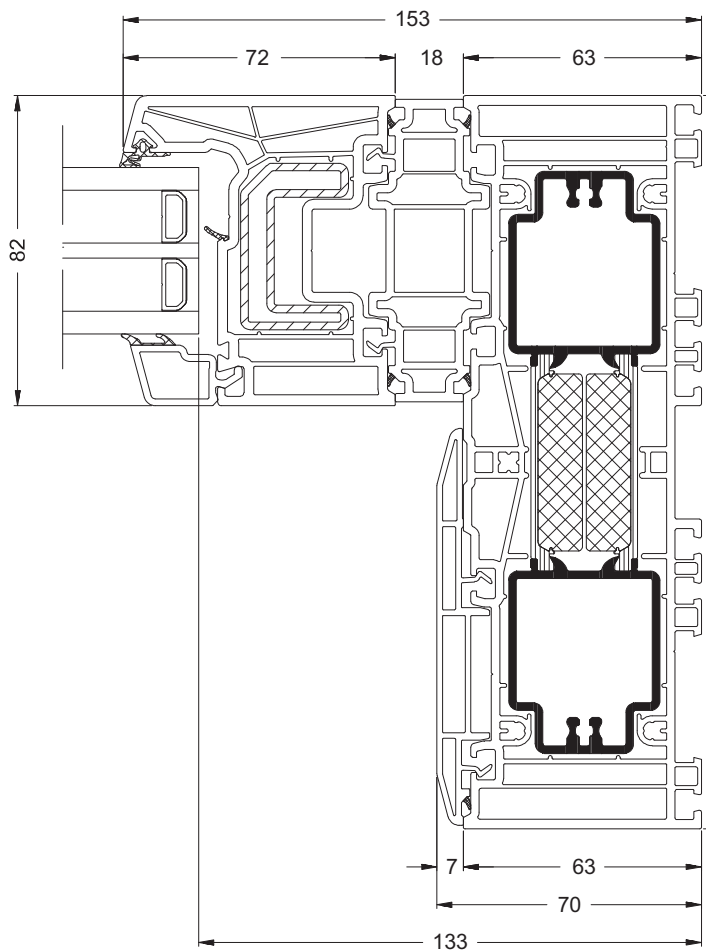
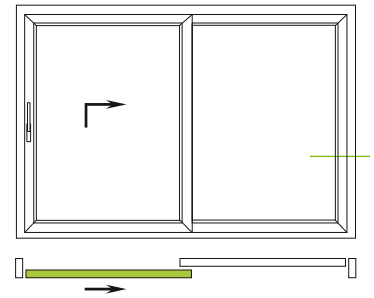
LIVINGSIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740



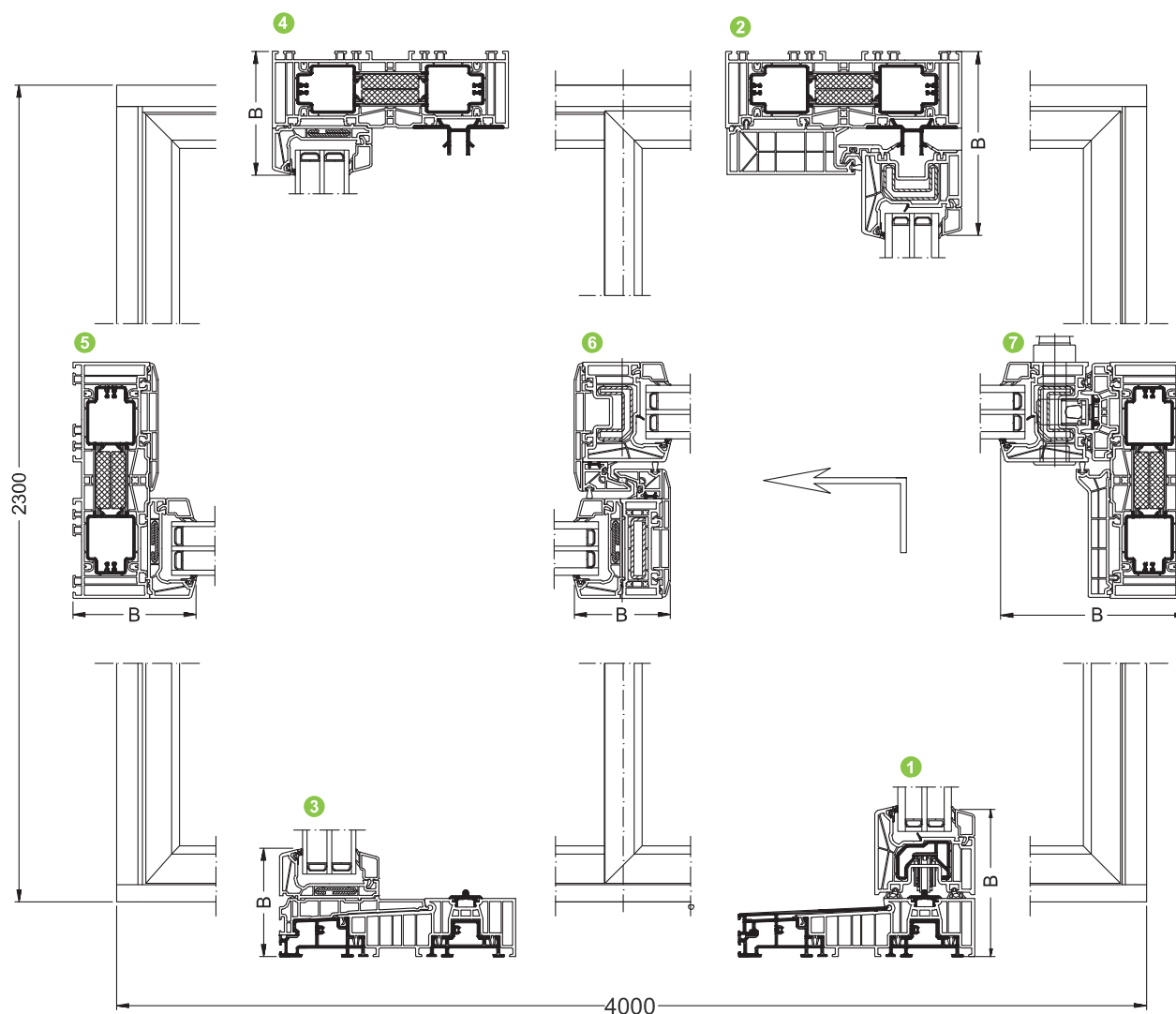
LIVINGSIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740



LIVINGSIDE - VALUES OF THE U FACTOR

VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726

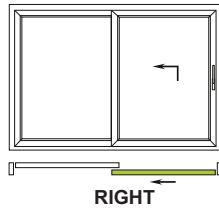
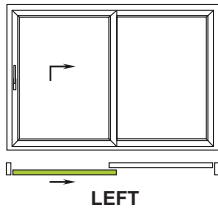


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

Section detail	Face width (B) in mm	U _f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
①	123	1,5	1,4	1,4
②	153	1,3	1,3	1,3
③	88	1,5	1,5	1,4
④	101	1,4	1,4	1,3
⑤	101	1,2	1,1	1,1
⑥	79	2,1	1,9	1,8
⑦	153	1,1	1,1	1,0
Total		10,1	9,7	9,3
Average value		1,44	1,39	1,33

LIVINGSIDE - DOOR TYPES

VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726

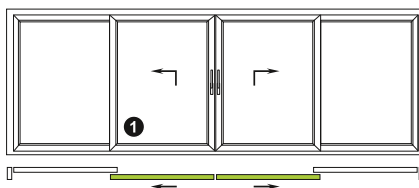


Type 01

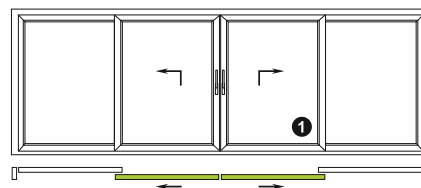
MAXIMUM SIZE W X H:

4500 x 2300 mm
6500 x 2582 mm

Laminated
White



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

Type 06

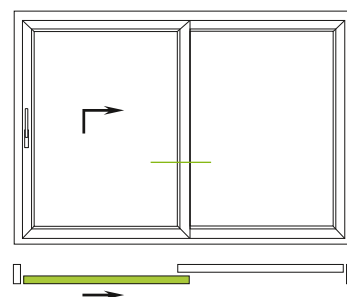
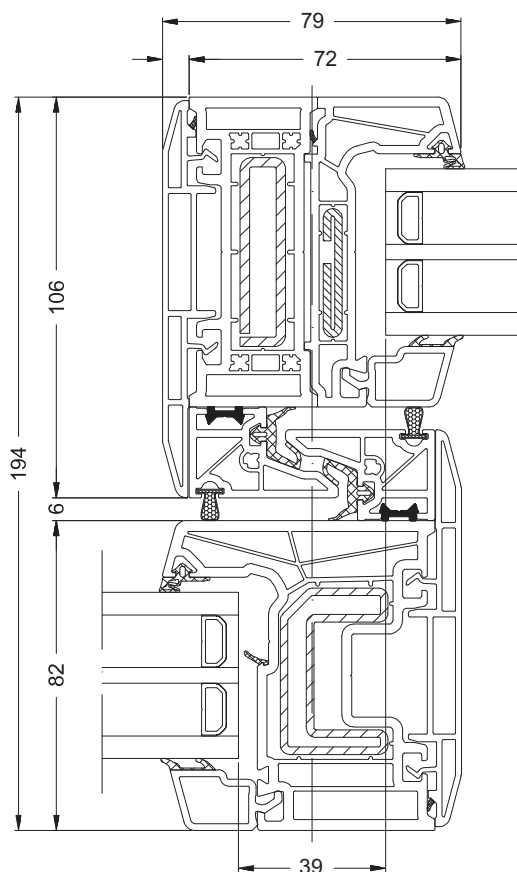
MAXIMUM SIZE W X H:

5500 x 2150 mm
6500 x 2300 mm

Laminated
White

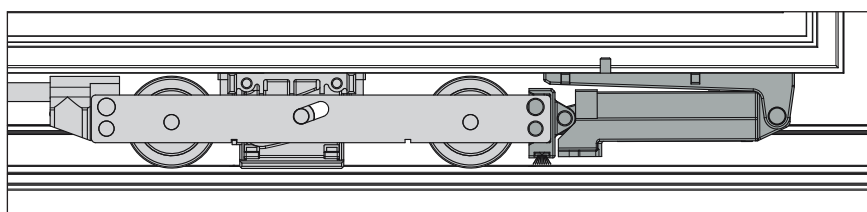
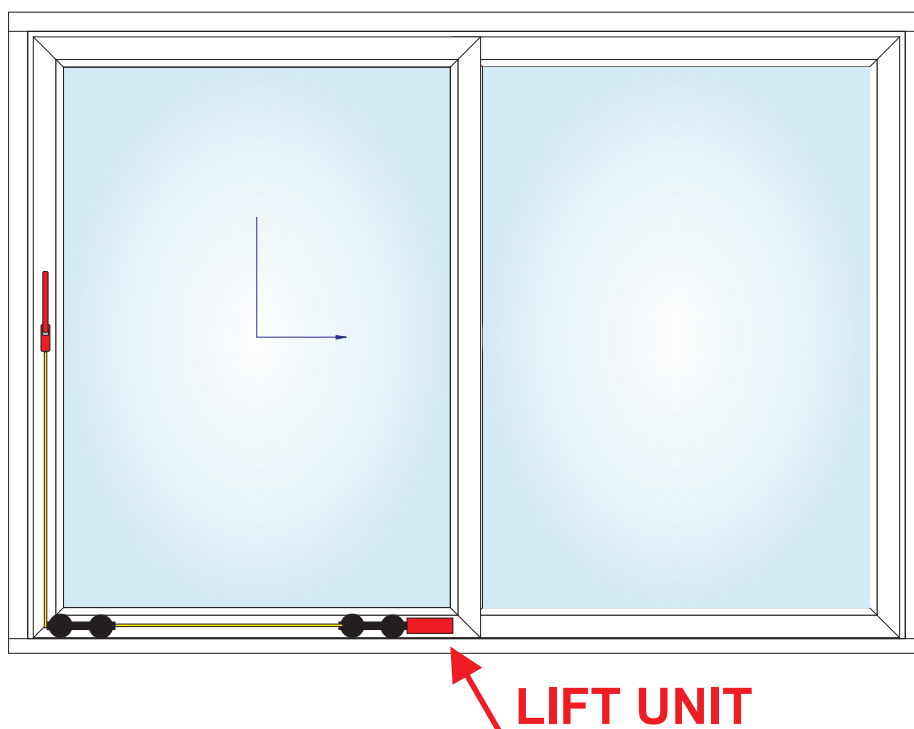
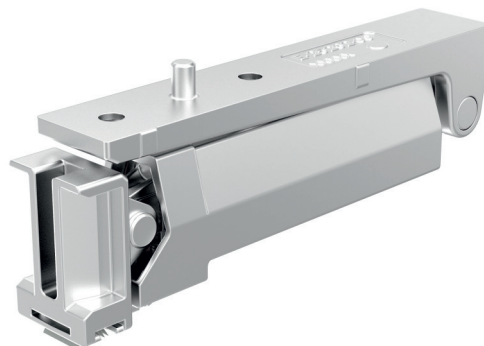
LIVINGSIDE - CROSS SECTIONS

VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726



LIVINGSIDE - HS LIFT UNIT

HS LiftUnit - a mechanism used when the sash weight exceeds 150 kg. Thanks to it, opening large patio glazing requires much less force to raise the sash. It reduces the lifting force of the sash by up to 50%, depending on its weight. The sash rises almost without any effort from the opener.



LIVIGSLIDE - HANDLES



**INTERIOR HANDLE
STANDARD**



**INTERIOR HANDLE
WITH HALF CYLINDER**



**DOUBLE HANDLE PZ
WITH CYLINDER**



COLOR:
BROWN
SILVER
WHITE



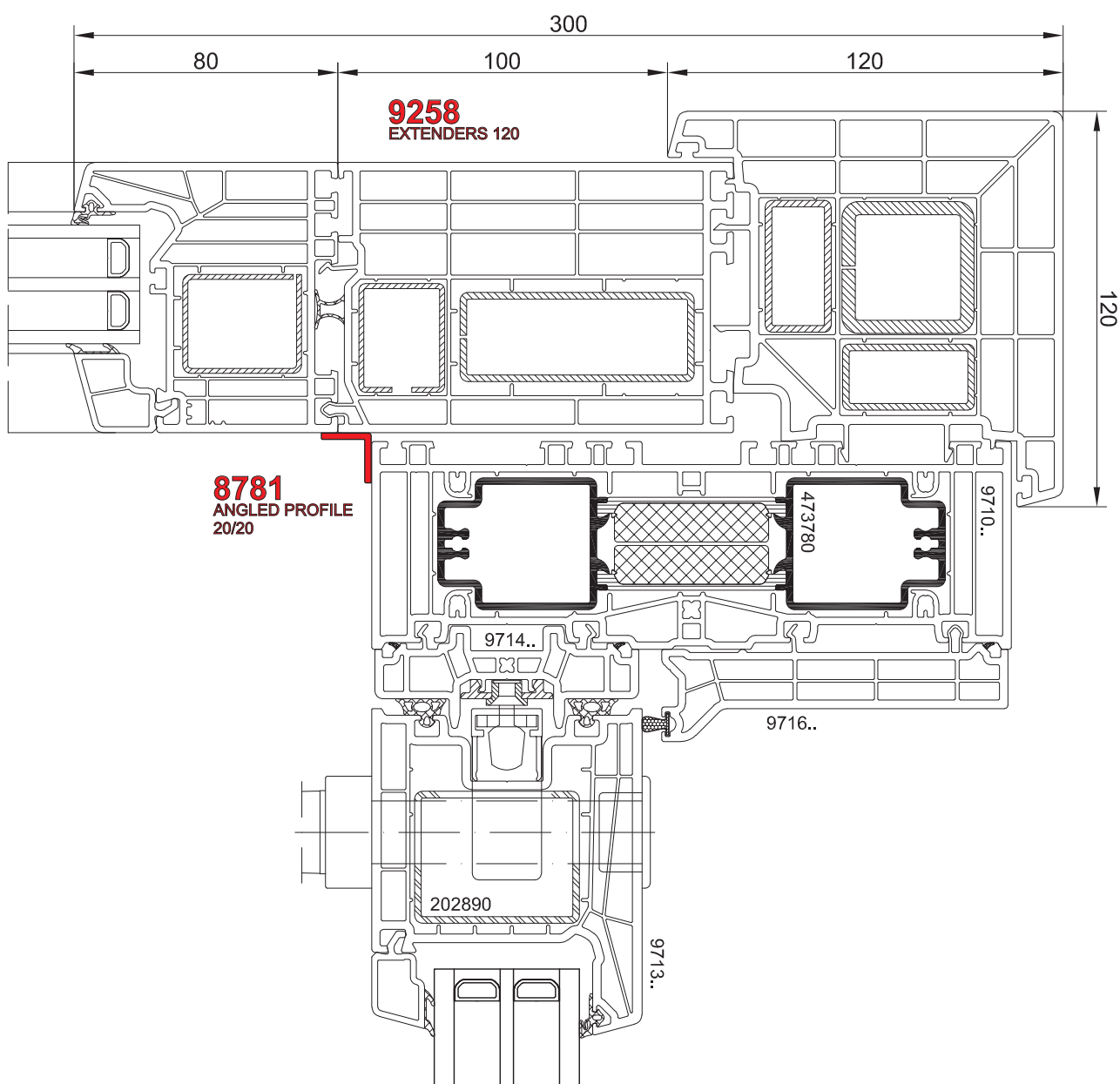
**INTERIOR HANDLE
STANDARD**



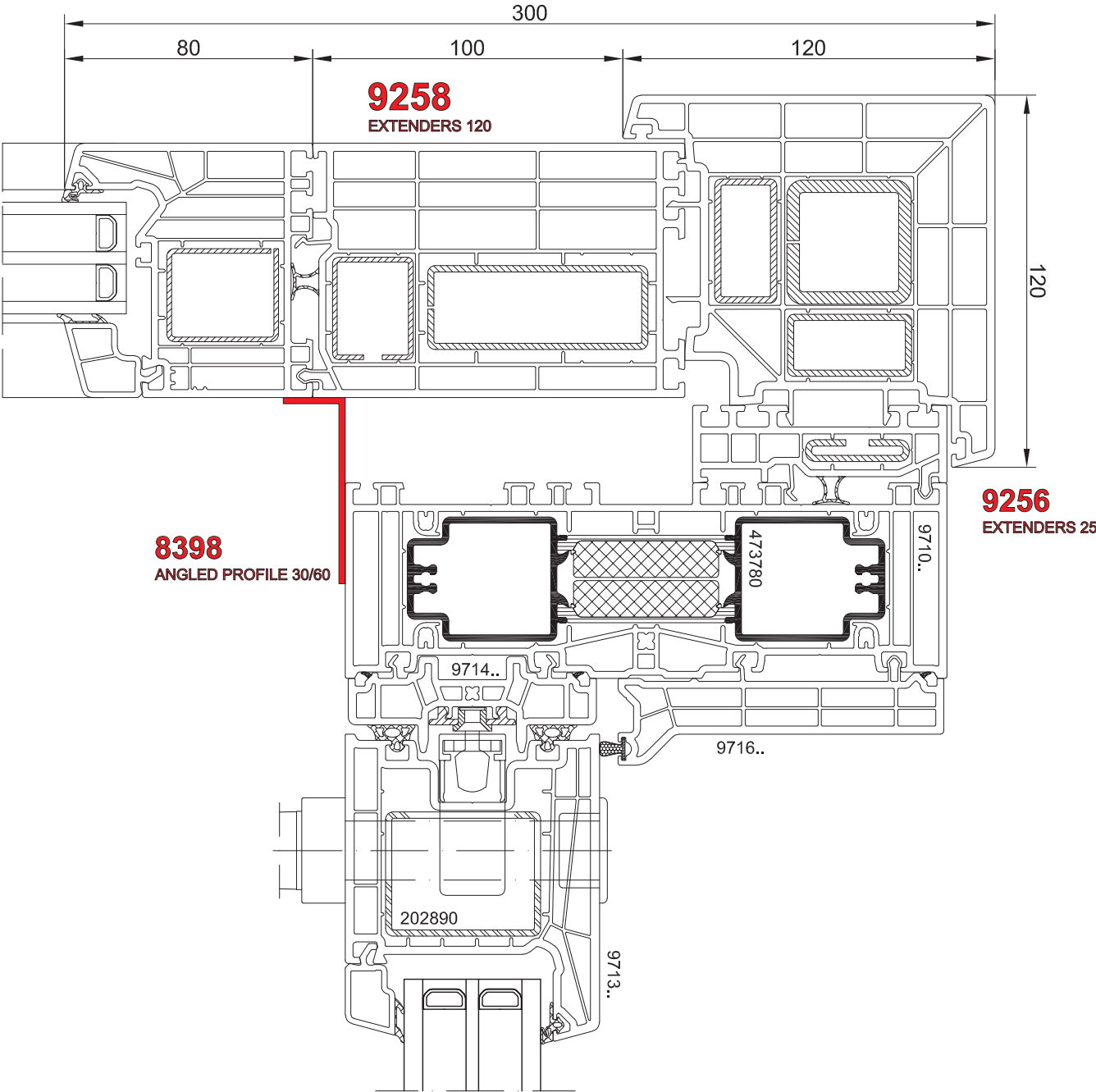
COLOR:
ANTHRACITE
ANODE F6 - INOX brushed
ANODE F9 - brushed
ANODE F9 - sandblasted



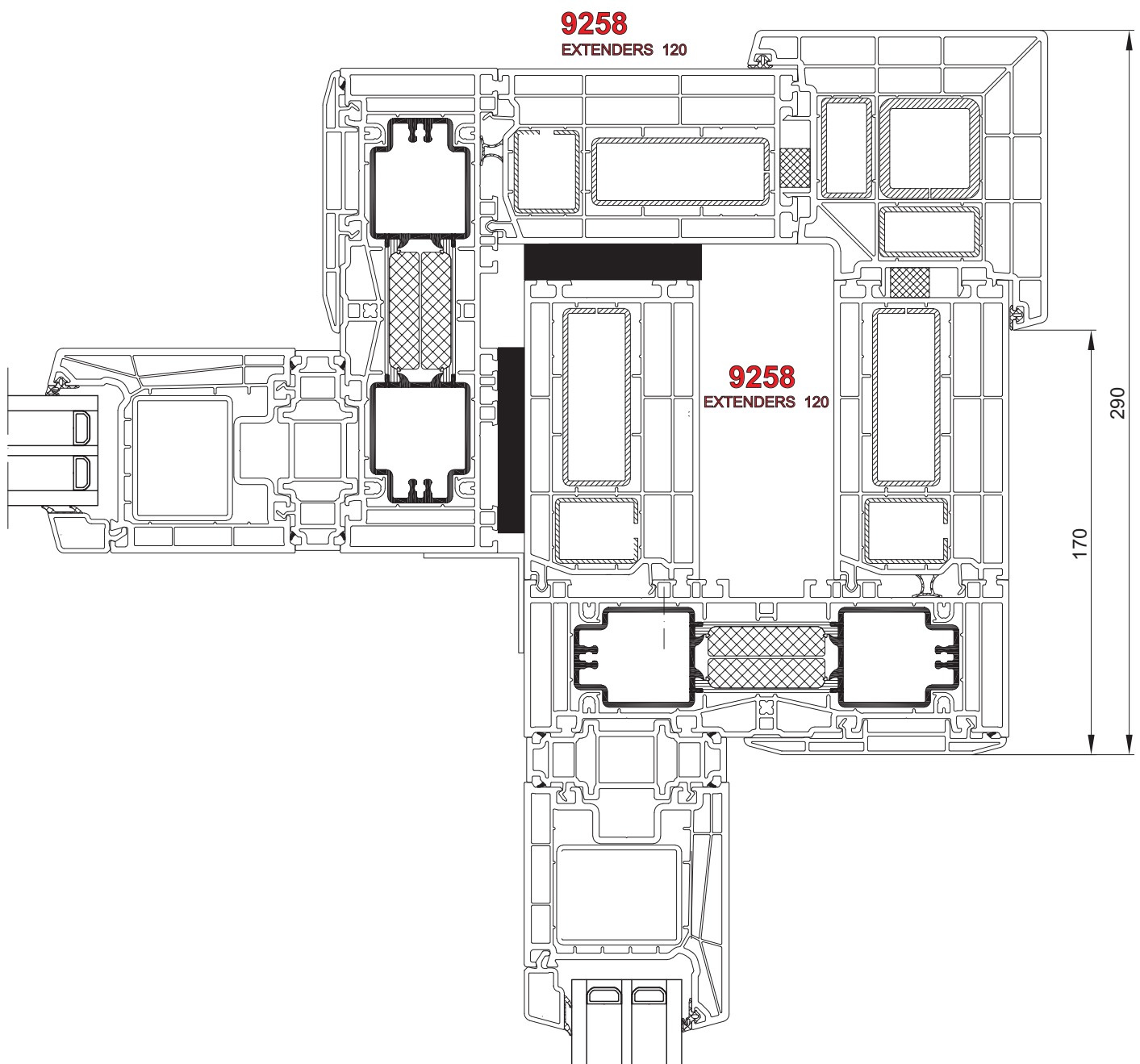
CONNECTION LIVINGSLIDE + LIVING FIX



CONNECTION LIVINGSLIDE + LIVING OPENING WINDOWS, PSK



CONNECTION LIVINGSLIDE + LIVINGSLIDE



PADS NOT INCLUDED
IN THE QUOTE

FRAMES CONNECTION LIVINGSLIDE + LIVING

WinPro > LS_LIVING

COVER PROFIL 105/7

9718



STRIP FRAME CONNECTOR

9344



GASKET - BLACK

22492700



GASKET - GRAY

22492800



GASKET - BLACK

22451700

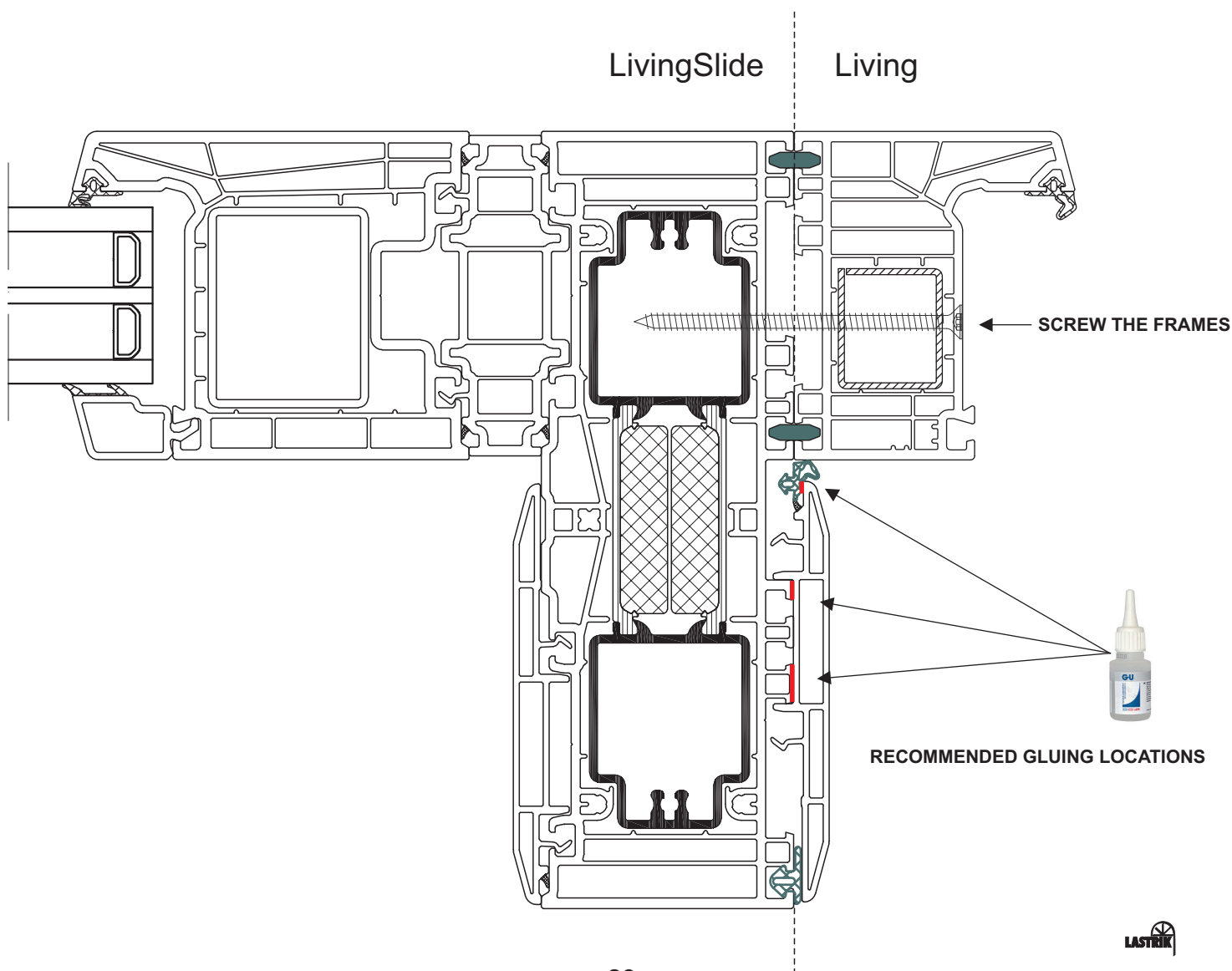


SECOND GLUE - GU

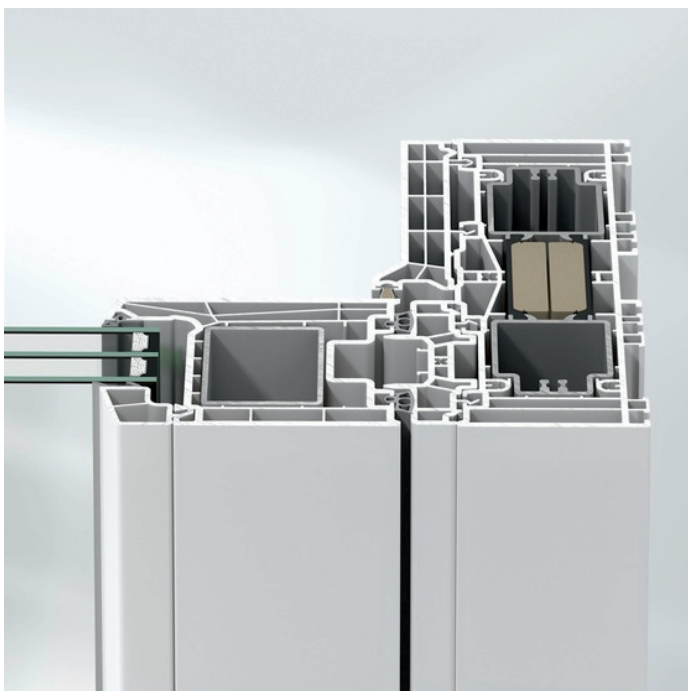
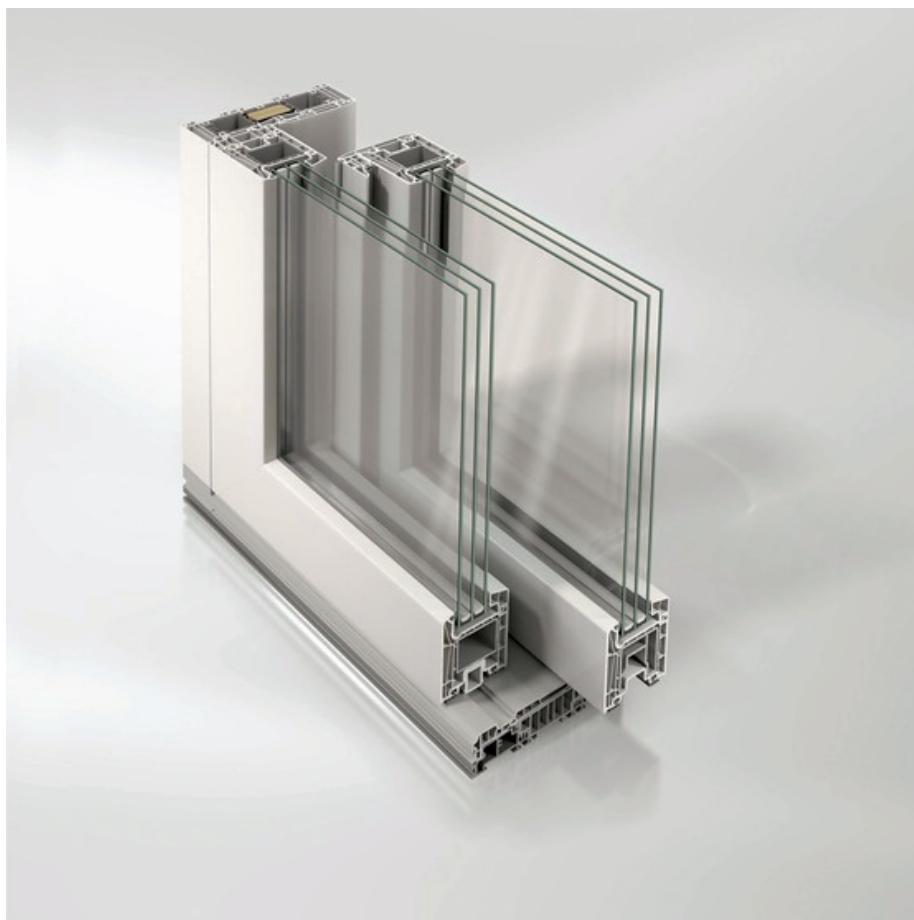
H-00991-00-0-0

LivingSlide

Living

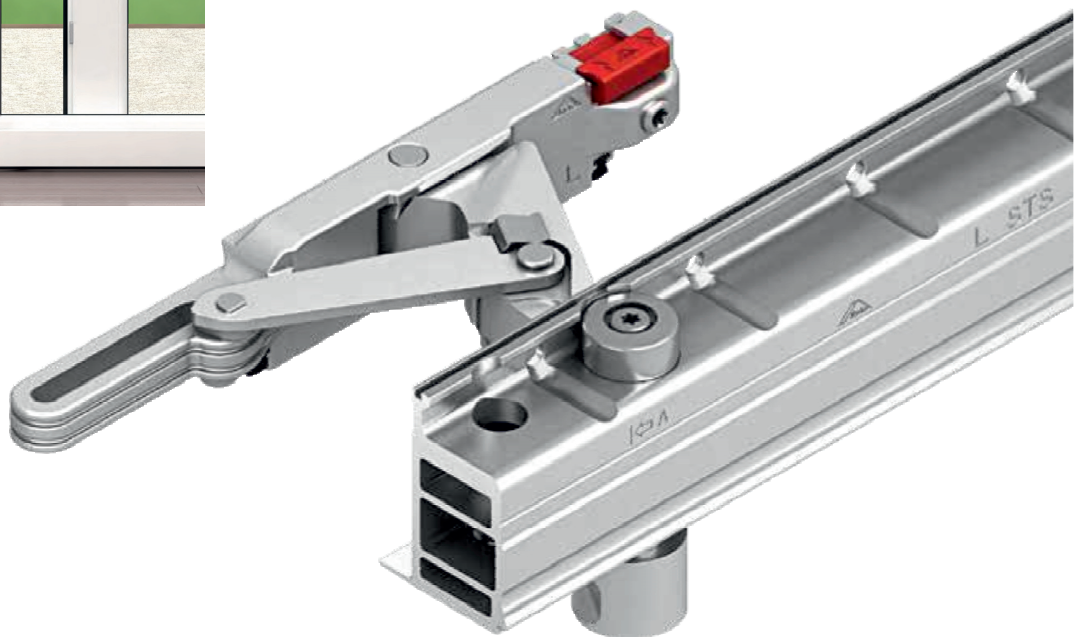


LIVINGSIDE - PHOTOS





Roto Patio Alversa



Roto Patio Alversa | KS

Tilt & Slide System
with ventilation in tilt position



Roto Patio Alversa| PS Air Com

Opening & Sliding System
with Comfort ventilation in tilt position



	Max. sash weight 100 kg/ 160 kg	Max. sash weight 160 kg/ 200 kg
Trolleys		
Without amortization	■	—
With amortization	—	■
Sliding shears		
Tilt and slide	■	—
Parallel - sliding, microventilation	—	—
Parallel - sliding, tilt in tilt position	—	■
Steering block at the top		
Fixed	—	—
Tilt	—	■
Middle closing at the bottom		
With latch	■	—
Without latch	—	—
Handle with rotation lock	—	■
Middle closing at the top		
Without latch	■	—
Comfort sheers	—	■
Bolts		
Standard	■	—
Strengthened	■	■

PATIO ALVERSA SYSTEMS

OPENING METHODS

Roto Patio Alversa | KS

Tilt & Slide System
with ventilation in tilt position



Tilt & Slide System (KS)

In Tilt & Slide system, when door handle is set to 90 degrees, sash can be set in tilt position. This allows to use ventilation in tilt position. After further turning handle to 180 degrees (handle set upwards), bolts on the bottom of sash are released and sash sets in an upward position. Sash is set parallel to construction and is ready to slide.

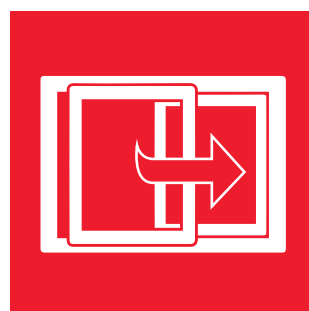


Ventilation in tilt position

This innovation combines advantages of parallel slide with well known and proven ventilation in tilt position. When handle is set to 180 degrees, sash is tilted.

Roto Patio Alversa | PS Air Com

Opening & Sliding System
with Comfort ventilation in tilt position



Opening & Sliding System (PS)

In parallel sliding system, when handle is set to 90 degrees, it makes sash detach and ready to slide. When handle is set to 180 degrees (upwards), door is set in vent position. Order of actions is identical, as in regular tilt & turn windows, therefore is intuitive for user.



Comfort ventilation in tilt position

In case of ventilation in tilt position „Comfort“, handle movement sets sash automatically in tilt position and closes it again. It is a very comfortable solution, especially in cases of heavy sashes.

Roto Patio Alversa (KS)




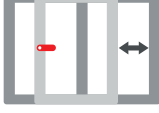




WARNING! WARNING! Possibility of unintentional shutting!
Sash in sliding position, can shut itself, and opening it from outside will not be possible.

- » Secure sash in tilt position to prevent unintentional shutting,
- » Ensure to have another entry,

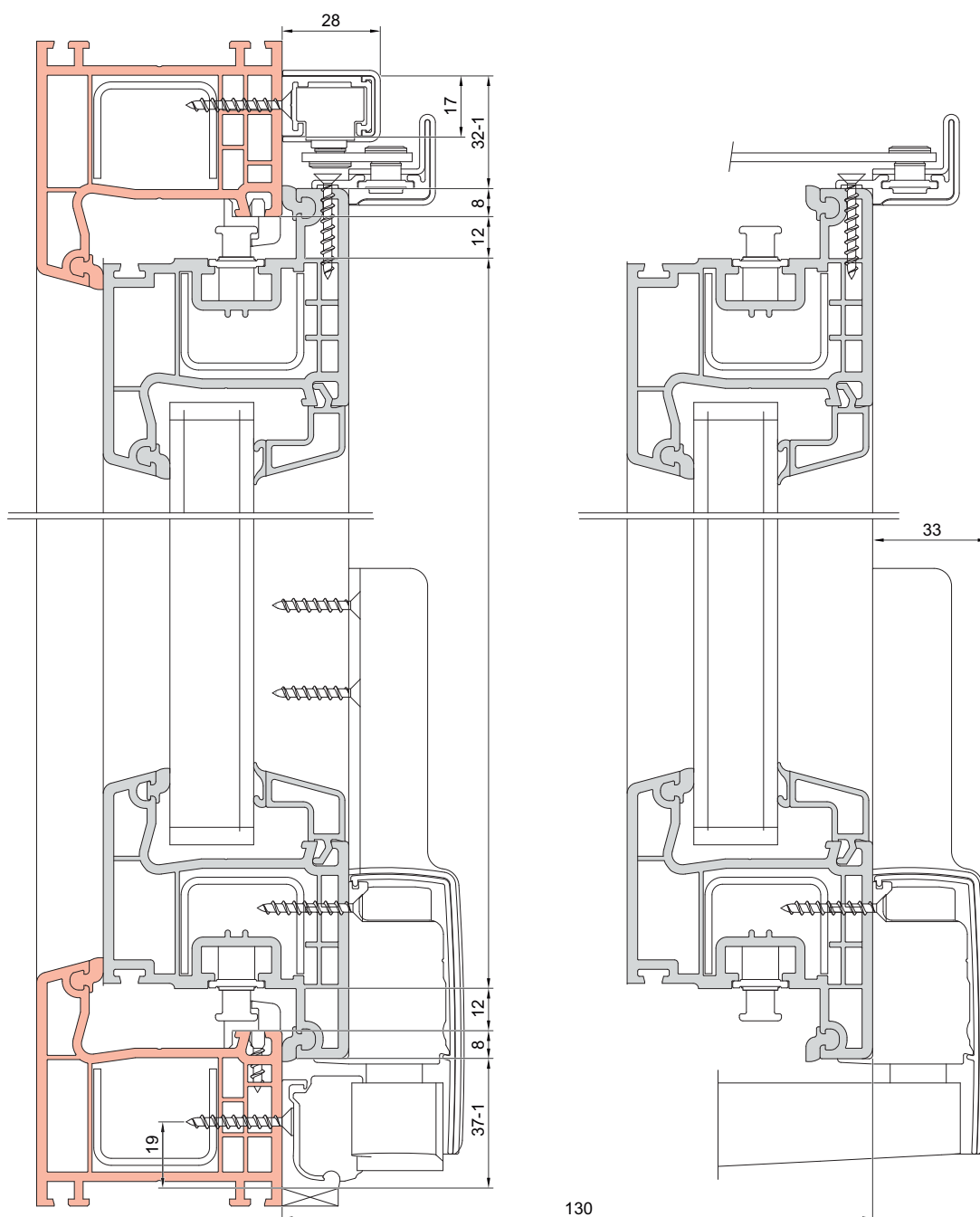
Handle position	Sash position	Signification
		Closed
		Tilt
		Open
		Sliding
		Blocked
		Closed

Roto Patio Alversa / PS Air Com

Handle position	Sash position	Signification
		Closed
		Sliding
		
		Tilt in Comfort position

PATIO ALVERSA SYSTEMS

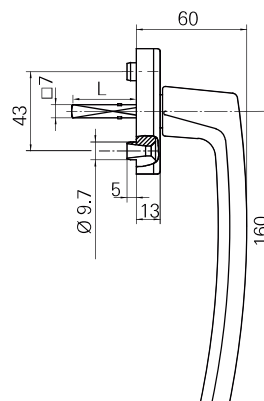
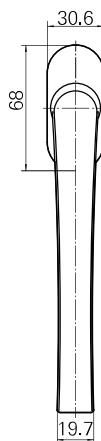
VERTICAL SECTION (KS & PS)



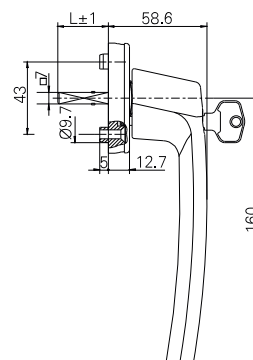
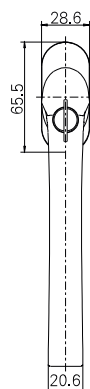
PATIO ALVERSA SYSTEM KS

HANDLE TYPES

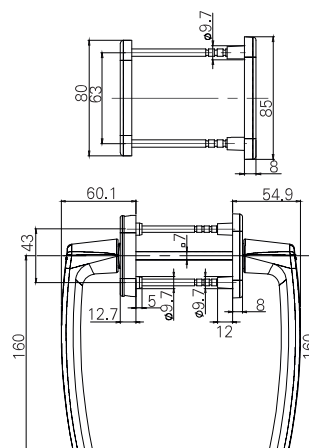
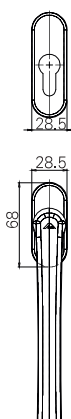
STANDARD INTERIOR LONG



INTERIOR LONG WITH LOCK



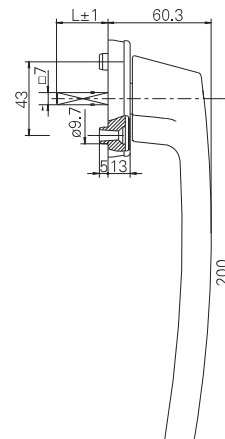
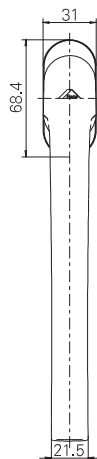
DOUBLE SIDED LONG + PATENT CYLINDER



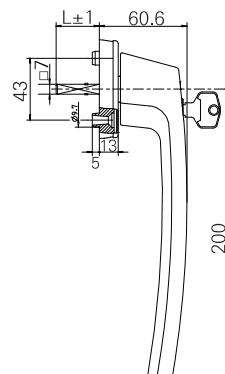
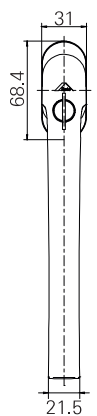
PATIO ALVERSA SYSTEM PS

HANDLE TYPES

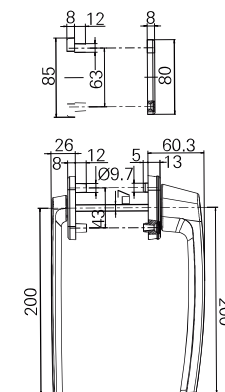
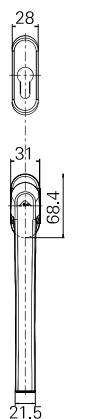
STANDARD INTERIOR LONG



INTERIOR LONG WITH LOCK

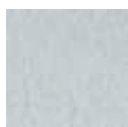


DOUBLE SIDED LONG + PATENT CYLINDER



Colour number	Colour	RAL number
R01.1	Neutral silver	
R01.2	New silver	-
R01.3	Titanium	-
R01.4	Chrom	-
R01.5	Chrome	-
R03.1	Brass mat	-
R03.2	Brass gloss	-
R03.3	Golden	-
R03.4	Niro design	-
R04.1	Gray- brown	8019
R04.3	Olive- brown	-
R04.4	Russet	8022
R05.3	Medium brown	-
R05.4	Dark Brown	-
R05.5	Brown	-
R06.2M	Black mat	9005 mat
R06.2	Black	9005
R07.1	White	9010
R07.2	White	9016
R07.3	Cream	9001
SF	Special colour	-
Crude	To paint	-

Colour examples



R01.1



R01.2



R01.3



R03.1



R04.1



R04.4



R05.3



R05.5



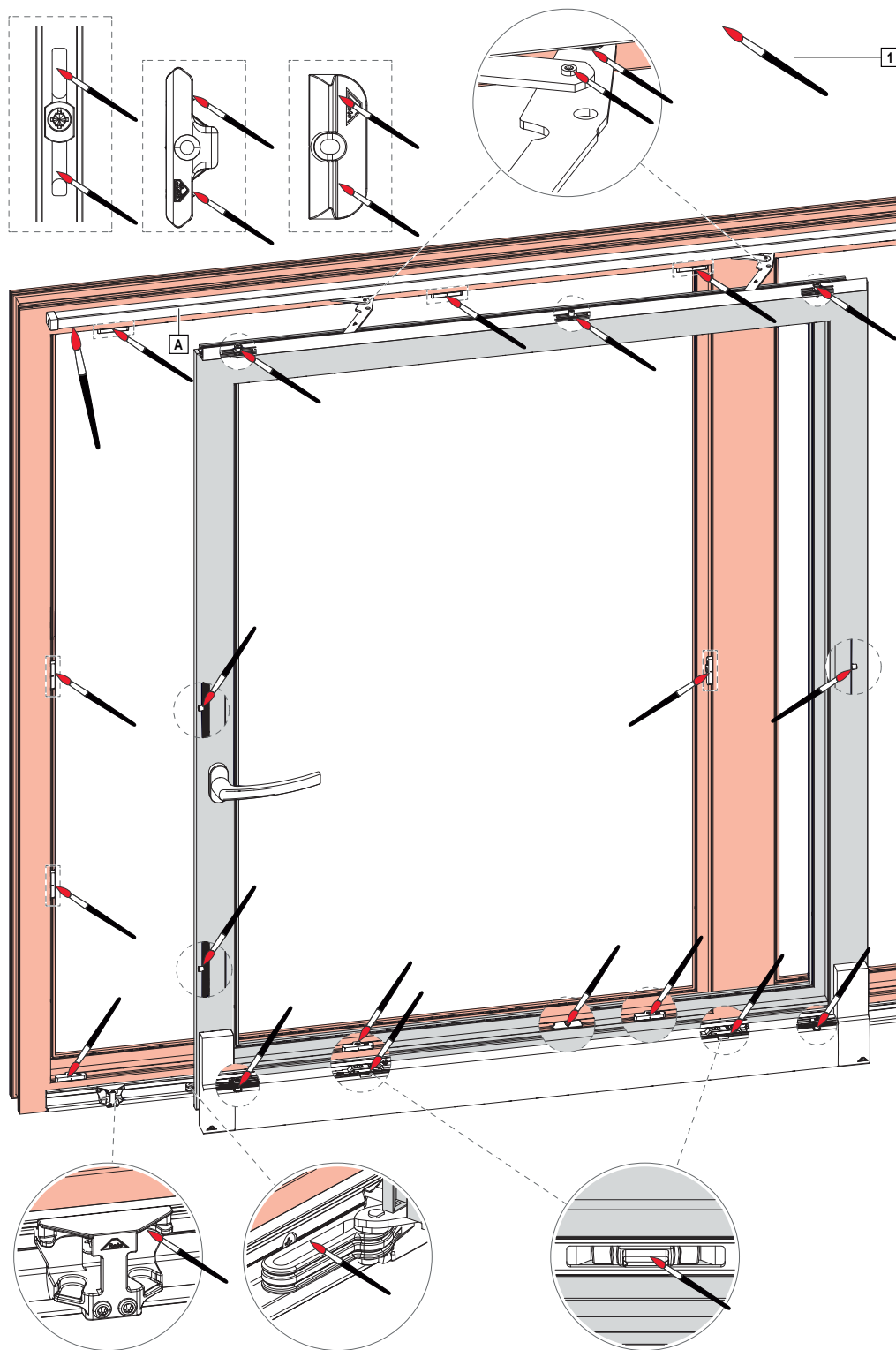
R06.2



R07.2

PATIO ALVERSA SYSTEM KS

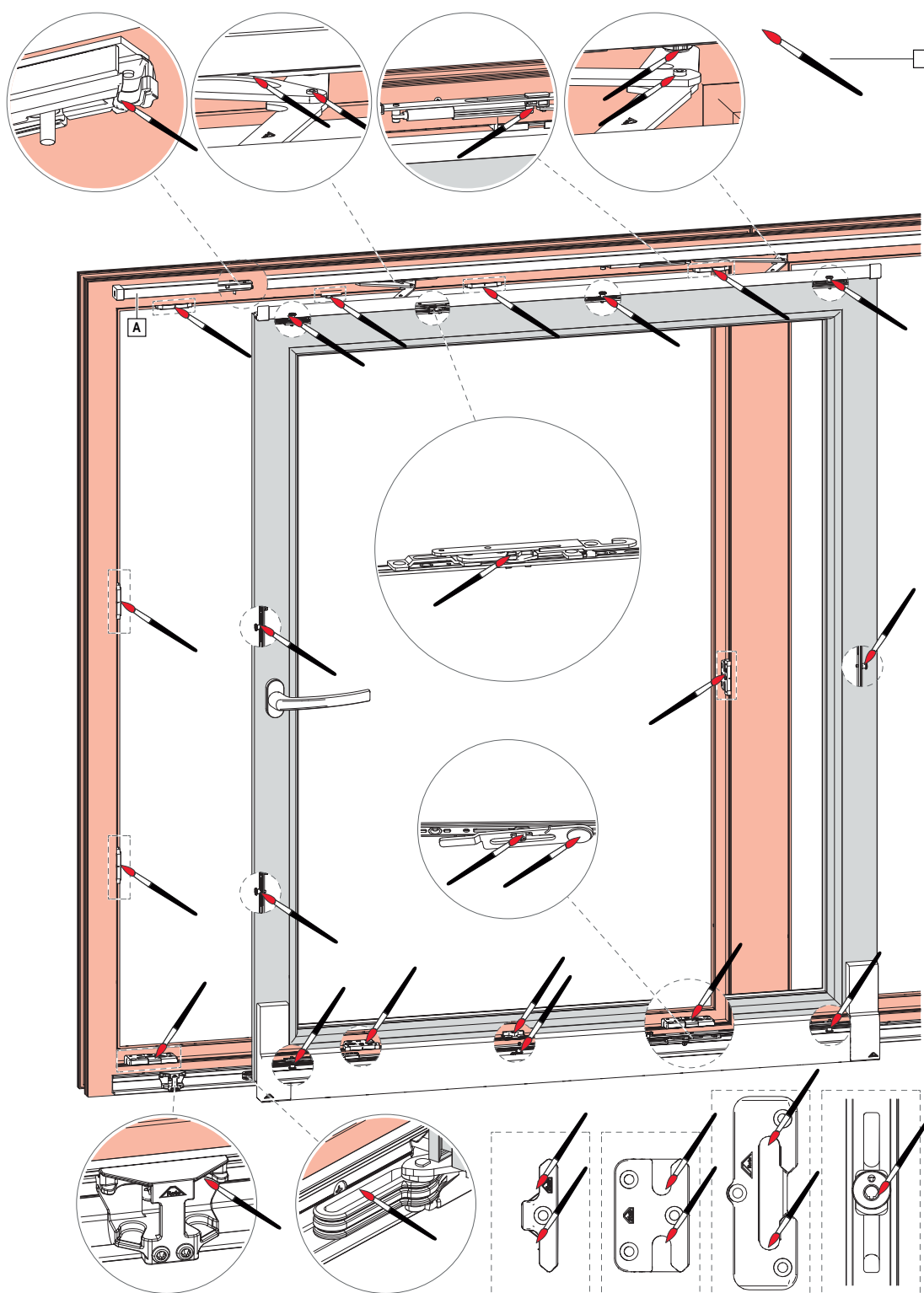
MAINTENANCE - LUBRICATION POINTS



1- LUBRICATING OIL

PATIO ALVERSA SYSTEM PS

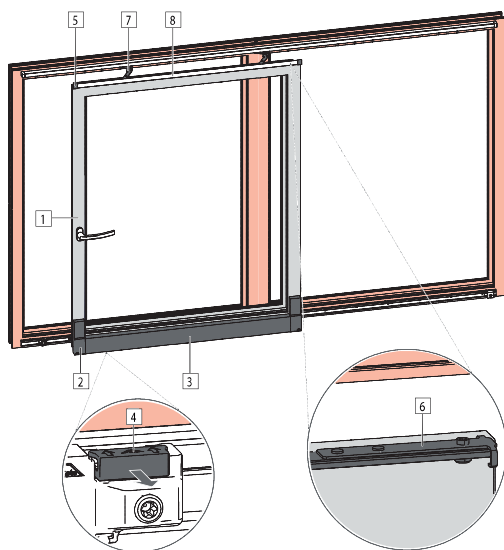
MAINTENANCE - LUBRICATION POINTS



1- LUBRICATING OIL

PATIO ALVERSA SYSTEMS

REMOVING THE WINDOW LEAF



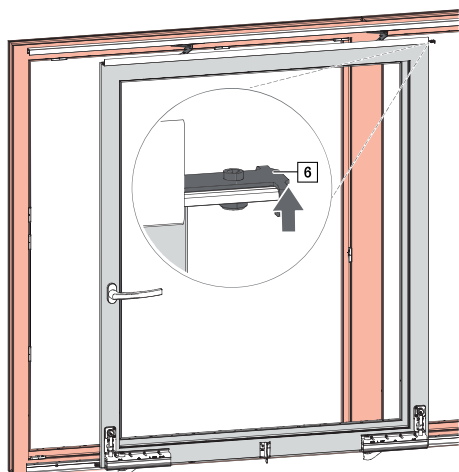
Removing Window Leaf

1. Set sash (1) in sliding position.
2. Remove covers.

- » Trolley covers (2) – left and right,
- » Trolley cover (3),
- a. Remove trolley covers frontwards.
- b. Grab trolley cover from the bottom und pull diagonally upwards.

Use single hard pull with both hands

3. Push trolley protection frontward.
4. Remove sheer rail covers.



5. Before sliding out gliding sheers (7), secure sash against falling out.
6. Push gliding sheers spring upwards and detach connecting rod of gliding sheers and sheer rails.
7. Lift slightly bent sash.
8. Place sash in front of casing
- a. Put only on clean surface.
- b. Apply support only in the middle of sash, so that trolleys can hang freely.

Dismanteling fittings

1. Loosen up all screws.
2. Remove fittings.
3. Reprocess fittings in accordance to local regulations.

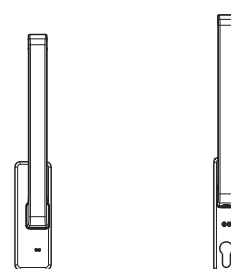
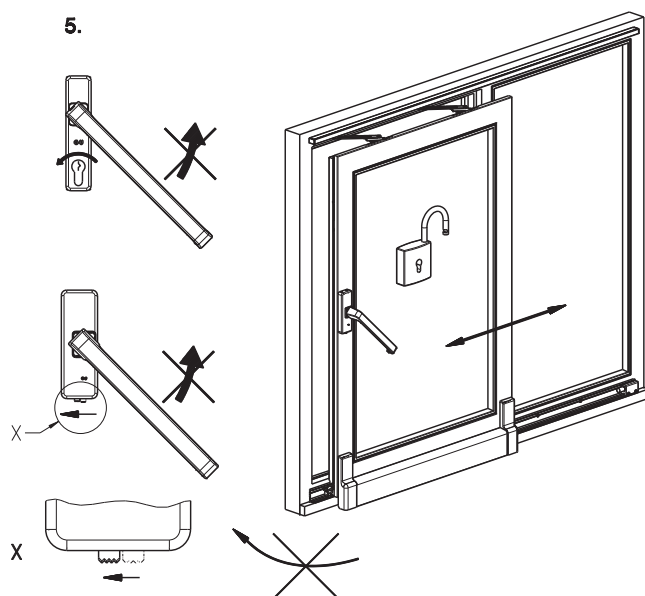
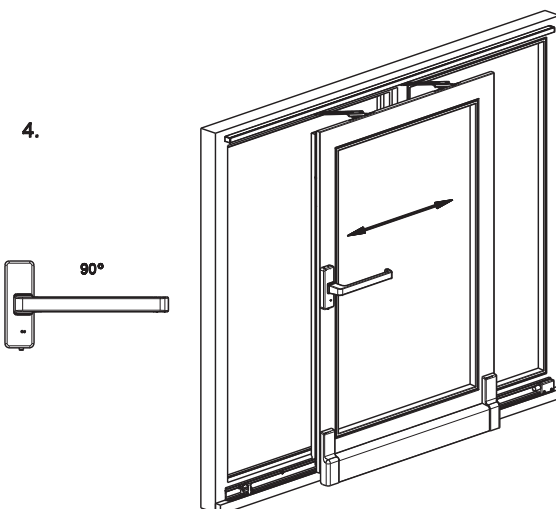
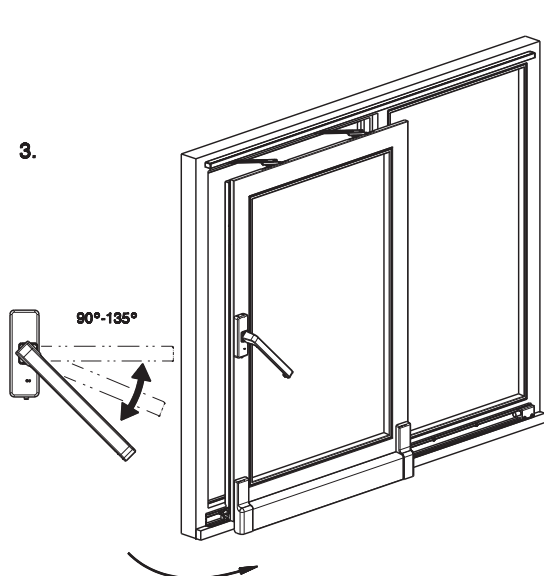
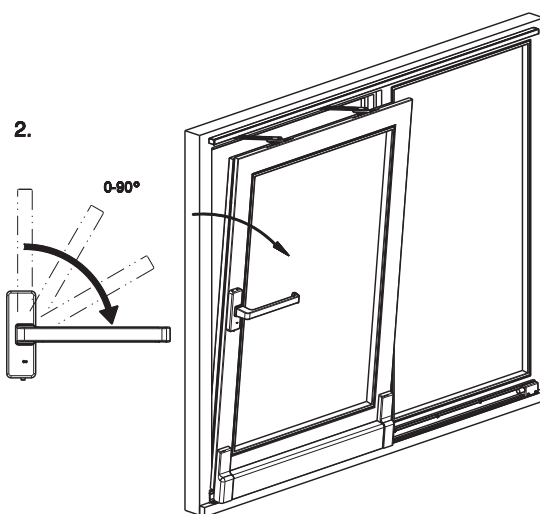
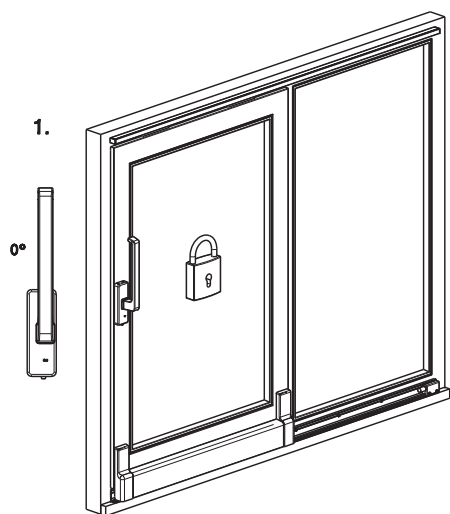
WARNING!!!

Risk of physical and material damage due to heavy weight!

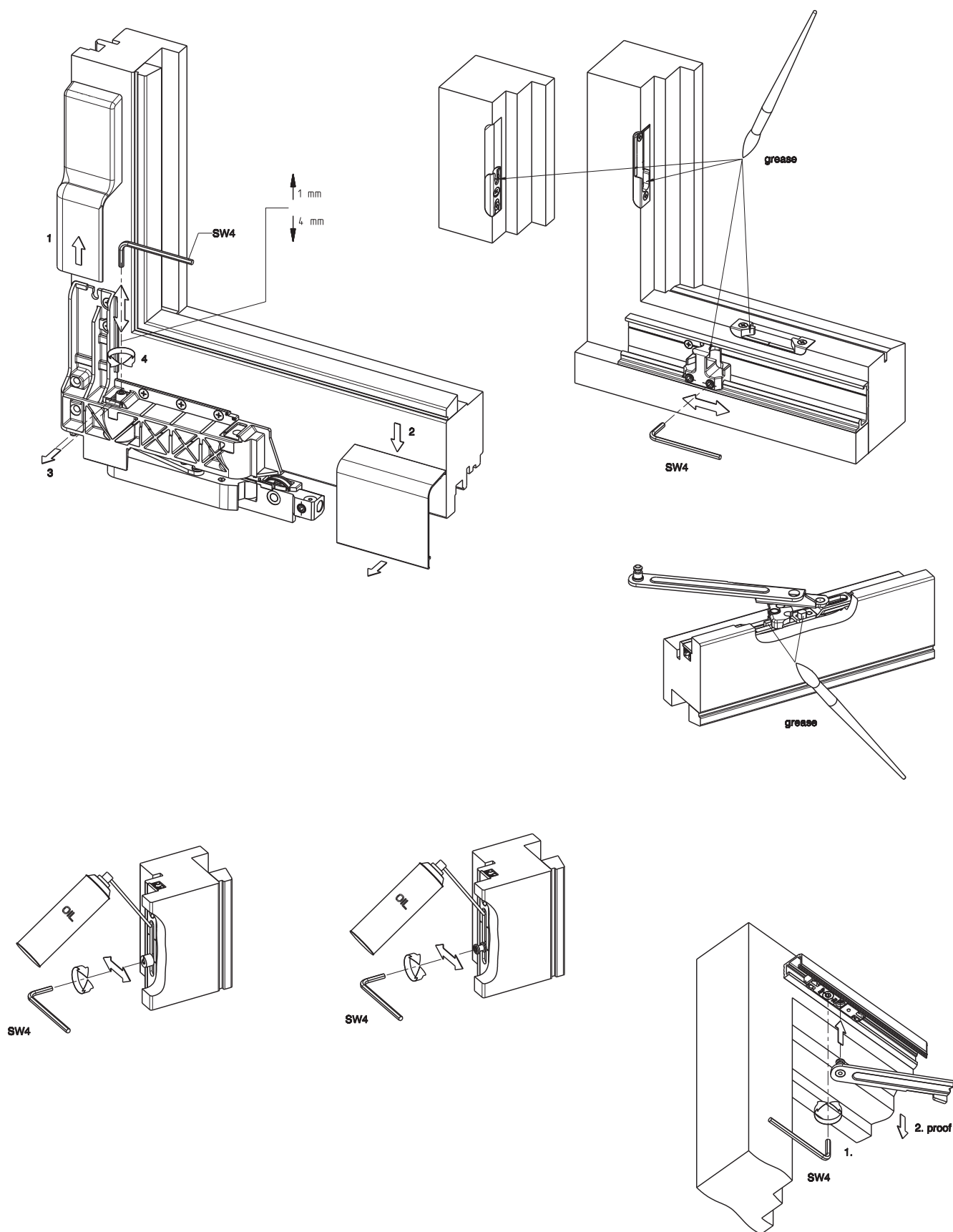
Uncontrolled lifting and carrying of heavy weight might lead to harm and causing material damage.

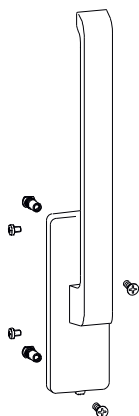
- » Transport and dismantling must be handled by at least two people,
- » Do not put sashes on trolleys,
- » Use additional means of transportation,



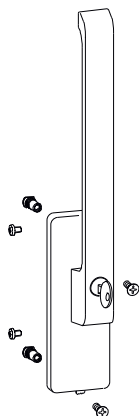


PATIO PSK MZ SYSTEM MAINTENANCE - LUBRICATION POINTS

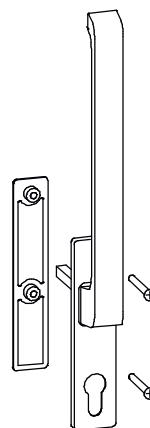




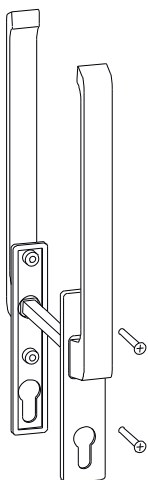
STANDARD INTERIOR LONG



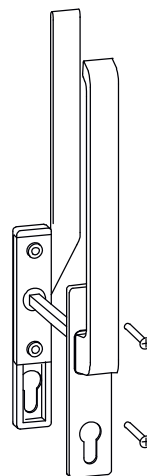
INTERIOR LONG WITH LOCK



**INTERIOR LONG WITH
HALF-CYLINDER**



**DOUBLE SIDED LONG PZ
WITH CYLINDER**



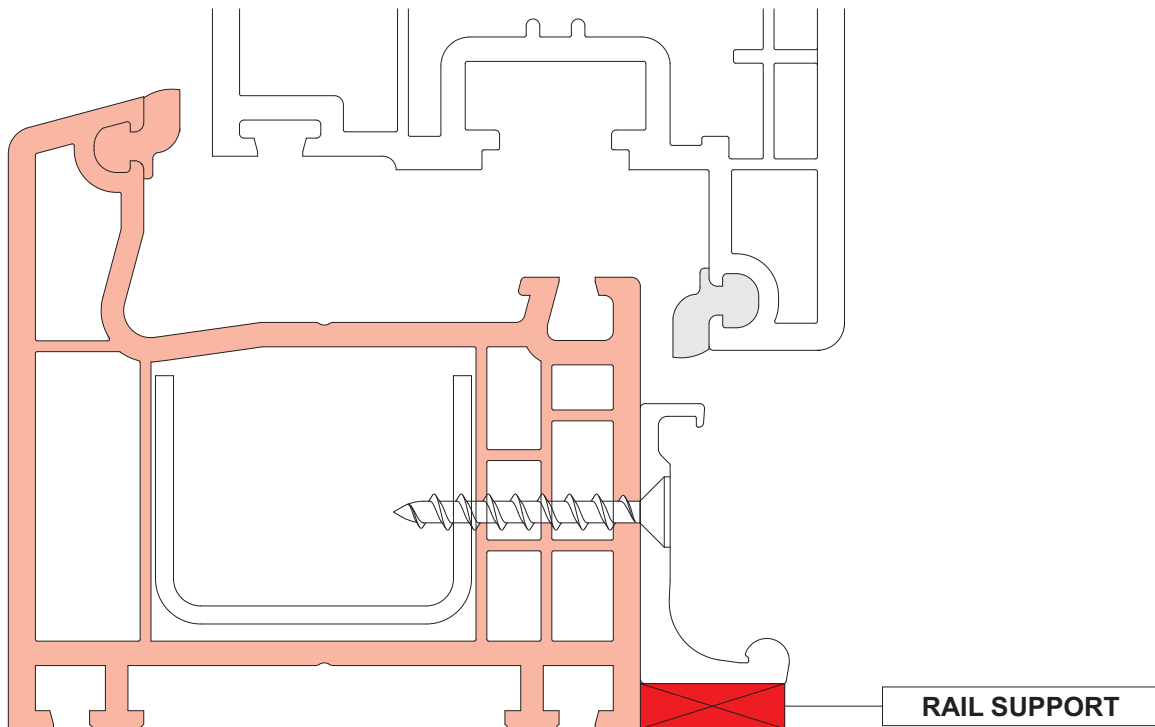
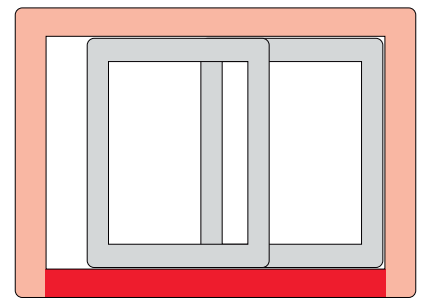
**DOUBLE SIDED LONG PZ
WITH CYLINDER
- outside for roller shutter**

INFORMATION REGARDING THE INSTALLATION OF ALVERSA / PSK

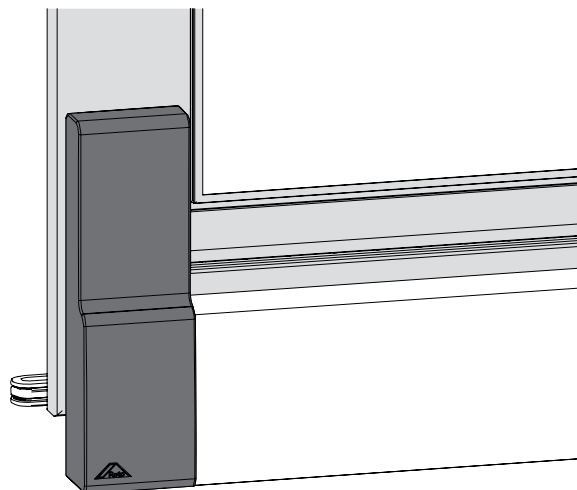


CAUTION - Danger of crushing and damage material due to insufficient strain relief!

Lack of support between the running rail and the floor can lead until the wings fall. The rail should be supported to relieve the entire length of the rail.



TROLLEY COVERS PSK



SET

		Nº
R01.1	Natural silver	R781811
R05.3	Medium brown	R781812
R05.4	Dark brown	R781813
R05.5	Brown	R781814
R06.2	Black	R781815
R07.2	White	R781816
R07.3	Creamy	R781817



LEFT



RIGHT



WHITE

9-38542-00-L-7

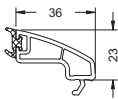
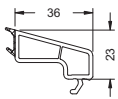
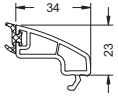
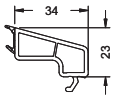
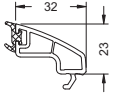
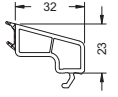
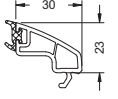
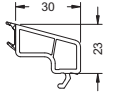
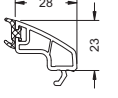
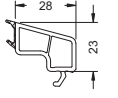
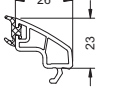
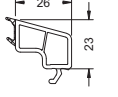
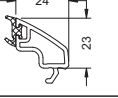
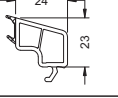
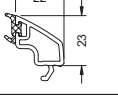
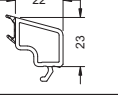
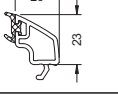
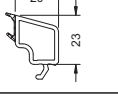
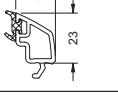
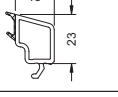
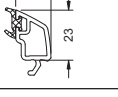
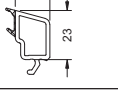
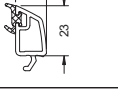
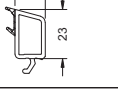
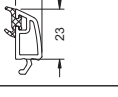
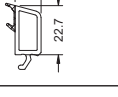
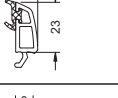
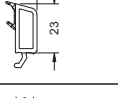
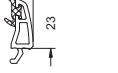
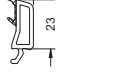
9-38542-00-R-7

SILVER

9-38542-00-L-1

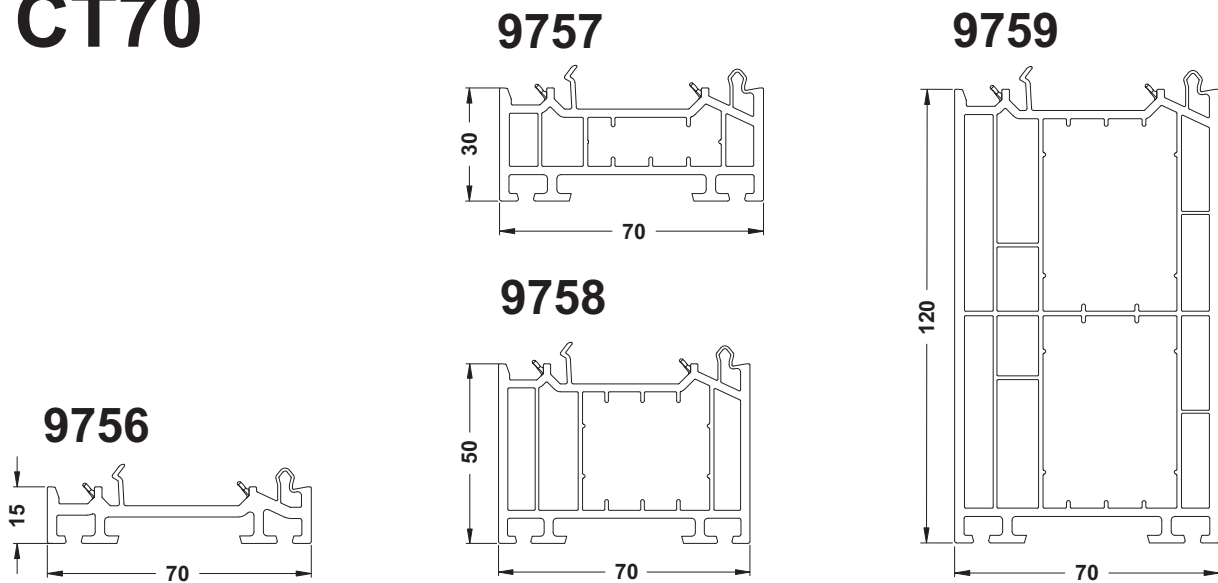
9-38542-00-R-1

GLAZING BEADS

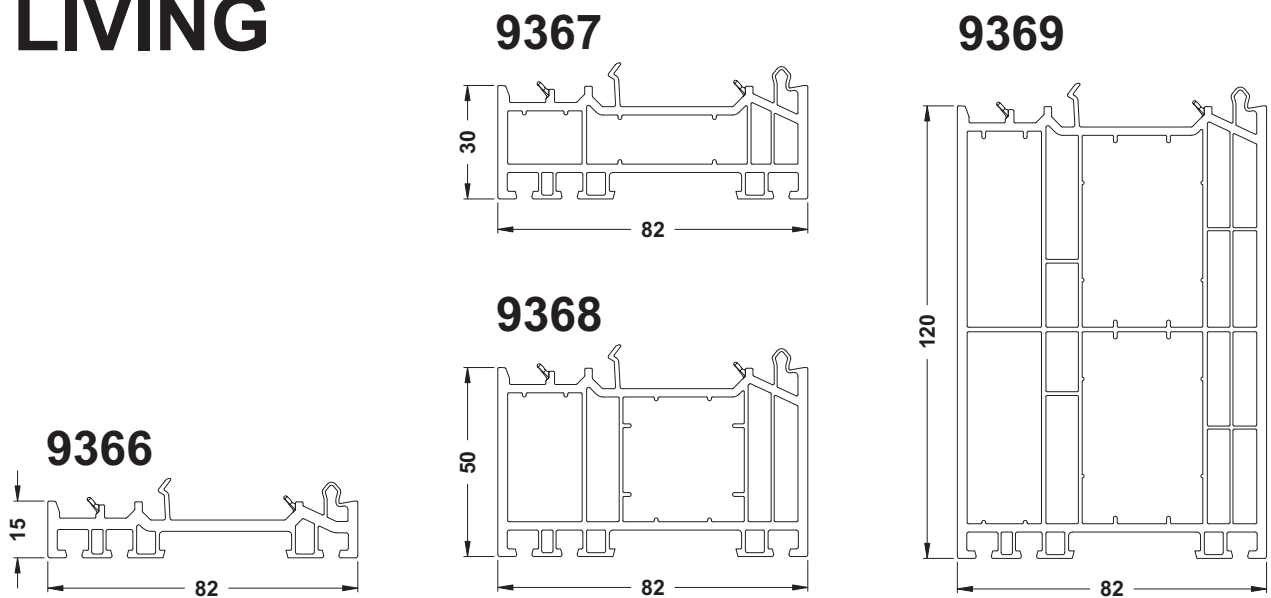
LIVING LIVINGSLIDE	CT70 S150	Illustration	
GLASS (mm)			
24		9685 	9665 
26		9686 	9666 
28		9687 	9667 
30		9688 	9668 
32		9689 	9669 
34		9690 	9670 
36	24	9691 	9671 
38	26	9692 	9672 
40	28	9693 	9673 
42	30	9694 	9674 
44	32	9695 	9675 
46	34	9696 	9676 
48	36	9697 	9677 
50	38	9698 	9678 
52	40	9699 	9679 

SUPPLEMENTARY PROFILES - EXTENDERS

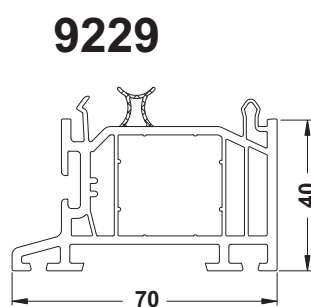
CT70



LIVING



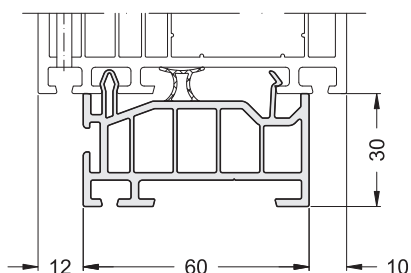
SUPPLEMENTARY PROFILES



SUPPLEMENTARY PROFILES

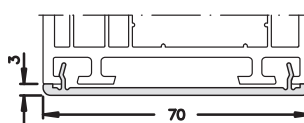
LIVING - WINDOW SILL ATTACHMENT BAR 5K - RECYCLED

9197



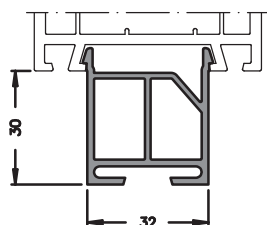
CT70 - PROTECTIVE COVER PROFILE

8823



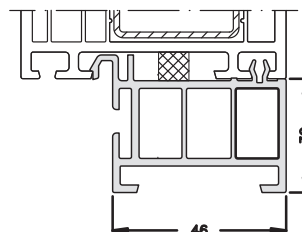
WINDOW SILL ATTACHMENT BAR
RECYCLED PVC

8674



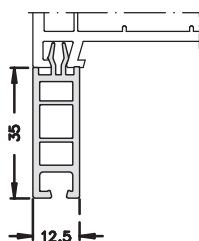
WINDOW SILL ATTACHMENT BAR

8299

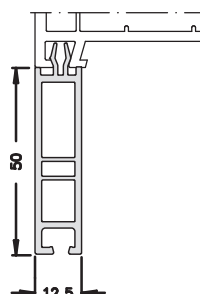


CONNECTORS

8759

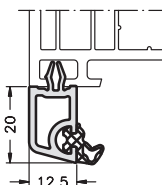


8769



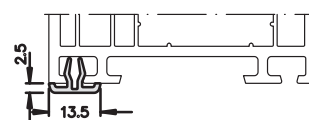
GASKET BAR

9051



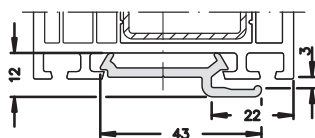
GROOVE COVER BAR

8008



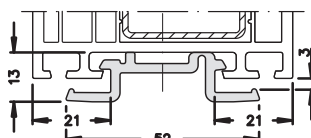
MOUNTING PROFILE

7612



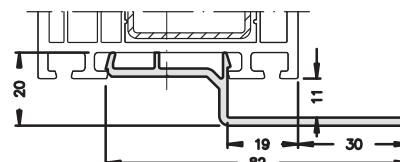
MOUNTING PROFILE

7734



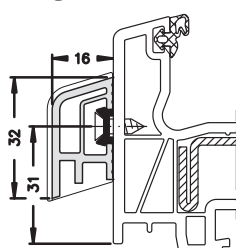
MOUNTING PROFILE

8480



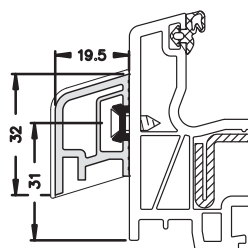
DRIP CAP

7547



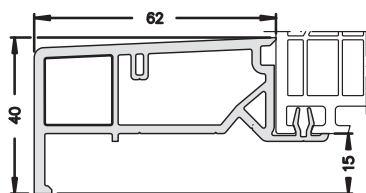
DRIP CAP

7494

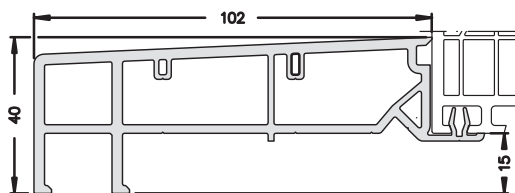


SUPPLEMENTARY PROFILES - WINDOW SILLS

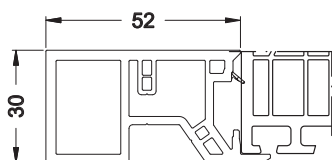
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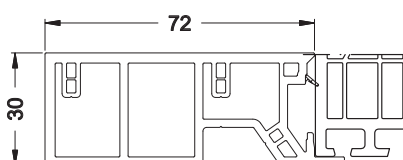
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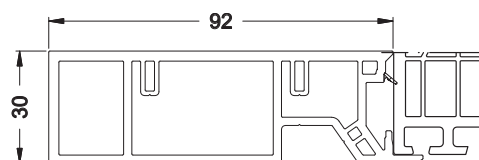
9642



9643

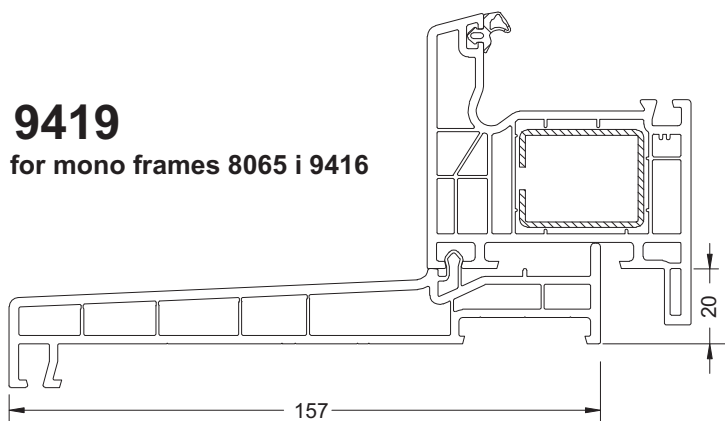


9644



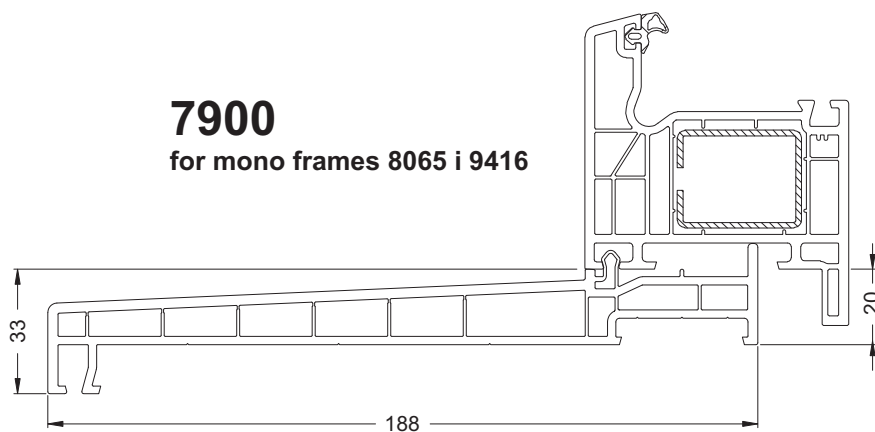
9419

for mono frames 8065 i 9416



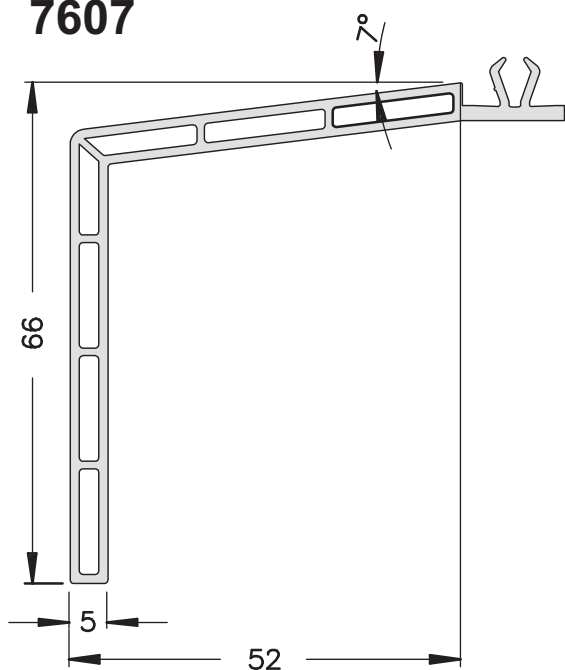
7900

for mono frames 8065 i 9416

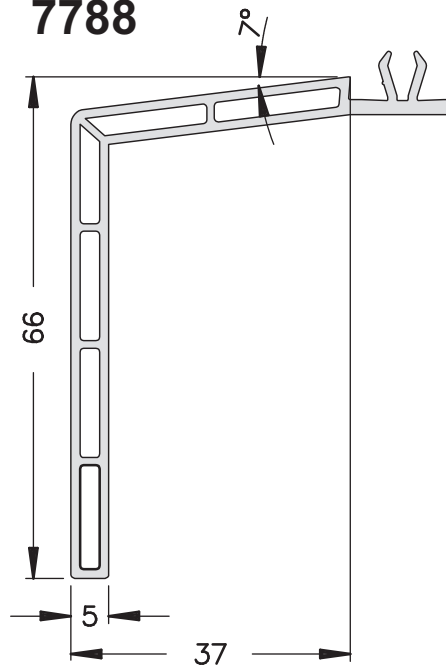


SUPPLEMENTARY PROFILES - WINDOW SILLS

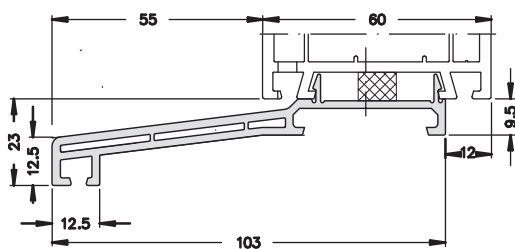
7607



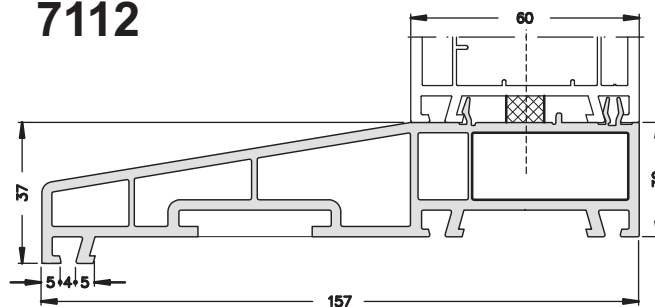
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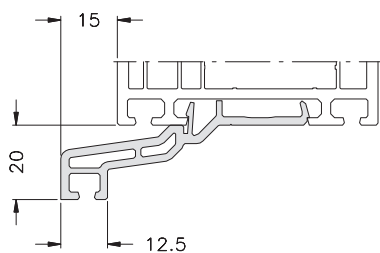
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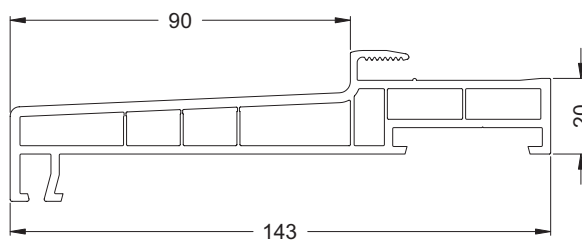
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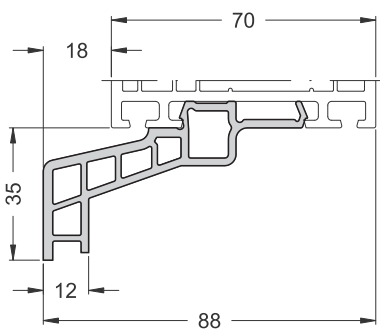
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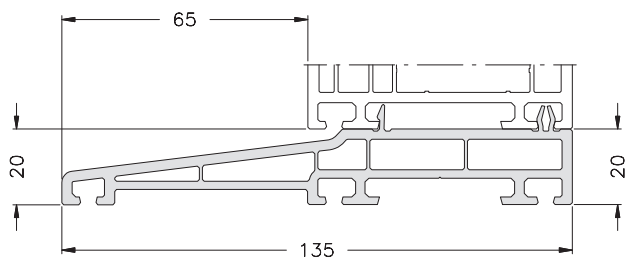
9276



9295



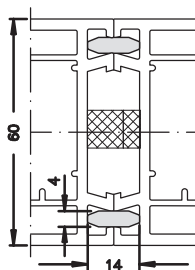
9019



SUPPLEMENTARY PROFILES - CONNECTORS

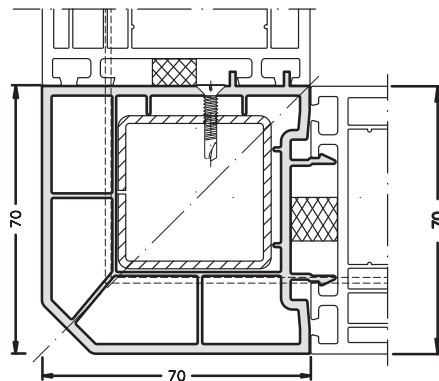
STRIP FRAME CONNECTOR

9344



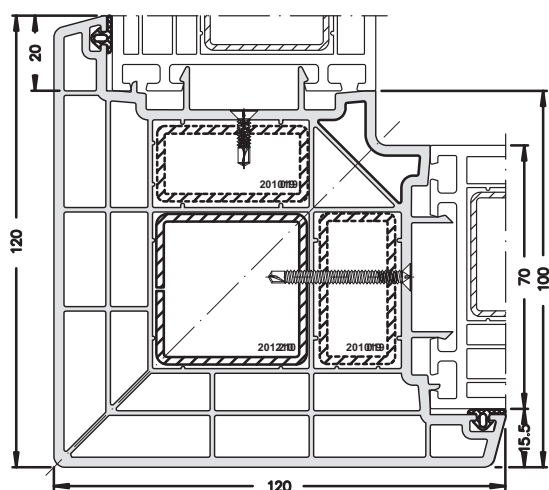
CORNER CONNECTOR TO CT70

8579



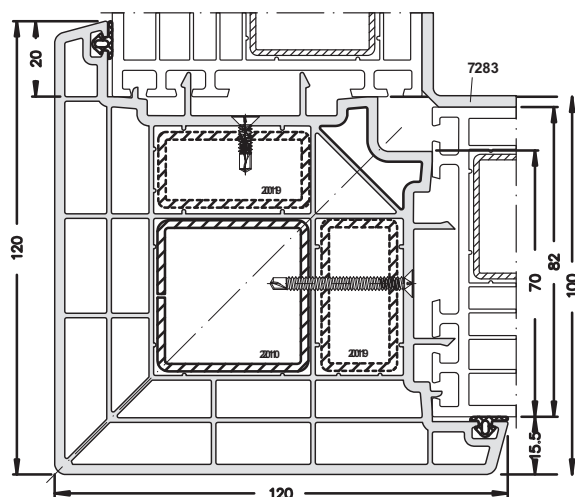
CORNER CONNECTOR TO CT70

8485



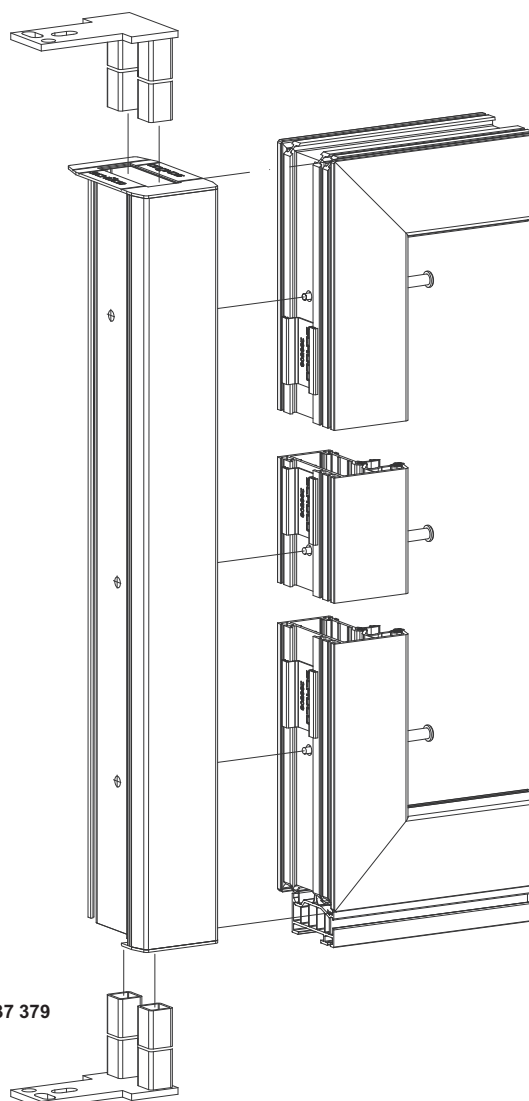
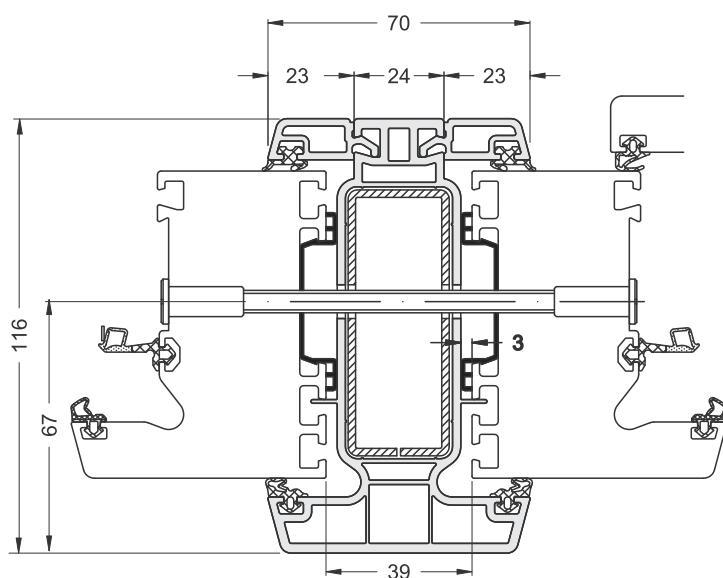
CORNER CONNECTOR TO LIVING

8485



SUPPLEMENTARY PROFILES - CONNECTORS

CT70 & LIVING
9190

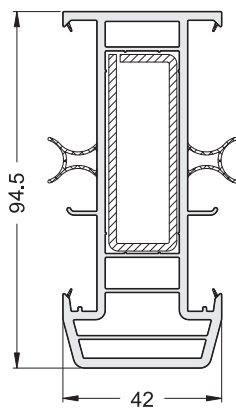


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SUPPLEMENTARY PROFILES - CONNECTORS

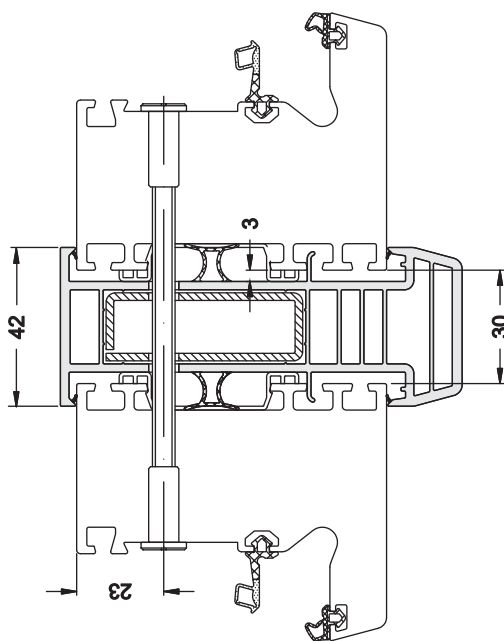
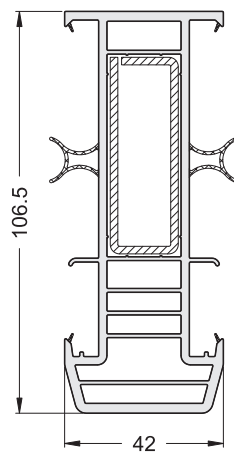
5K CONNECTOR - CT70

9211



7K CONNECTOR - LIVING

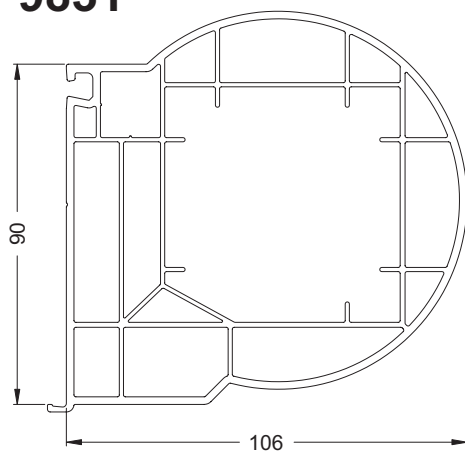
9212



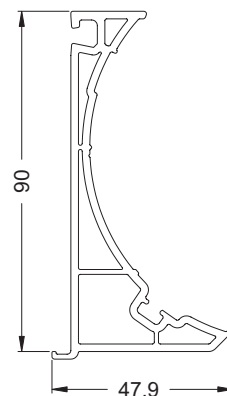
SUPPLEMENTARY PROFILES - CONNECTORS

ADJUSTABLE CORNER CONNECTOR

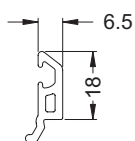
9831



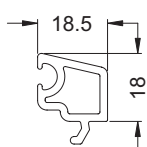
9830



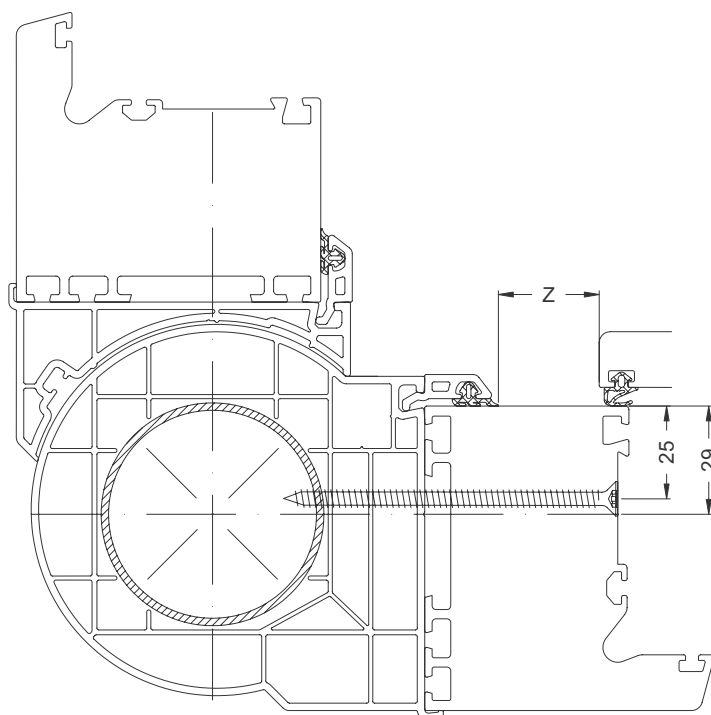
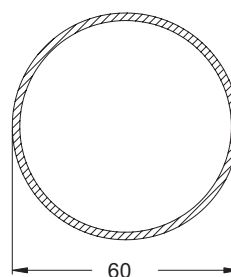
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9834



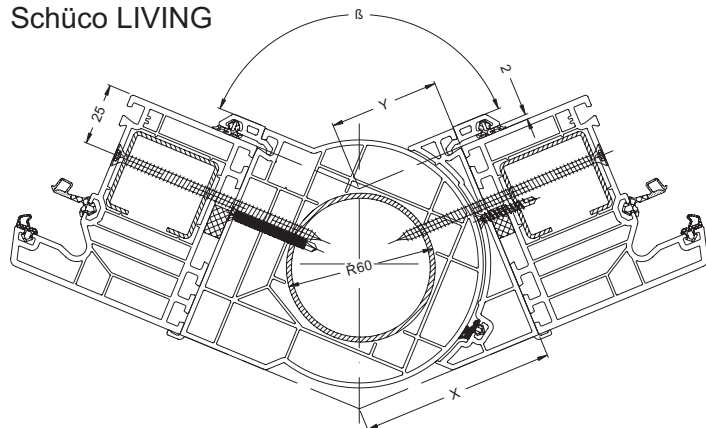
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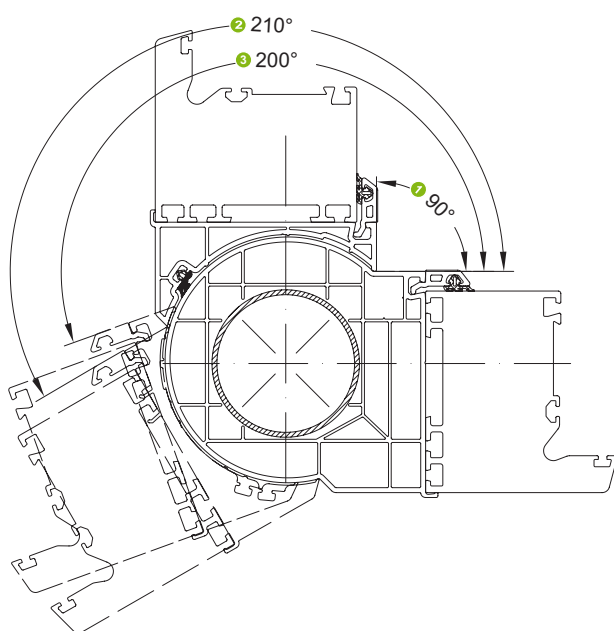
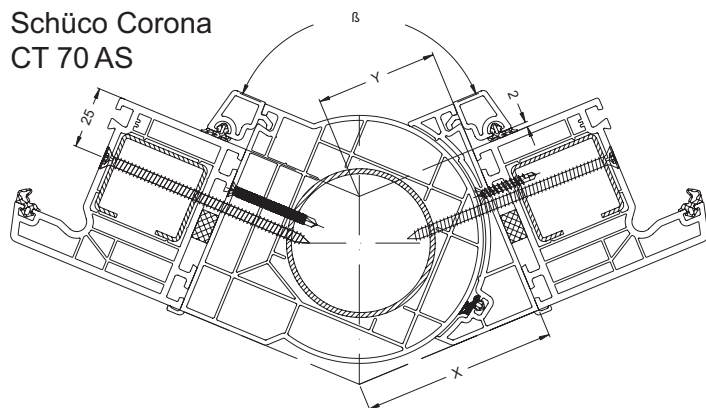
SUPPLEMENTARY PROFILES - CONNECTORS



ADJUSTABLE CORNER CONNECTOR

Schüco LIVING



Schüco Corona
CT 70 AS

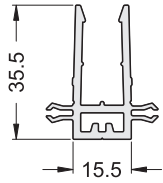


	82			70		
β (°)	X	Y		X	Y	
90	110	28	x	110	40	x
95	105,5	30,5	x	105,5	41,5	x
100	101,5	32,5	x	101,5	42,5	x
105	97,5	34,5	x	97,5	44	x
110	94	36,5	x	94	45	x
115	90,5	38	x	90,5	46	x
120	87	40	x	87	47	x
125	84	41,5	x	84	47,5	x
130	81,2	43	x	81,2	48,5	x
135	78,5	44,5	x	78,5	49,5	x
140	75,5	46	x	75,5	50	x
145	73	47	x	73	51	x
150	70,5	48,5	x	70,5	51,5	x
155	68	50	x	68	52,5	x
160	65,5	51	x	65,5	53	x
165	63	52,3	x	63	54	x
170	60	53,5	x	60	54,5	x
175	58,5	55	x	58,5	55	x
180	56	56	x	56	56	x
185	53,5	57	x	53,5	56,5	x
190	51,5	58,5	x	51,5	57,5	x
195	49	59,5	x	49	58,0	x
200	46,5	61	x	46,5	59	x
205	44	62	—	44	59,5	—
210	41,5	63,5	—	41,5	60,5	—

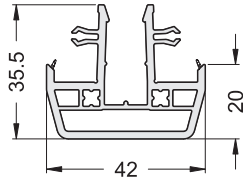
- ① Minimal angle
- ② Maximum angle for monochrome profiles
- ③ Maximum angle for foiled profiles

ADDITIONAL PROFILES - MULTI-PART COUPLING

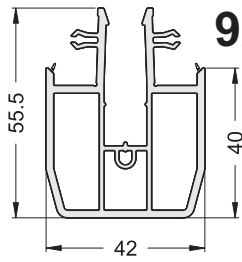
9280



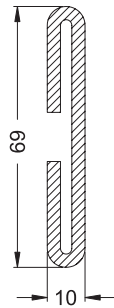
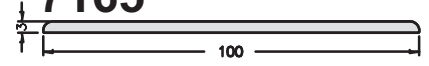
9282



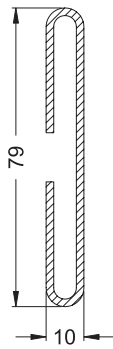
9283



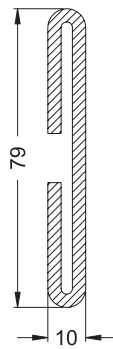
7165



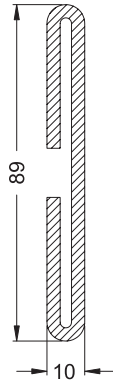
202697



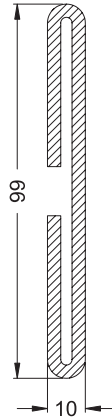
202698



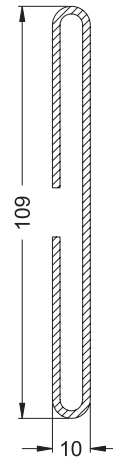
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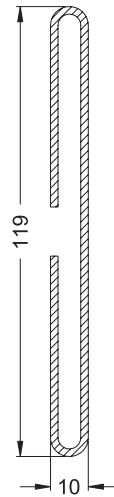
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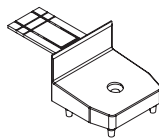
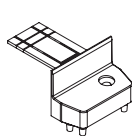
202703



202704



202705



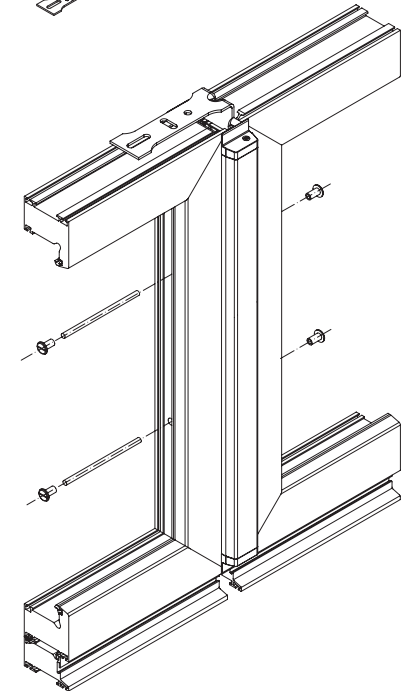
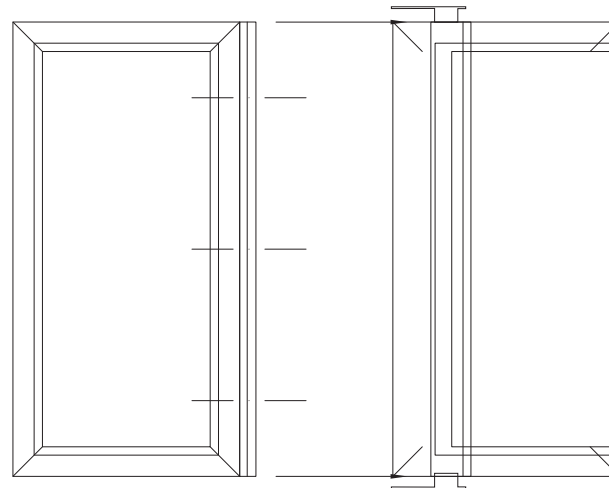
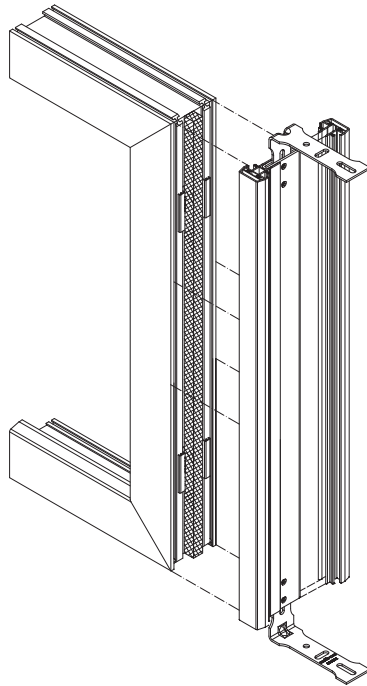
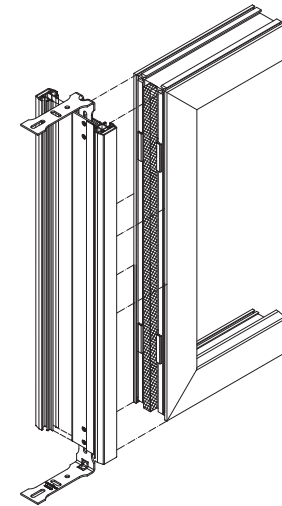
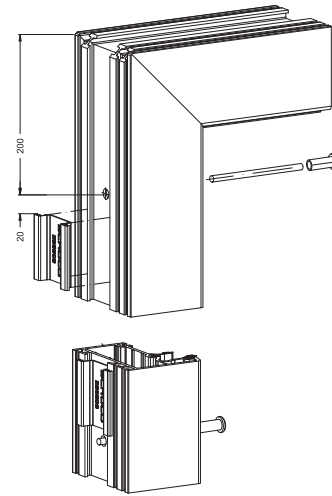
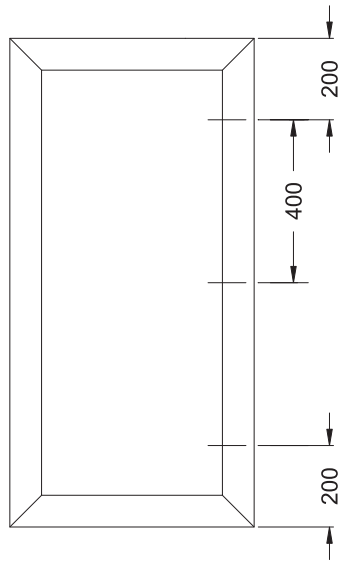
BLIND COVER

**ASSEMBLY ANCHOR
286940**



SPACER

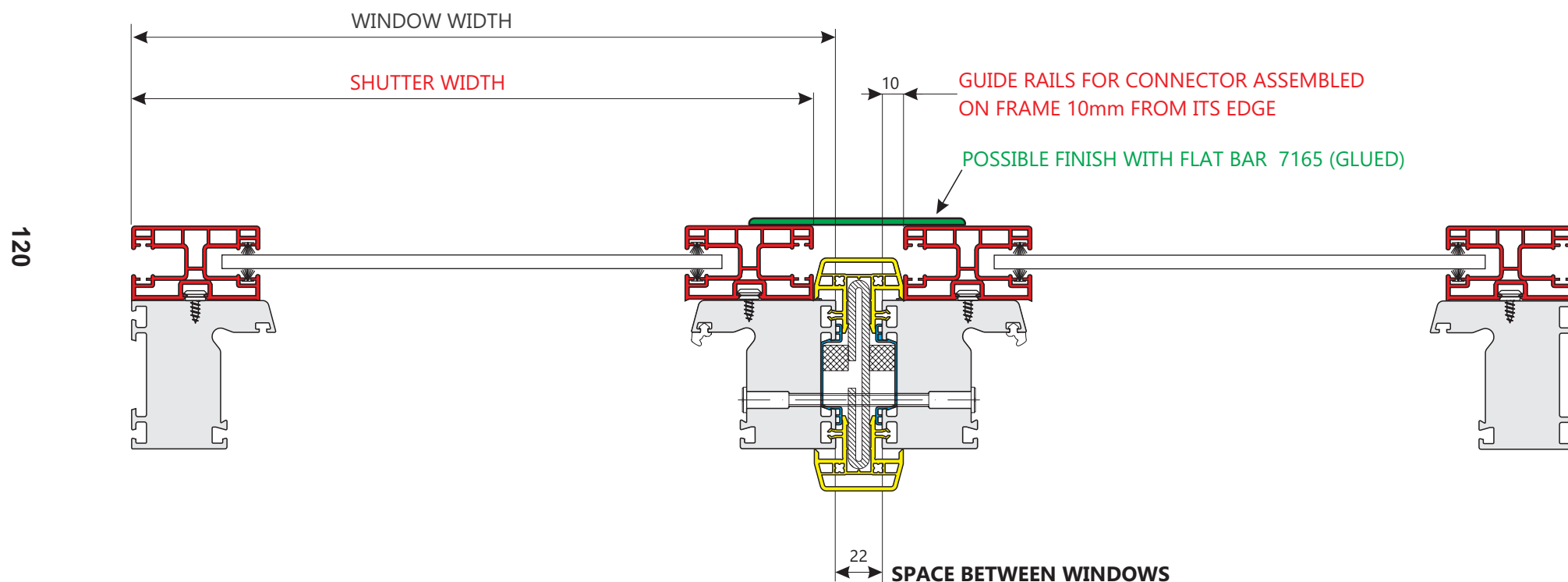
ADDITIONAL PROFILES - MULTI-PART COUPLING



WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9282 + 9282

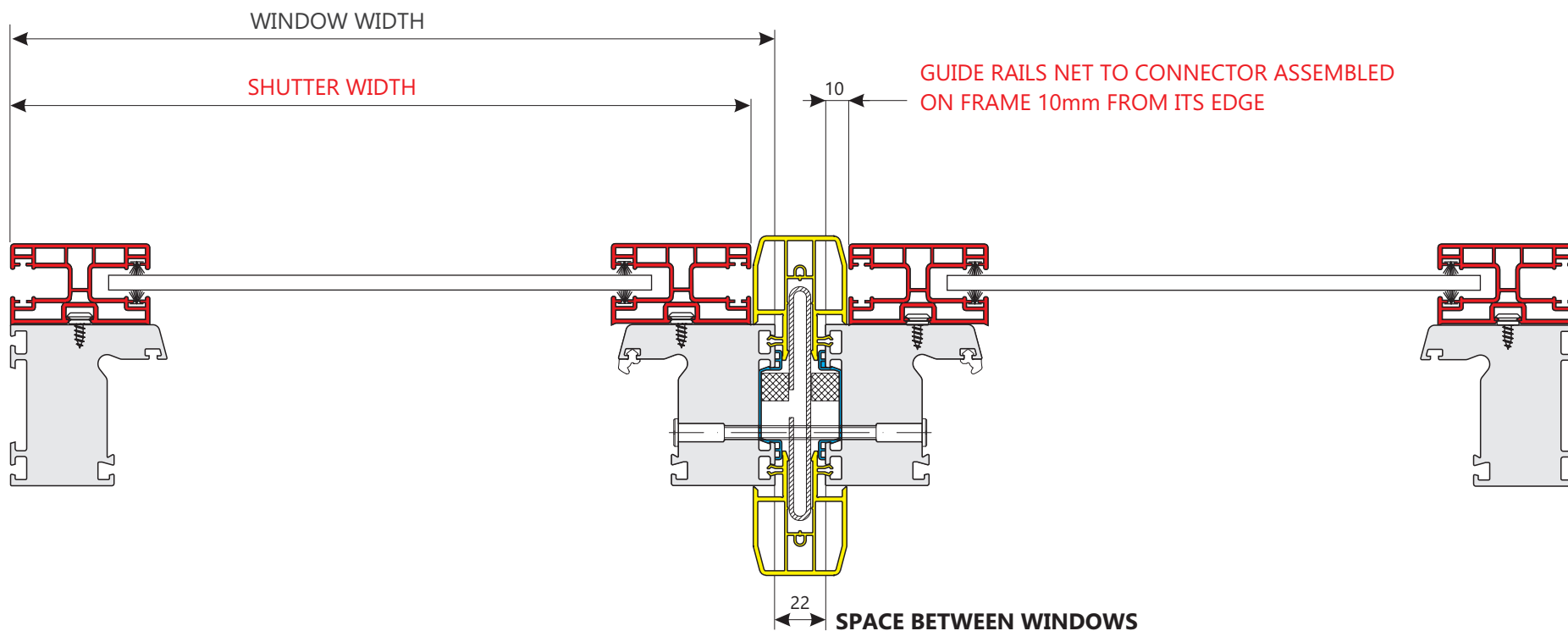
2 WINDOWS + 1 SHUTTERS



WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9283 + 9283

2 WINDOWS + 1 SHUTTERS

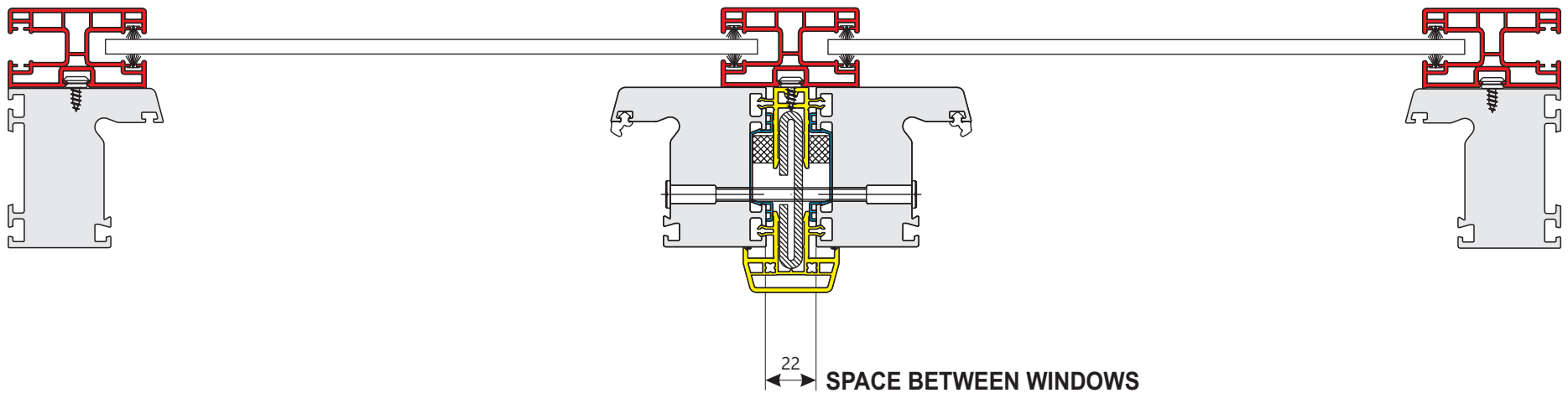


121

WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9280 + 9282 ODER 9280 + 9283

2 WINDOWS + 1 SHUTTER

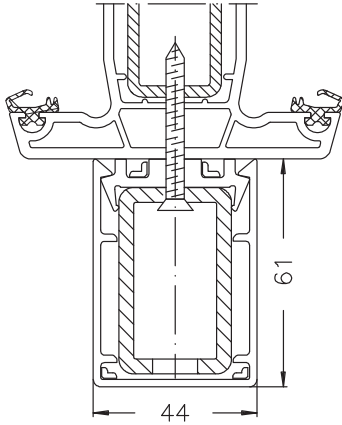


122

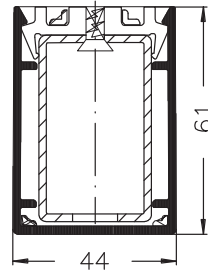
ADDITIONAL PROFILES

STATIC COVER STRIP

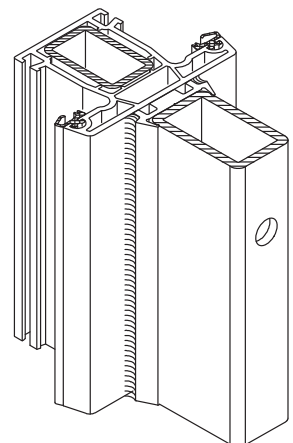
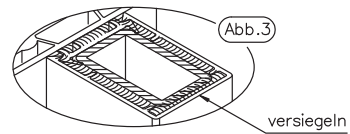
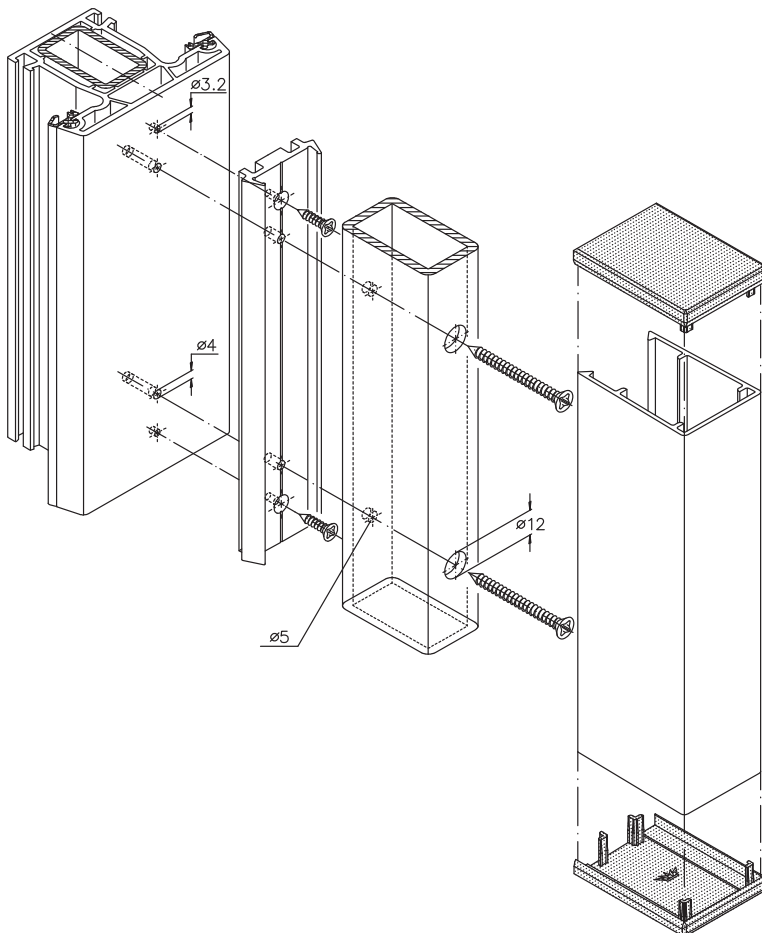
PVC COVER - WHITE
7206



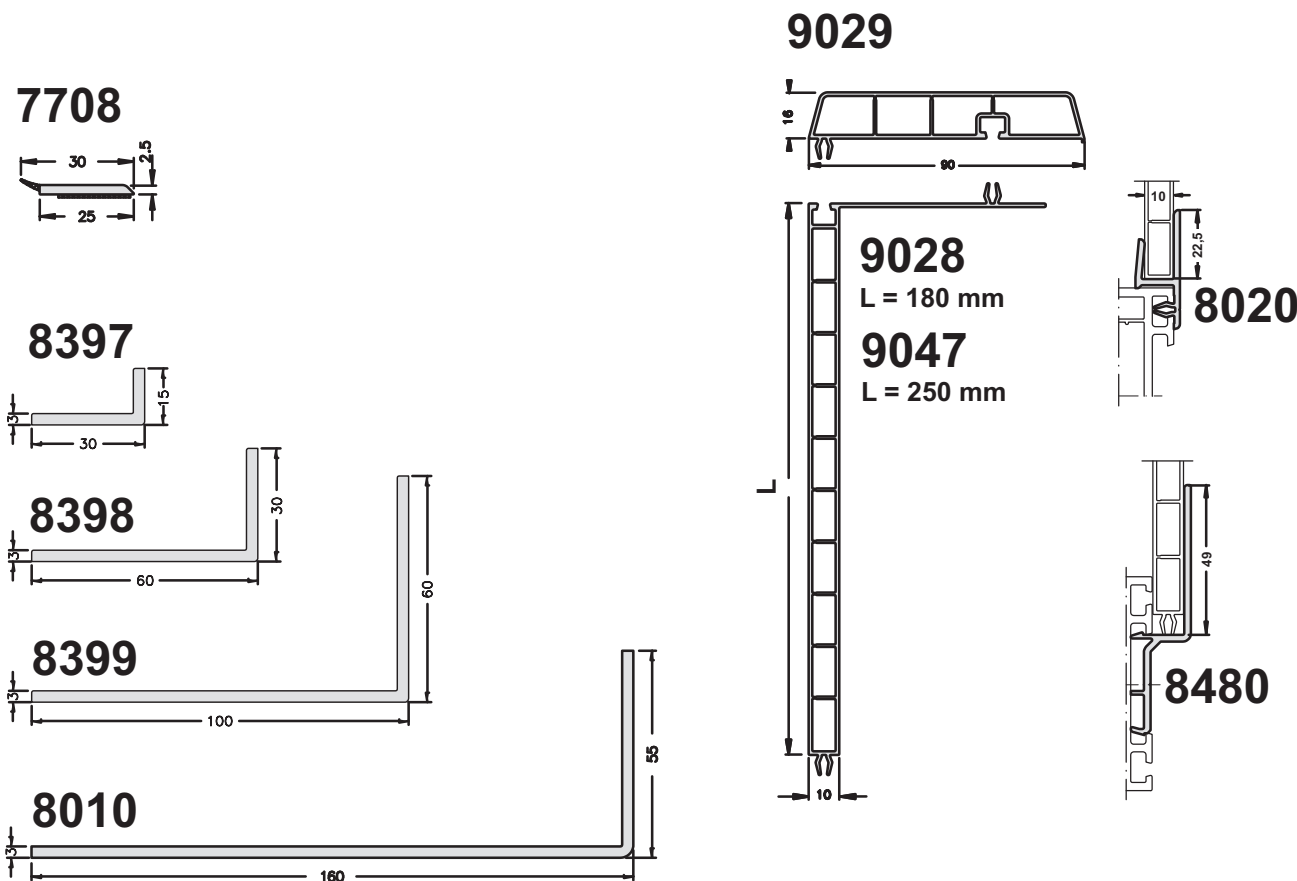
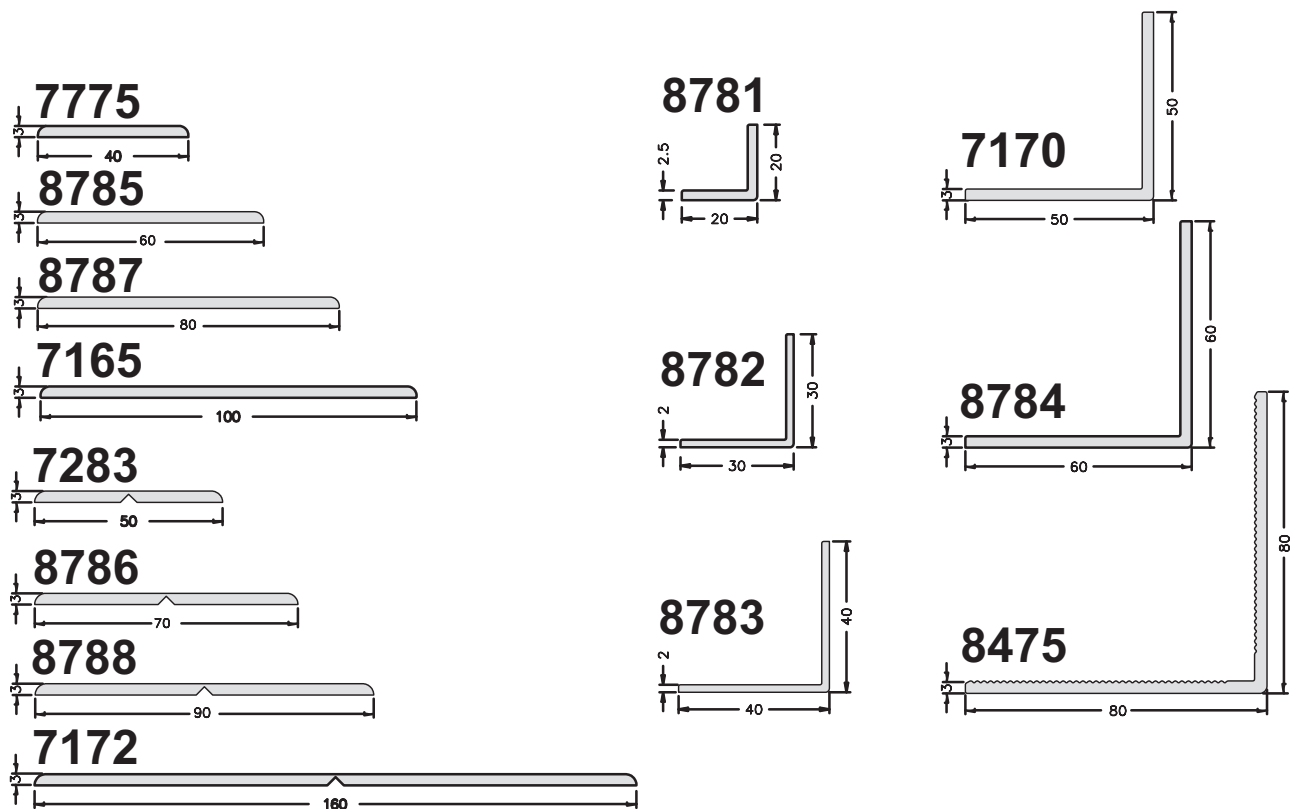
ALUMINIUM COVER-LAMINATED
7025



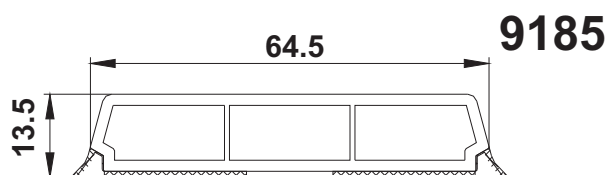
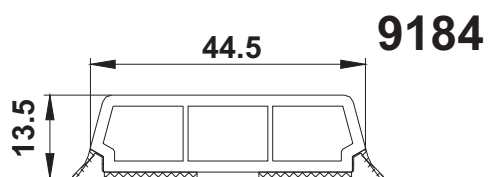
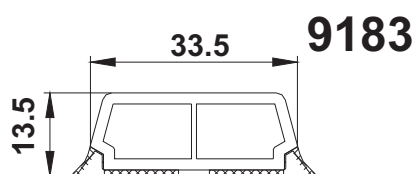
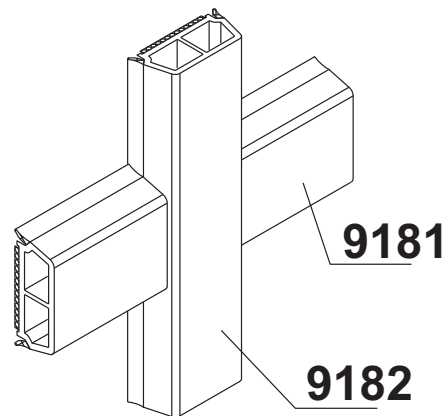
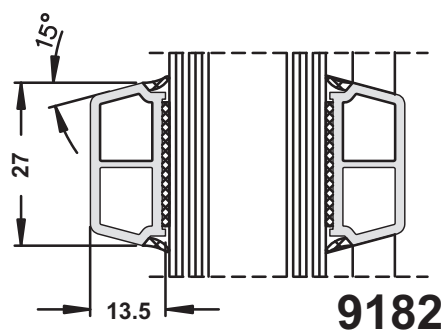
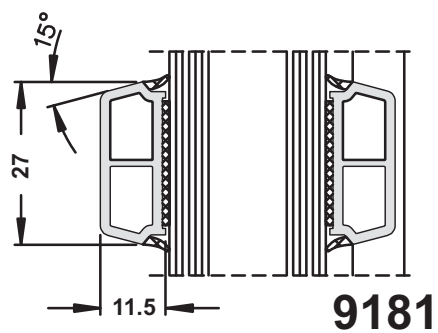
ALUMINIUM COVER - RAW
105 620






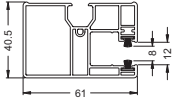
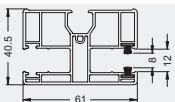
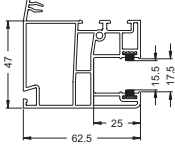
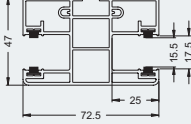
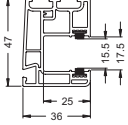
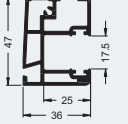
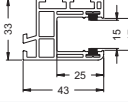
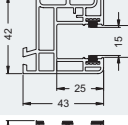
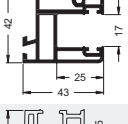
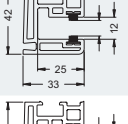
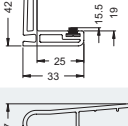
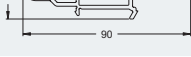
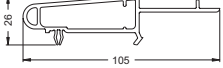
ADDITIONAL PROFILES - FLATLAND CORNER PROFILES




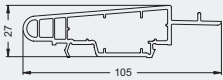


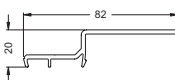


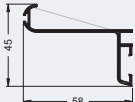

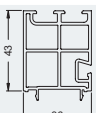
ADDITIONAL PROFILES - GLUED-ON FEATURE BARS

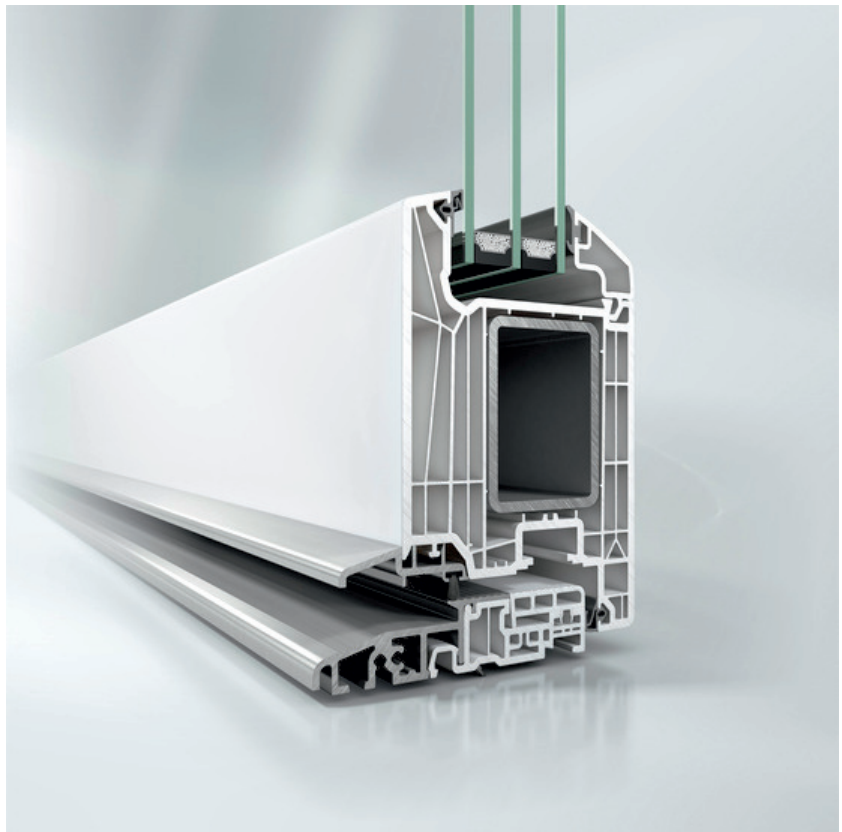
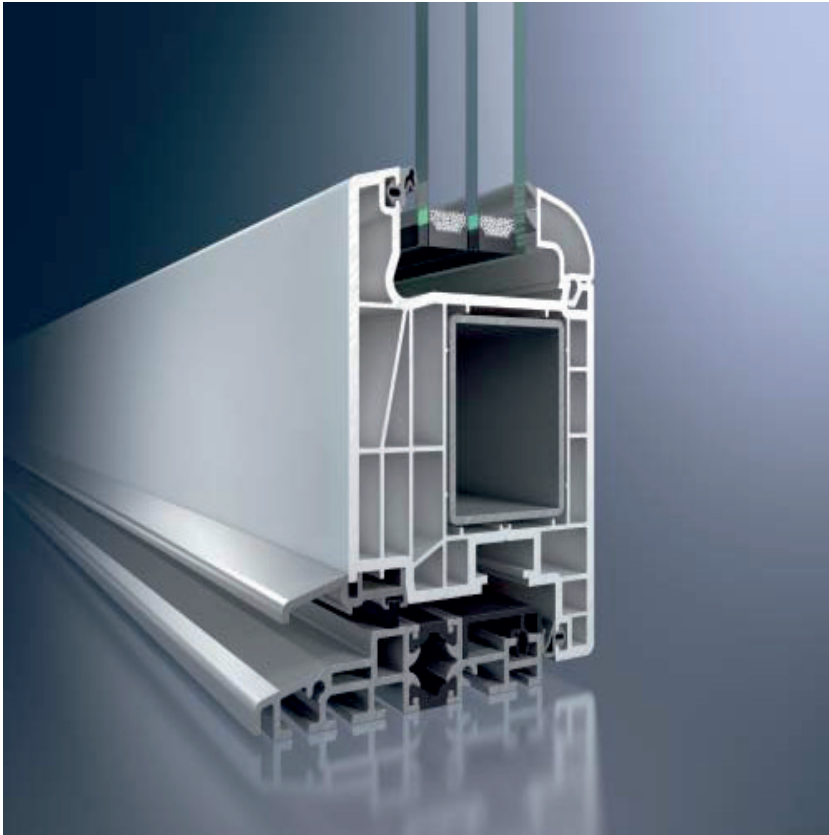


SCHÜCO - PROFILES FOR ROLLER SHUTTERS

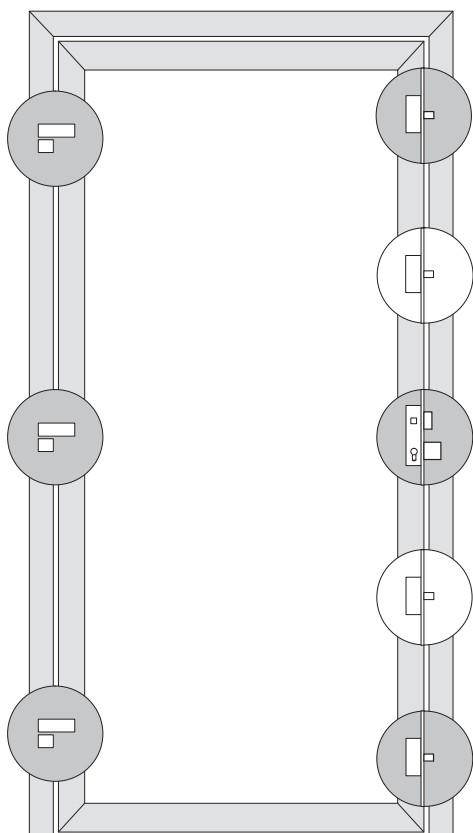
Art.-Nr. Art. No.	Abbildung Illustration	Benennung Description	Schüco Living	
18403000		Klipsprofil 8 Clip-on profile 8	AS/ MD	6,0 m
18927000		Klipsprofil 7 Clip-on profile 7	AS/ MD	6,5 m
18930...		Rollladenführung 40,5/61 Roller shutter guide 40.5/61	AS/ MD	6,0 m
18940...				
19217...		Rollladenführung 47/62,5 Roller shutter guide 47/62.5	AS/ MD	6,0 m
18289...		Rollladenführung 47/72,5 Roller shutter guide 47/72.5	AS/ MD	6,0 m
18287...		Rollladenführung 47/36 Roller shutter guide 47/36	AS/ MD	6,0 m
13167200		Alu-Rollladenführung 47/36 Aluminium roller shutter guide 47/36	AS/ MD	6,0 m
18294...		Rollladenführung 33/43 Roller shutter guide 33/43	AS/ MD	6,0 m
19151...		Rollladenführung 42/43 Roller shutter guide 42/43	AS/ MD	6,5 m
13296800		Alu-Rollladenführung 42/43 Aluminium roller shutter guide 42/43	AS/ MD	6,0 m
18488...		Rollladenführung 43/33 Roller shutter guide 43/33	AS/ MD	6,0 m
18486...		Rollladenführung 42/33 Roller shutter guide 42/33	AS/ MD	6,0 m
17780000 17780150		Rollladentaverse Roller shutter traverse	AS/ MD	6,0 m
18049000 18049150		Rollladentaverse Roller shutter traverse	AS/ MD	6,0 m

SCHÜCO - PROFILES FOR ROLLER SHUTTERS

Art.-Nr. Art.. No.	Abbildung Illustration	Benennung Description	Schüco Living	
19216000 19216150		Rollladentraverse Roller shutter traverse	AS/ MD	6,0 m
18020...		Kastenanschlussprofil Headbox attachment profile	AS/ MD	6,0 m
18298000		Kastenanschlussprofil Headbox attachment profile	AS/ MD	6,0 m
18480000 18480150		Adapterprofil 82/20 Adapter profile 82/20	AS/ MD	6,0 m
18018000 18018150 18018050 18018100		Abrolleiste 16/15 Top roller shutter guide 16/15	AS/ MD	6,0 m
18297000 18297150 18297100		Abrolleiste 5/15 Top roller shutter guide 5/15	AS/ MD	6,0 m
13296300		Alu-Abrolleiste 58/45 Aluminium top roller shutter guide 58/45	AS/ MD	6,0 m
18296...		Rollladen-Adapter 16/36 Roller shutter adapter 16/36	AS/ MD	6,0 m
18029...		Rollladen-Adapter 43/36 Roller shutter adapter 43/36	AS/ MD	6,0 m



PVC DOORS - DIMENSIONS



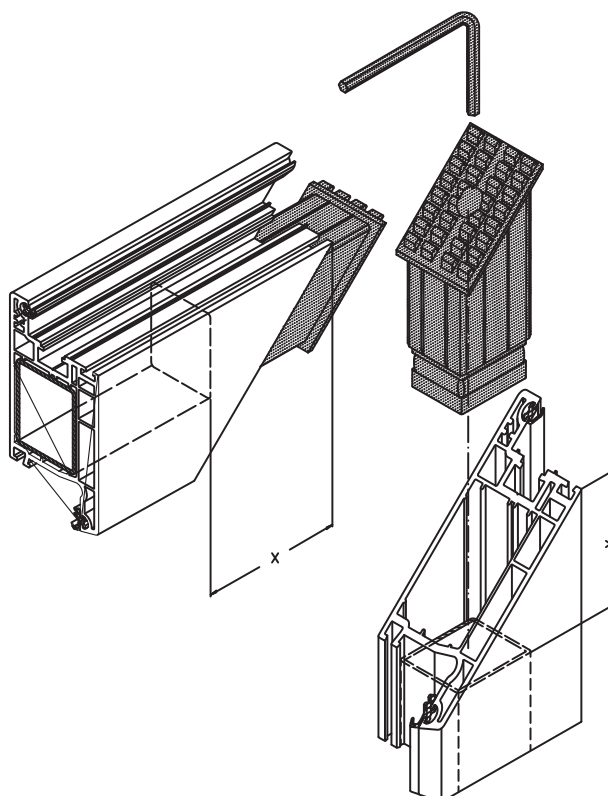
MINIMAL DIMENSIONS

WIDTH - HEIGHT
900 mm - 1850 mm

MAXIMUM DIMENSIONS

WIDTH - HEIGHT
1250 mm - 2350 mm

DOOR LEAVES CONNECTIONS



**2 hooks
(2CH)**



**4 hooks
(4CH)**



**2 hooks + PZ
(2CHZS)**

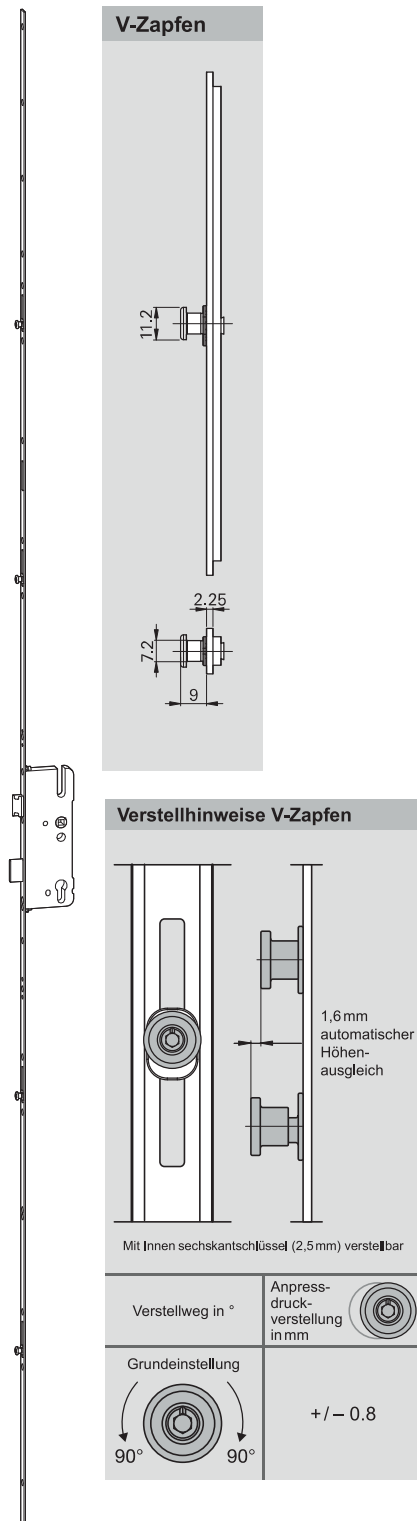


2CH - 3-point locking (1 lock + 2 locking hooks)

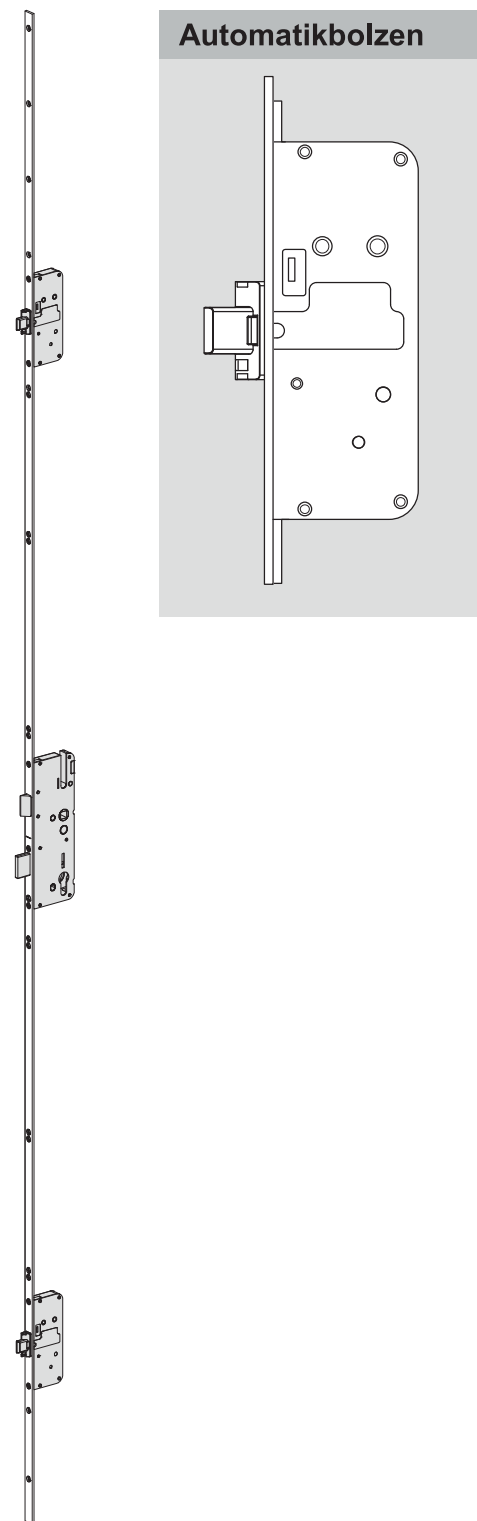
4CH - 5-point locking (1 lock + 4 locking hooks)

2CHZS - 3-point locking (1 lock + 2 locking hooks + additional blocking insert)

4 rolls



AUTOMATIC



4V - 5-point locking (1 lock + 4 locking rolls-Zapfen)
AUTOMATIC - 3-point locking (1 Schloss + 2 automatic locking points)

AUTOMATIC DOORS WITH ACCESS CONTROL **GU**



- | | | |
|---|-----------------------------------|---------------------------------------|
| 1 Multi-point lock Secury Automatic with motor | 3b Code keypad | 4 BKS Janus cylinder series 45 |
| 2 secureConnect 50 | 3c Bluetooth&Code keyboard | 5 GU Controller IO |
| 3 Biometric access control | 3d RFiD reader | 6 Door closing sensor |
| 3a Fingerprint scanner | 3e Smartphone/Tablet/PC | |

AUTOMATIC DOORS WITH ACCESS CONTROL

Intelligent Control

Bluetooth&Code keyboard



- Glass surface
- It is possible to pair 6 phones and programming 18 codes
- Compatible with all electromechanical locks GU groups
- No possibility of unauthorized use of door

Fingerprint scanner



- 150 fingers of users can be programmed
- Compatible with all electromechanical locks and electric strikes GU groups
- No possibility of unauthorized use of door

RFiD reader



- Can be programmed any number of key fobs and cards
- Compatible with all electromechanical locks GU groups
- Data transmission in RS-485 standard - no possibility of unauthorized use of door

Code keypad



- 20 codes can be programmed
- Compatible with all electromechanical locks and electric strikes GU groups
- No possibility of unauthorized use of door

Radio control

- Radio control module + 4-channel remote control
- Full control over closing and opening the door



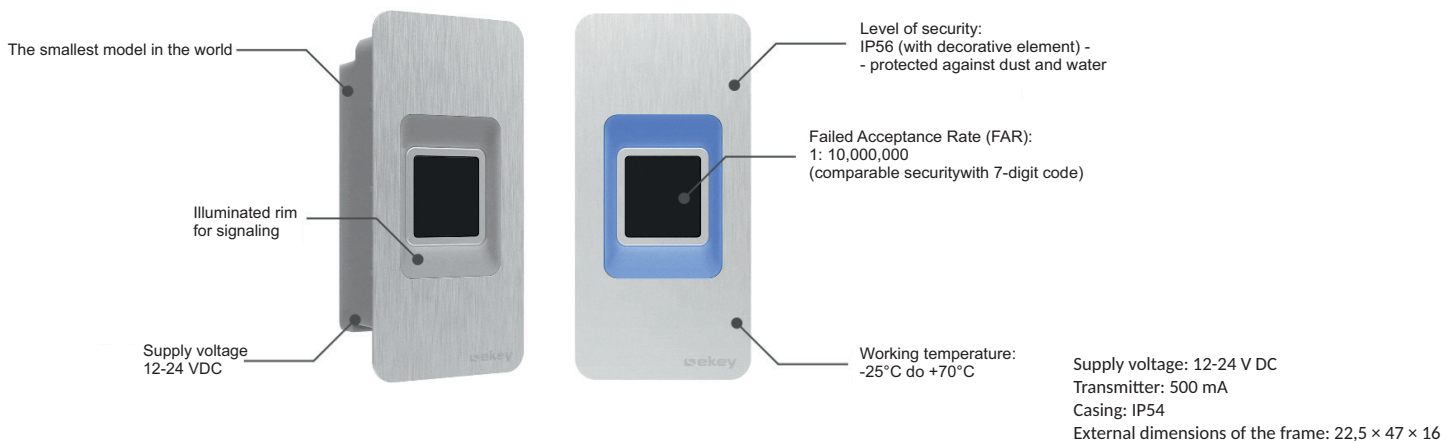
Smart Home

- Gu Controller IO in connection with the central management gives door control option from a smartphone or tablet from anywhere on Earth.

Intelligent Control

ekey dLine - fingerprint scanner system

- The ekey dLine fingerprint scanner system is managed with a smartphone or tablet. The newly developed ekey bionyx app can be operated in comfort mode via the internet or in local mode on site via wireless
- Possibility of integration with the smart home system
- Open the door conveniently with your finger – without a key, smartphone or other aids
- Remote opening - the ability to unlock the door with their smartphone – wherever they are
- Push messages - automatic receipt of messages as soon as the door is opened using the fingerprint reader
- No possibility unauthorized use of the door




UniLock - multifunctional access control

- Universal solution enabling full access control at different levels
- Identification possible in 6 ways: fingerprint, code keyboard, RFID transponder, NFC, Bluetooth or using the SmartLock application; remotely - thanks to the Wi-Fi GateWay module (additional option)
- Very large memory - the ability to remember 100 fingerprints, 150 digital codes, 200 RFID transponders, an unlimited number of eKey codes
- Intuitive management of the access list and authorization levels
- Possibility of granting access on four authorization levels: temporary (from - to), permanent, one-time, cyclical access



Supply voltage: 12/24 V DC 200 mA
 Transmitter: 1 A/250 V switching current/switching voltage
 Casing: IP66
 External dimensions of the frame: 45 × 90,5 × 2 mm

List of available access control system solutions

					
Number of fingerprints	150	✗	✗	100	20
Number of user codes	✗	20	✗	150	✗
Number of keychains/cards	✗	✗	150	200	✗
Number of paired phones	✗	✗	✗	unlimited	20
Number of one-time/timed codes	✗	✗	✗	unlimited	✗
Control from the application from the BT level	✗	✗	✗	✓	✓
Sash version	✓	✓	✓	✓	✓
Frame version	✓	✓	✗	i	i
Wall-mounted version	✓	✓	✗	i	i
Integrated radio control	✗	✗	✗	✗	✗
Cooperation with SECUREconnect 50/200	✓	✓	✓	✓	✓
Type of administration	finger Master/ remote control	code Master	keyring Master	application SOREX SmartLock	application ekey bionyx
Supply voltage	8-24 V DC	8-24 V DC	8-24 V DC	12-24 V DC	12-24 V DC
Temperature range	od -20°C do +85°C	od -20°C do +85°C	od -20°C do +85°C	od -30°C do +60°C	od -25°C do +70°C
Level of security	IP65	IP65	IP65	IP65	IP54
External dimensions (mm)	75,4 × 44 × 29	75,4 × 44 × 29	75,4 × 44 × 29	93 × 48 × 19,8	22,5 × 47 × 16

✓ available

✗ not available

i requires individual arrangements

Power transmitter:

SECURE CONNECT 50



EKONO



- Enables integration with smarthome systems
- SecureConnect 50 makes it possible to quickly remove the door leaf
- SecureConnect 50 combines 2 products in 1 - Power supply / Power and data transmission between the door leaf and frame
- Ekono - Power and data transmission between the door leaf and frame via a cable, power supply separately

Multi-point lock GU Secury Automatic with A-Öffner Servo

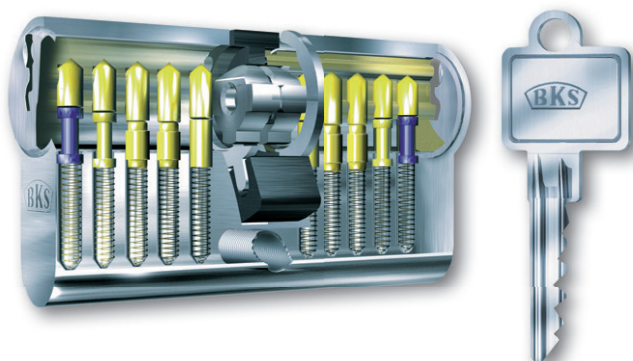


PATENT CYLINDRES

Types of patent cylinders:

Standard

- Tested for 50000 cycles
- Color - nickel
- High corrosion resistance
- Solid 2,4mm thick key

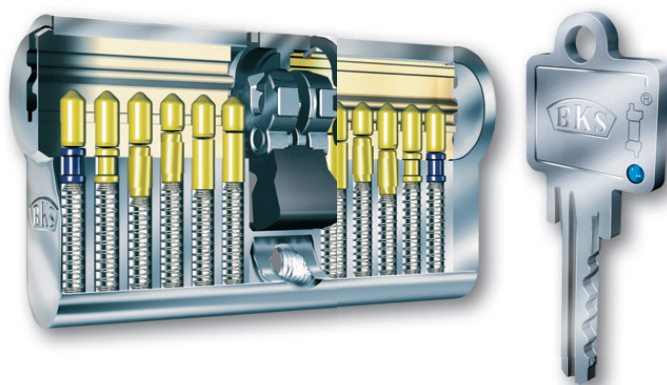


Series 88 - class B

- 5-pin profile cylinder with a paracentric key profile
- three keys in a set
- cylinder body - nickel-plated brass
- possibility of making cylinder with GF emergency function -
 - it is possible to open/lock the cylinders even when a key is inside
- additional options:
 - BSKC - anti-drilling protection
 - UNIFICATION (6 keys)
 - BSKC + UNIFICATION

Series 50 - class 6

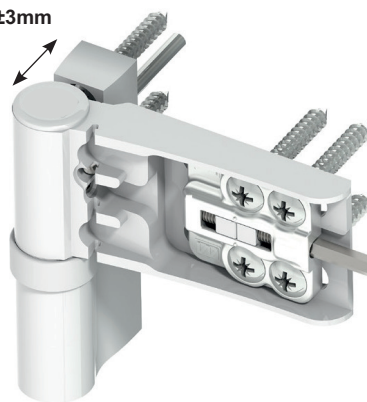
- 6-pin profile cylinder with a reversible key mechanism with a paracentric key profile
- three high-quality keys in a set
- cylinder body - nickel-plated brass
- class 6 - the highest code security class



PVC DOORS - AXM HINGES - UP TO 120 KG

Sealing pressure adjustment (upstand)

±3mm



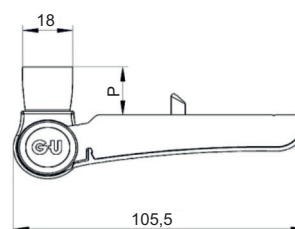
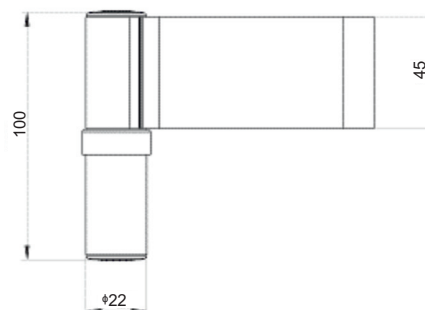
AXM

Vertical adjustment

+5mm
-1,5mm

Horizontal adjustment

±5mm



P - upstand height

COLOURS:

- WHITE - RAL 9016
- ANTHRACITE - RAL7016
- BROWN - RAL 8019
- SILVER (anodized)
- INOX (anodized, brushed)

REED SWITCHES MVS

The MVS reed switch is a magnetic system for controlling the closing and opening of the window. When the magnetic field is interrupted in the MVS sensor, the system sends an impulse to the alarm control unit via hidden wiring. Comes to run alarm siren.

Closing control - magnetic roller placed in the upper corner. The handle vertically downwards - the window is closed. The handle in any position other than closed - there is information window not closed.

Opening control - a rebate magnet mounted at the bottom of the sash, as close to the handle side as possible. At the moment of opening the sash, there is information that the window is open (opening control).

Control of opening and closing - enables mixed information - the window is closed or open, and with tilt there is information that the window is not closed, but also not open, but just tilted, which does not, for example, trigger an alarm.

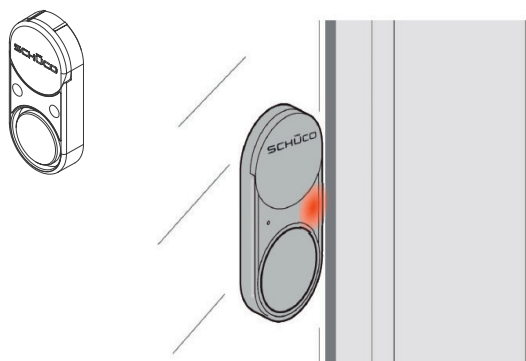
Roto MVS window sensors are available in the following variants:

- class B - medium level protection and counteracts burglary attempts when armed and unarmed. The sensors have an average sensitivity to stimuli.
- class C - protection at a higher level and counteracts burglary attempts when armed and unarmed. The sensors have an increased sensitivity to stimuli.



SCHÜCO SoundGuard SENSORS

BATTERY GLASS BREAK SENSOR



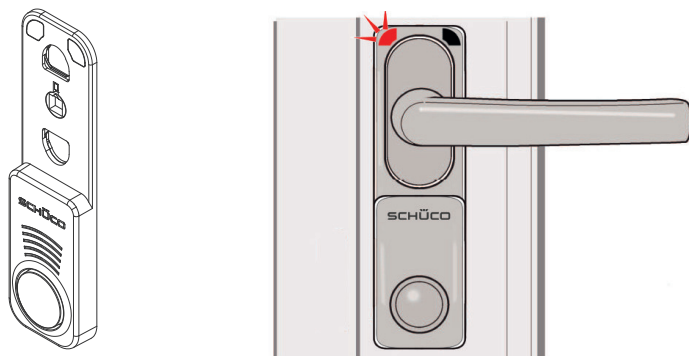
Properties:

- glass application
- easy assembly and adjustment
- battery operated, with optical and acoustic battery charge status indication
- a flashing LED indicates an active state control system
- alarm sound > 100 dB
- three color versions
- possibility of use for surfaces glass up to about 2 m² (in the case of surfaces above 2 m², two sensors are necessary)
- the scope of delivery includes the instruction and batteries

Available colours

Article no	Color
25840300	White
25840400	Black
25840500	F9 (Edelstahllook)

BATTERY WINDOW OPENING SENSOR



Properties:

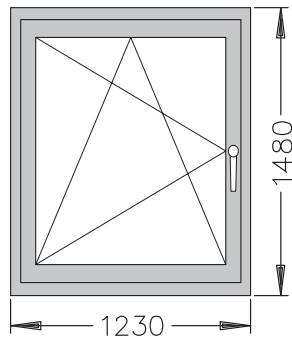
- use with the Schüco handle
- easy assembly and adjustment, self-adhesive magnet in the rebate of the door frame
- battery operated, with optical and acoustic battery charge status indication
- alarm sound > 100 dB
- three color versions
- the scope of delivery includes the instruction and batteries
- certifikat VdS

Available colours

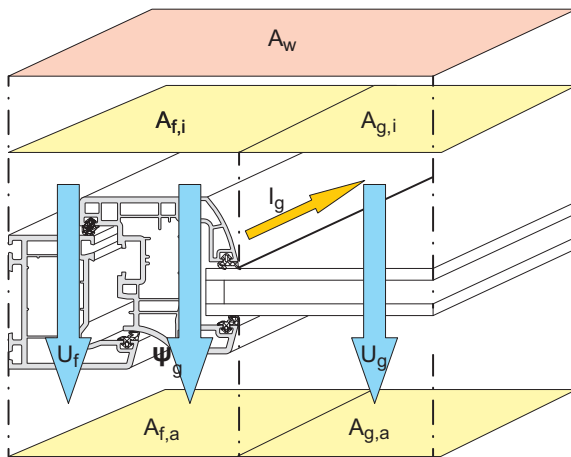
Article no	Color
25840000	White
25840100	Black
25840200	F9 (Edelstahllook)

THERMAL INSULATION

U_w COEFFICIENT IN SCHUCO SYSTEMS

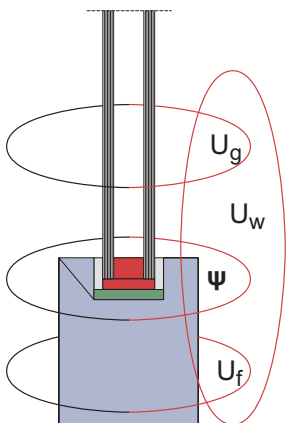


TESTED WINDOW



U_w value calculation method

$$U_w = \frac{A_g U_g + A_f U_f + l_g \psi_g}{A_g + A_f}$$



Thermal insulation coefficient:

U_w = Window [W/(m² · K)]

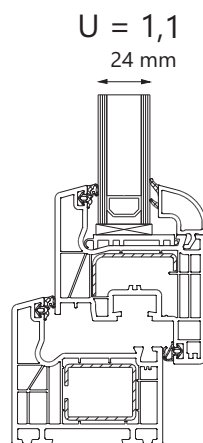
U_g = Glass [W/(m² · K)]

U_f = Profile [W/(m² · K)]

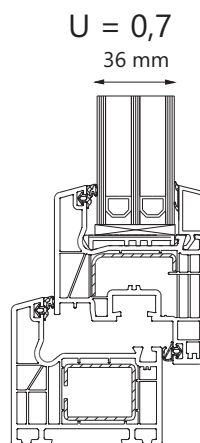
ψ_g = Linear coefficient of thermal insulation at the frame - glass junction

EXEMPLARY VALUE FOR COEFFICIENT U_w FOR OUR WINDOWS

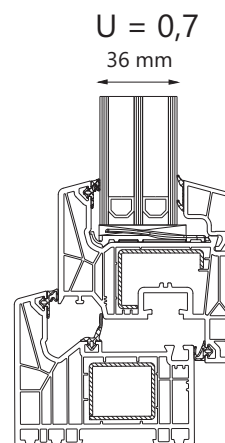
WITH US
SAVE MORE !!!



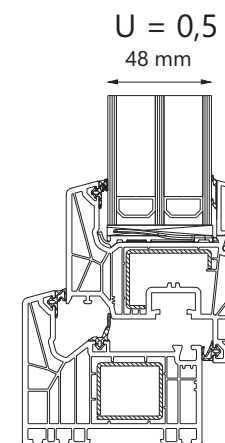
**CT 70
CLASSIC**



**CT 70
CLASSIC**

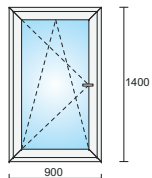


**LIVING
MD**



**LIVING
MD**

PARAMETERS OF GLASS

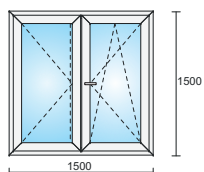


$U = 1,33$

$U = 1,09$

$U = 0,97$

$U = 0,81$



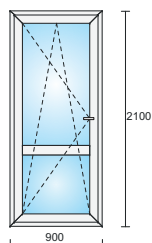
$U = 1,34$

$U = 1,10$

$U = 0,97$

$U = 0,82$

U - VALUE FOR WINDOW



$U = 1,36$

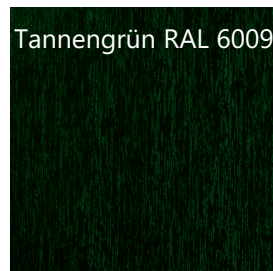
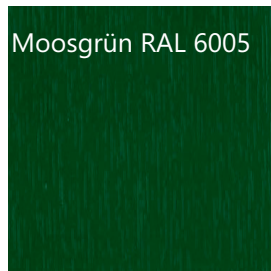
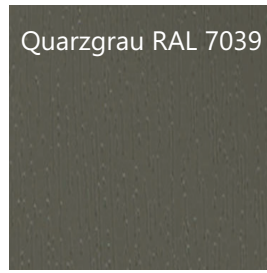
$U = 1,11$

$U = 0,98$

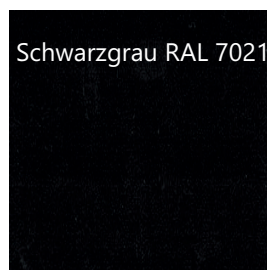
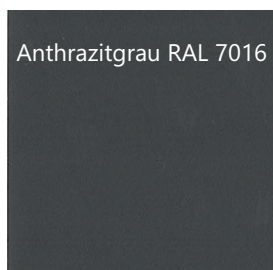
$U = 0,83$

DECORATIVE FOILS

SINGLE COLOUR - WOOD EFFECT

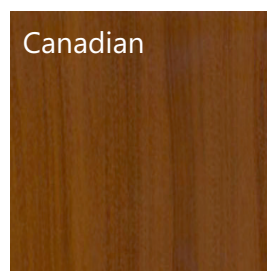
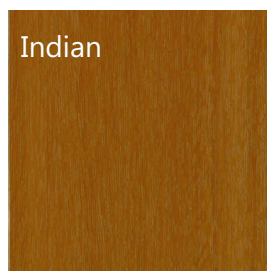
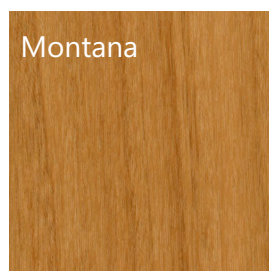
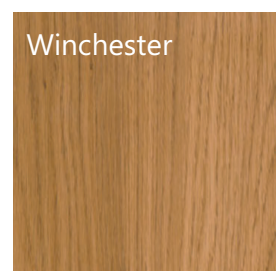
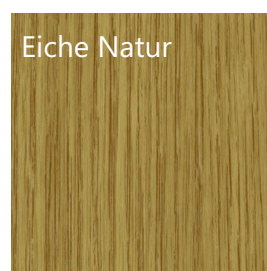
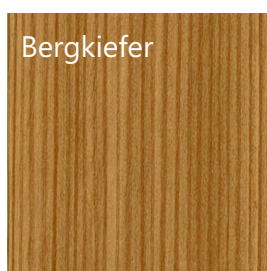
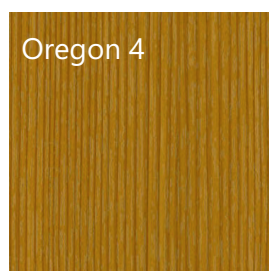
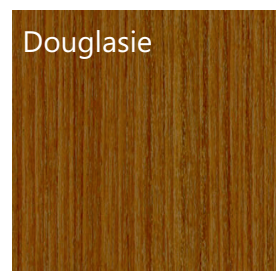
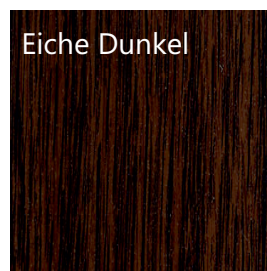
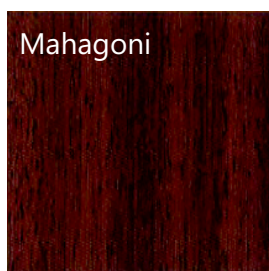
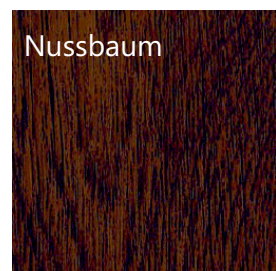
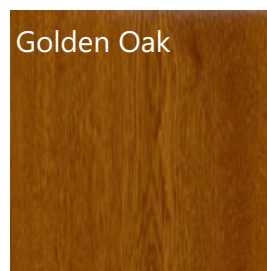
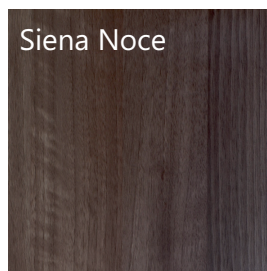
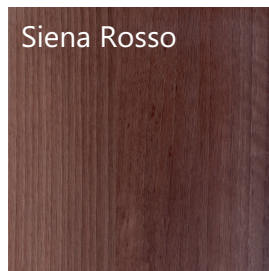


SINGLE COLOUR - SMOOTH

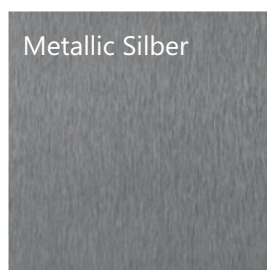


DECORATIVE FOILS

WOOD-EFFECT



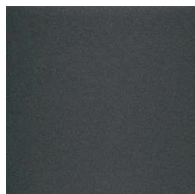
METALIC COLOUR



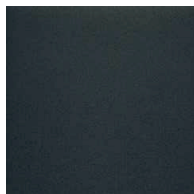
DECORATIVE FOILS

SELECTED by Schüco

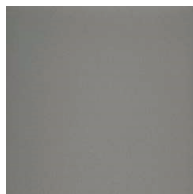
Metallic colours



Mattex DB 703
(470 1014)



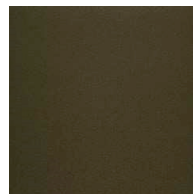
Mattex Shine dark graphite
(470 1033)



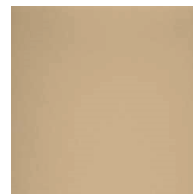
Mattex Shine grey aluminium
(470 1031)



Mattex Shine white aluminium
(470 1032)

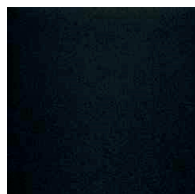


Mattex Shine deep bronze
(470 1029)

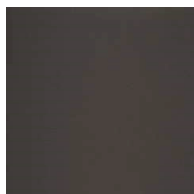


Mattex Shine beige
(470 1028)

Single colours

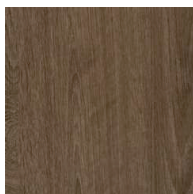


Mattex Jet Black
(476 6062)

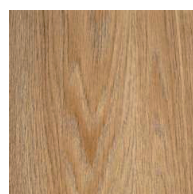


Mattex Umbragrau
(470 6065)

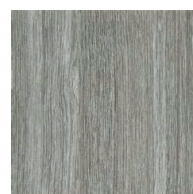
Woodgrain finishes



Turner Oak toffee
(470 3004)



Turner Oak malt
(470 3001)



Sheffield Oak concrete
(470 3003)

In addition, other veneer colours are also available, e.g. Alux anthracite, Black Ulti-Matt and many others. It is possible to make window and door joinery in different colors on both sides.

FOIL SAMPLES available on order under catalog numbers:

29586700 - samples STANDARD

29586800 - samples TOP 30

20350300 - samples Special Edition

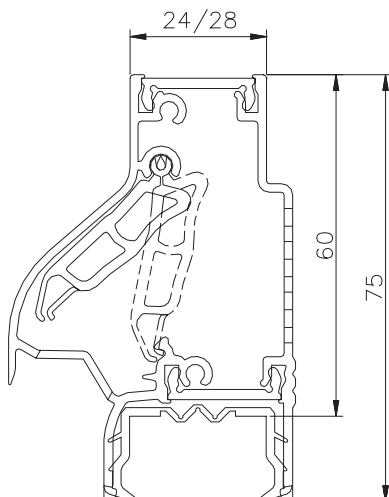


TC60

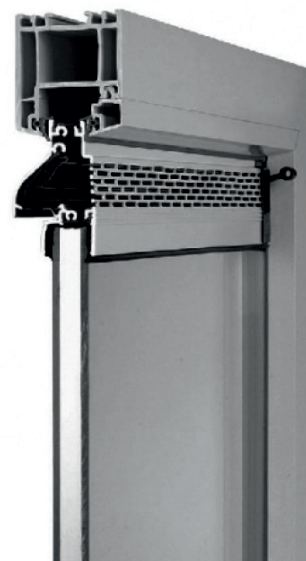
Aluminium window flap ventilator

Airflow 141 m³/h at 10 Pa

Water and wind tightness up to 650 Pa in closed position (K100)



- total height - 75 mm
- assembly height - 60 mm
- on glazing unit - 24, 28 mm

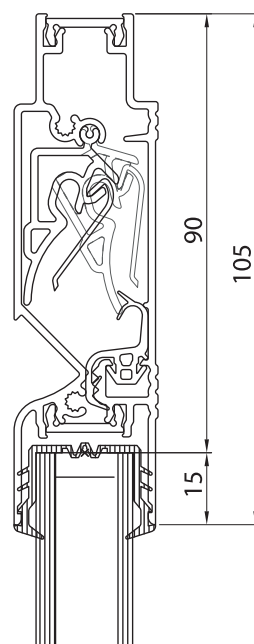
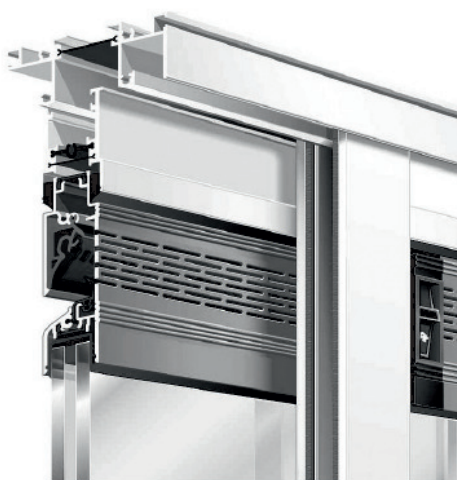


THM90

Aluminium compact window flap ventilator with a wind blocking casing.

Flat, aimed for bi-folding and sliding doors.

Airflow	m ³ /h/mb
1 Pa	31,8
2 Pa	45,0
4 Pa	48,3
8 Pa	50,7
10 Pa	46,5
20 Pa	50,0
The basal area of a ventilation gap	
11.176 mm ²	
The area of a ventilation gap	
15.000 mm ²	
Controllable	
5-stepped position	
Airflow leakage in closed position at 50 Pa < 15%	
yes	
Insect mesh	
yes	
Watertightness in closed position	
350 Pa	
Watertightness in open position	
20 Pa	
Wind resistance in closed position	
650 Pa	
Sound reduction D _{n,e,w} (C;Ctr) in open position	
26 (0;0) dB	
Sound reduction D _{n,e,w} (C;Ctr) in closed position	
45 (-1;-1) dB	
Glass reduction	
90 mm	
Height	
105 mm	
Fits to glass depths of	
24, 28, 33 mm	



THM90 24/28/33

AR75

Aluminium window flap ventilator

The ventilator is intended for installation on a glass. Shutter regulating works automatically depending on changes stream of flowing air. The adjustment follows by changing the cross-section of the gap through which air flows.

- Water tightness up to 650 Pa (in the closed position)
- Wind tightness up to 650 Pa (in the closed position)
- Sound insulation $D_{n,e,w}$ (C;Ctr):
 - in the open position: 27 (-1,-1) dB
 - in the closed position: 43 (-1,-1) dB

Air flow (at 2Pa):

AR75 SMALL - 53,7 m³/h/m

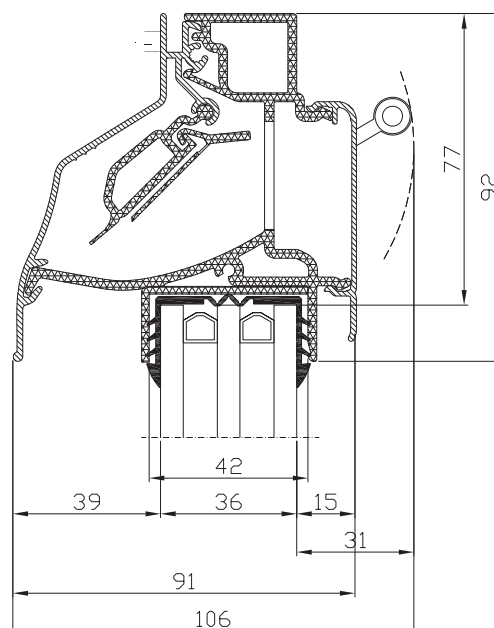
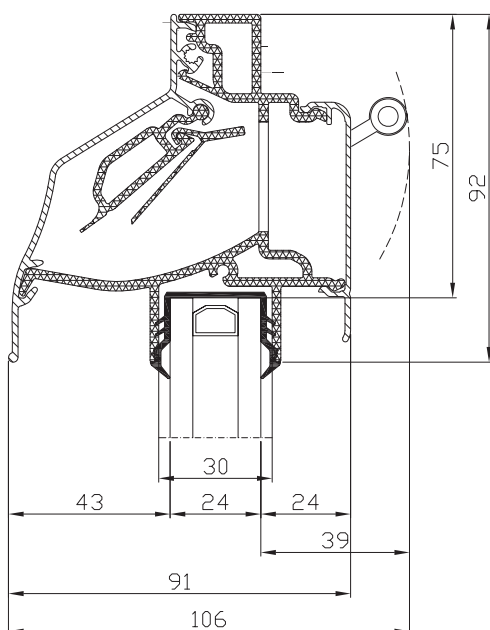
Ar75 MEDIUM - 67,1 m³/h/m

AR75 LARGE - 77,3 m³/h/m

AR75 XLARGE - 100,9 m³/h/m

Specifications:

- reduction of glass height: 75 mm (24/28/32 mm glazing), 77 mm (36/40 mm glazing),
- total height: 92 mm,
- maximum length: 2500 mm,
- thickness of glass packets: 20/24/28/32/36/40 mm,
- side tips: black (RAL9011), white (RAL9016),
- surface finish: F1 anodizing silver, all RAL colors.

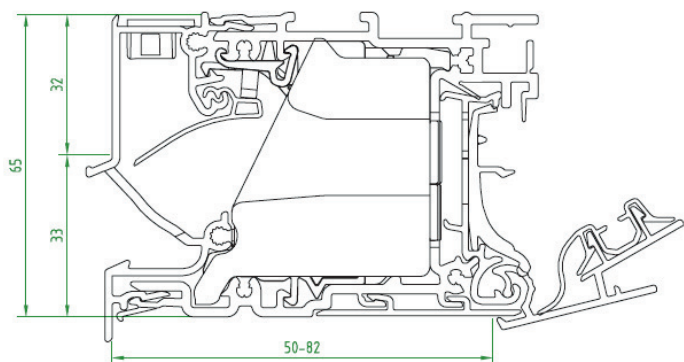


INVISIVENT AIR LIGHT

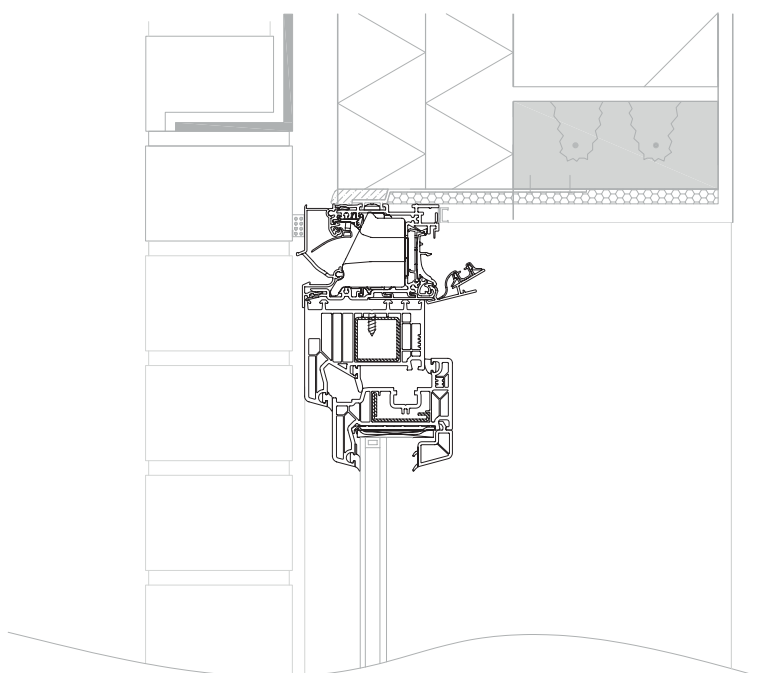
Aluminium - overframe flap ventilator

Modern, energy-efficient aluminum diffuser. It provides high acoustic attenuation thanks to the insulating material used. It is mounted on the window frame, on customer's request it can be made as two-color.

- Air flow 16,4 l/s/m. at 10 Pa
- Water and wind tightness up to 650 Pa in closed position
- Sound insulation in the open position 31 (-1;-2) dB
- Sound insulation in closed position 51 (-1;-3) dB



- Total height 65mm
- Endcaps: black (RAL9011) or white (RAL9016)



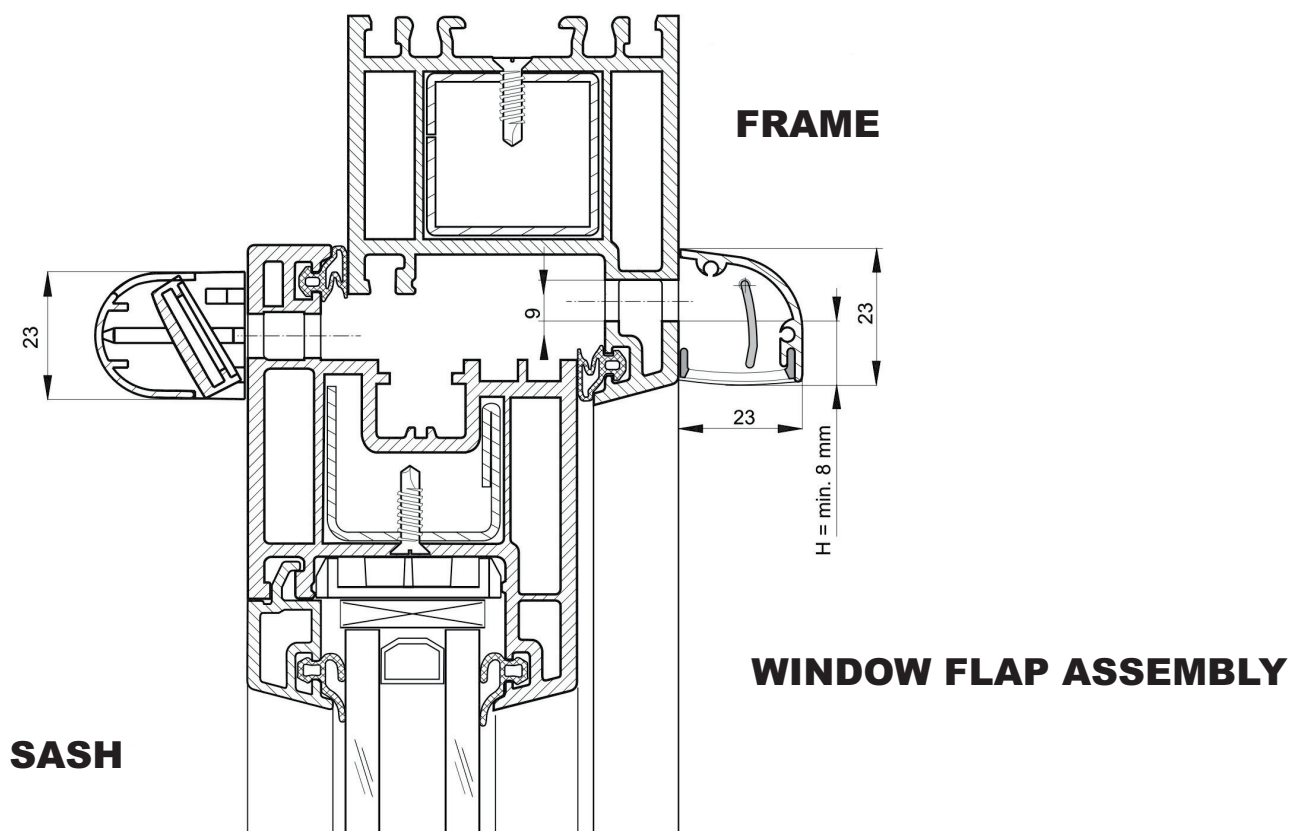
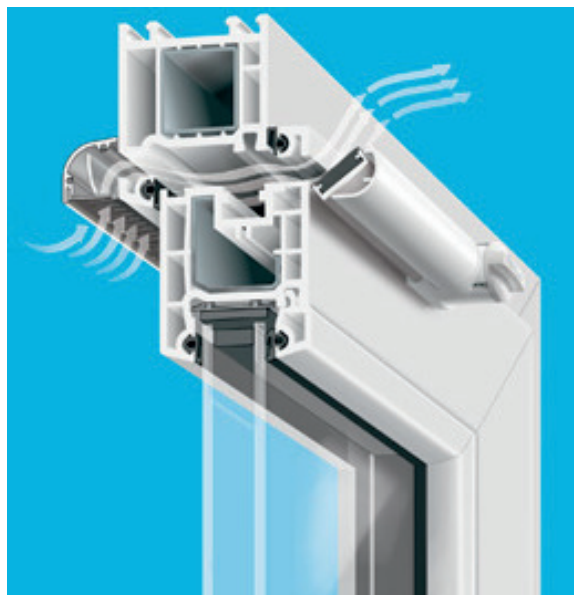
VENTAIR II TRDn

Aluminium - pressure window flap ventilator assembled in window rebate
Manual handling

- nominal flow 24 m³/h as 10 Pa
- sound insulation closed flap (infiltration 5 m³/h) : D_{nw} = 40 dB
- opened flap: D_{nw} = 34 dB
- tightness to rain water penetration 300Pa

Outside dimensions:

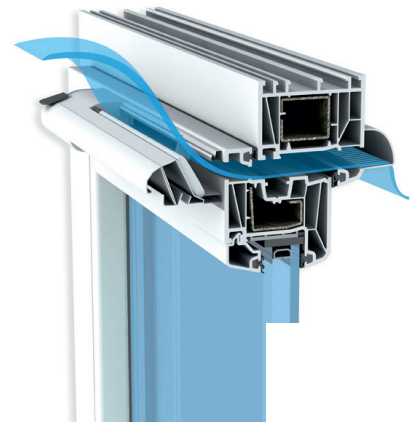
	Lenght	Height
Air intake	346	24
Regulator	395	23



EMM

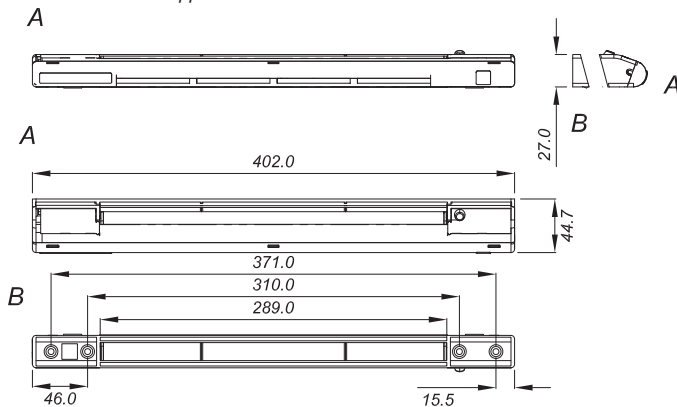
Humidity sensitive air ventilator

The ventilator operates in the range of 35 to 70% relative humidity. If the room humidity is less than or equal to 35% the air inlet is closed, a minimum air stream is supplied to the room. As the humidity increases, the air inlet opens and by a value of 70% or more achieves maximum efficiency.



- Air flow (min-max) at 10 Pa 6-30m³/h
- Acoustic damping with full opening of the air inlet with standard hood - 32 dB(A)
- Acoustic damping with full opening of the air inlet with an acoustic hood - 38 dB(A)

Humidity sensitive air ventilator EMM
A- ventilator
B- support



Color options:

RAL 9003

RAL 8017

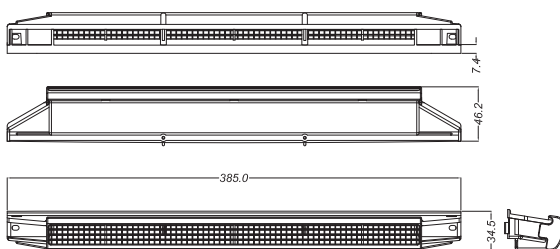
RAL 8001

RAL 7045

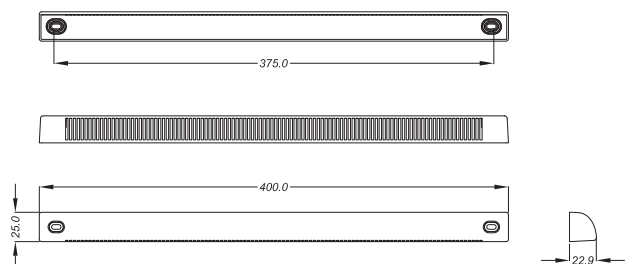
RAL 7016

- Three versions to choose from:
 1. with standard hood AB,
 2. with acoustic hood AD,
 3. with flat hood for roller shutter - AR.

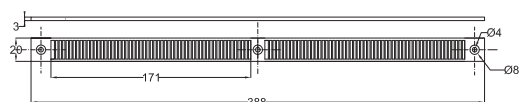
Acoustic hood



Standard hood



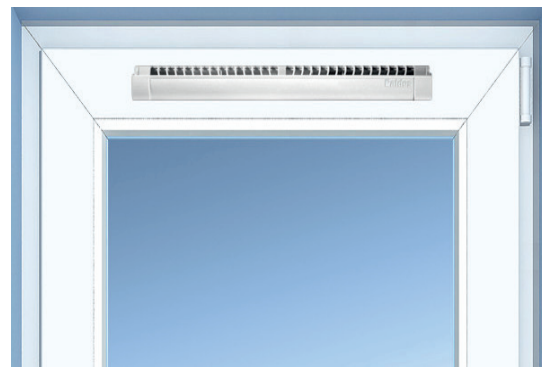
Flat hood for roller shutter



2MO

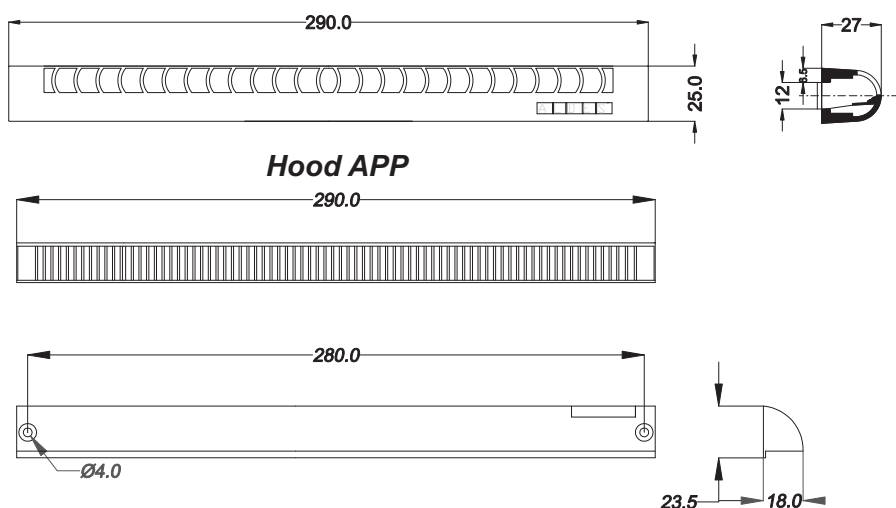
Pressure window ventilator

Self-regulating ventilator. The amount of air supplied depends on differential pressure inside and outside the room. This happens up to the level of the pressure difference at which the air inlet's efficiency reaches its value maximal. With further growth the wings diverge limited amount of air supplied. This situation can be caused by e.g. by a gust of wind. The user can close the aperture limiting the air flow to a minimum.



- Air flow (min-max) at 10 Pa 4-20m³/h
- Acoustic damping Dn,e,w when the ventilator is fully open - 33 dB(A)

Pressure ventilator 2MO (mini EMMA)



Color options:



VENTO RF

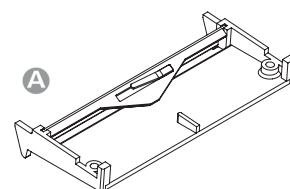
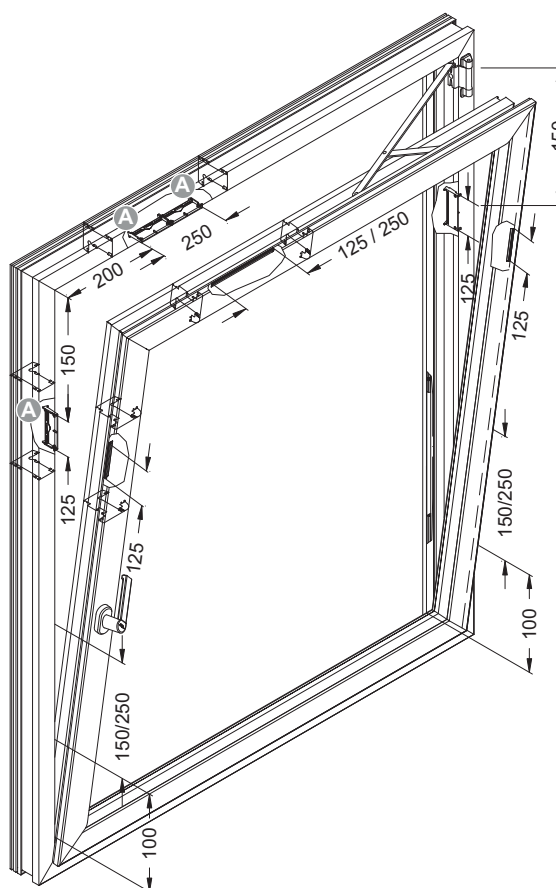
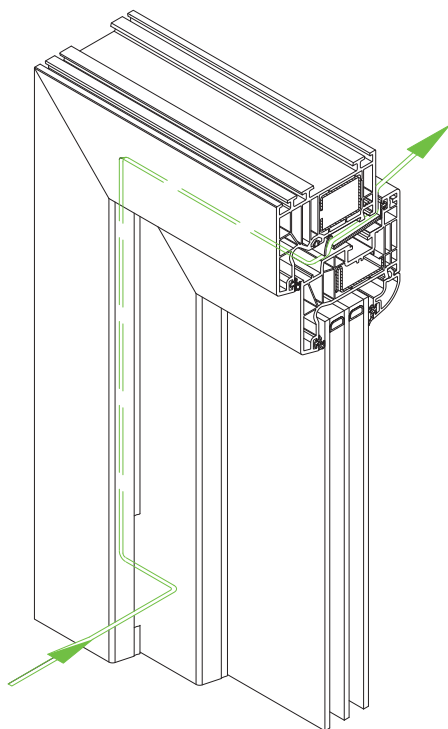
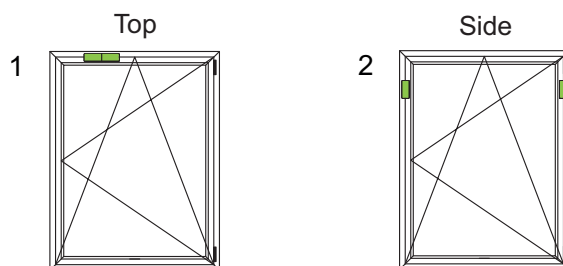
The Schüco Vento is a self-adjusting plastic window rebate with automatic flow rate limitation. Provides controlled air exchange and moisture removal without signs of drafts.

Air flow at $\Delta 8 \text{ Pa}$ 4,4 m³/h (for VENTO - Living MD)

Air flow at $\Delta 8 \text{ Pa}$ 6,0 m³/h (for VENTO - CT70)



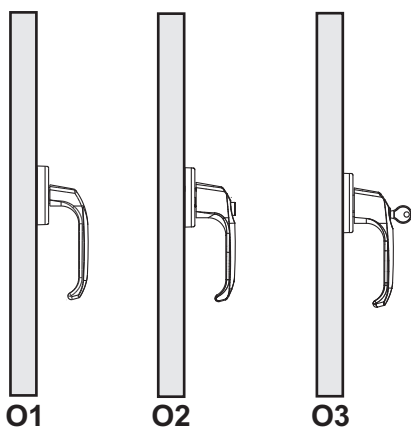
Mounting variants:



HANDLES & GRIPS

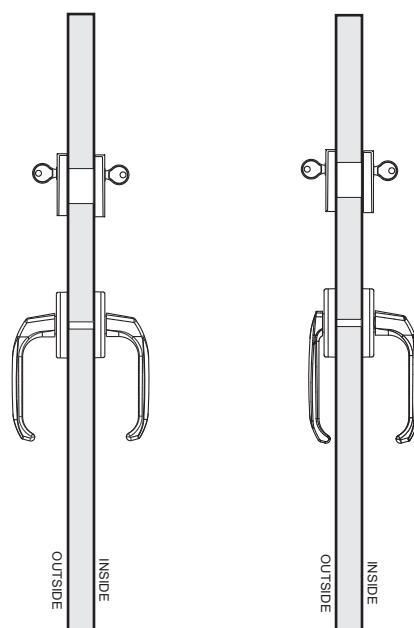


WINDOWS & BALCONS HANDLES



- 01 - STANDARD**
- 02 - WITH PUSH-BUTTON**
- 03 - WITH UNIVERSAL KEY**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



**TYPE 1005 KB
STANDARD**

**TYPE 1005 KBR
TO ROLLER BLIND**

WINDOWS HANDLES



STANDARD



WITH PUSH-BUTTON



WITH UNIVERSAL KEY



TYPE 1005 KB
DOUBLE-SIDED BALCONY DOORS HANDLES
+ YALE LOCK TYPE INSERTS' SHIELD
(TO PZ-TYPE BOLT MECHANISM)

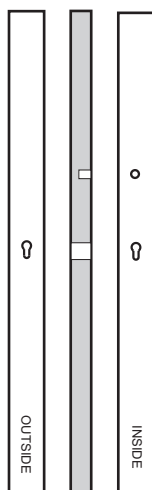
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4



TYPE 1005 KBR
DOUBLE-SIDED BALCONY DOORS HANDLES ROLLER
BLIND INSTALLATION + YALE LOCK TYPE INSERTS'
SHIELD (TO PZ-TYPE BOLT MECHANISM)

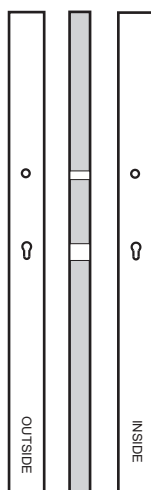
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4

DOORS HANDLES & GRIPS



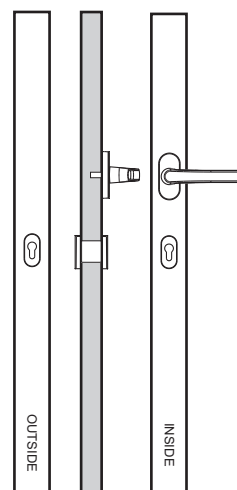
D1

ONLY HOLES !!!
AXLE HANDLE HOLE - INTERNAL ONLY.
DOUBLE-SIDED YALE LOCK TYPE INSERTS' HOLE



D2

ONLY HOLES !!!
DOUBLE-SIDED AXLE HANDLE HOLE,
DOUBLE-SIDED YALE LOCK TYPE INSERTS' HOLE



D3

PARTIAL HANDLE - INTERNAL ONLY
DOUBLE-SIDED YALE LOCK TYPE INSERTS' ON
SEPARATE SHIELD



TYPE 33PZ
YALE LOCK TYPE INSERTS' SHIELD - STANDARD

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



TYPE 33KZ-2
YALE LOCK TYPE INSERTS' SHIELD - ANTI-BURGLAR

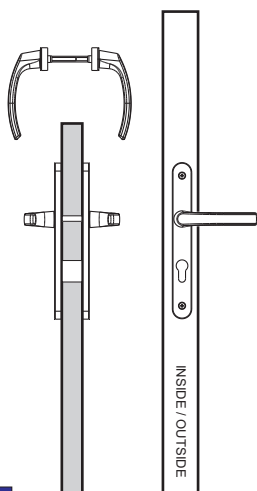
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



TYPE R32/1200
PARTIAL HANDLE

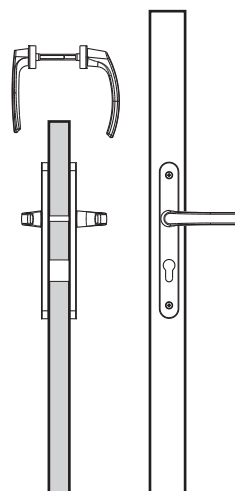
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F4, F9
STAINLESS STEEL

DOORS HANDLES & GRIPS



D4

DOUBLE-SIDED STANDARD DOOR HANDLE WITH LOCK



D5

DOUBLE-SIDED ROLLER DOOR HANDLE WITH LOCK



**TYPE JOWISZ
STANDARD**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019,
ANTHRACITE RAL 7016



**TYPE JOWISZ
DOUBLE-SIDED ROLLER DOOR HANDLE STANDARD**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019,
ANTHRACITE RAL 7016



**TYPE 32/1200
STANDARD**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



**TYPE 32R/1200
DOUBLE-SIDED ROLLER DOOR HANDLE WITH LOCK**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



**TYPE 35A/1200
ANTI-BURGLAR**

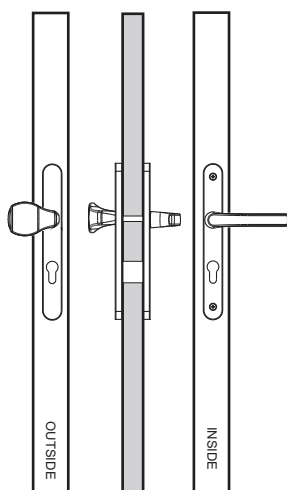
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



**TYPE 35A/1200 KZ
ANTI-BURGLAR WITH PROTECTION OF YALE LOCK TYPE INSERT**

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9

DOORS HANDLES & GRIPS



D6

INSIDE: STANDARD DOOR HANDLE WITH LOCK
OUTSIDE: DOOR HANDLE WITH GRIP ON SHIELD

STANDARD

ALUMINIUM - LAQUERED: WHITE RAL 9016,
BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



TYPE
35/1200 G

ANTI-BURGLAR

ALUMINIUM - LAQUERED: WHITE RAL 9016,
BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL - TYPE: G, P



TYPE
35A/1200 G

ANTI-BURGLAR WITH PROTECTION OF YALE LOCK TYPE INSERT

ALUMINIUM - LAQUERED: WHITE RAL 9016,
BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



TYPE
35A/1200 G KZ



TYPE
35/1200 P



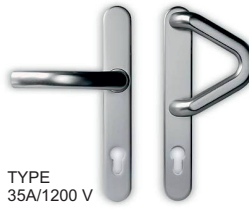
TYPE
35A/1200 P



TYPE
35A/1200 P KZ



TYPE
35/1200 V

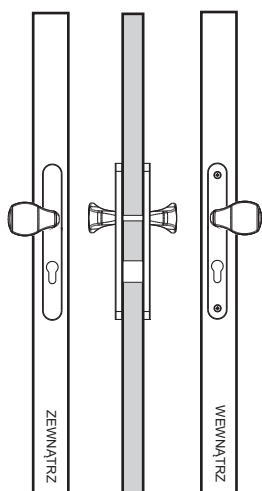


TYPE
35A/1200 V



TYPE
35/1200 L

DOORS HANDLES & GRIPS



D7

DOUBLE SIDED GRIP ON SHIELD

ALUMINIUM - LAQUERED: WHITE RAL 9016,
BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9



TYP 35 G



TYP 35 P

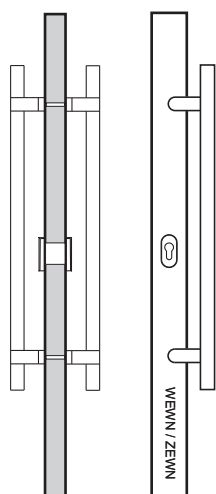


TYP 35 V



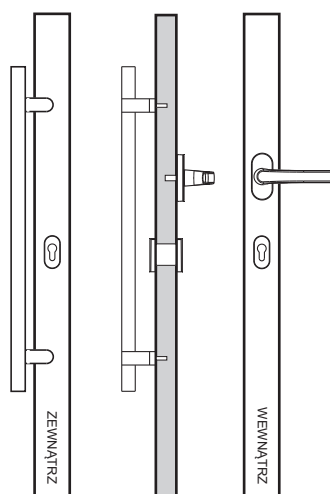
TYP 35 L

DOORS HANDLES & GRIPS



D8

**PIPE-GRIPS - DOUBLE SIDED,
YALE LOCK TYPE INSERTS' ON SEPARATE SHIELD
ON BOTH SIDES**



D9

**INSIDE: PARTIAL HANDLE
OUTSIDE: PIPE-GRIP
DOUBLE-SIDED: YALE LOCK TYPE INSERTS' ON SEPARATE SHIELD**



PIPE-GRIP - TYPE SS
DIMETER 32 mm
STAINLESS STEEL- type 1.4301 (304)
INSTALLATION AT AN ANGLE 45

**X=300 mm/ L=500 mm
X=600 mm/ L=800 mm
X=1000 mm/ L=1200 mm
X=1200 mm/ L=1600 mm**

X - PLACEMENT OF FIXING POINTS
L- TOTAL LENGHT

On request it is possible to use the doors handles
of acid-proof steel AISI 316.



TYPE 33PZ
YALE LOCK TYPE INSERTS' SHIELD - STANDARD

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



TYPE 33KZ-2
YALE LOCK TYPE INSERTS' SHIELD - ANTI-BURGLAR

ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



TYPE R32/1200
PARTIAL HANDLE

ALUMINIUM - LAQUERED: WHITE RAL 9016,
BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F4, F9
STAINLESS STEEL



ROUNDED GRIP - TYP WB
DIMETER 32 mm
STAINLESS STEEL- type 1.4301 (304)
INSTALLATION AT AN ANGLE 45

**X=300 mm/ L=519 mm
X=560 mm/ L=802 mm**

X - PLACEMENT OF FIXING POINTS
L- TOTAL LENGHT



RECTANGLE GRIP - TYPE PR
DIMENSIONS 40/20 mm
STAINLESS STEEL - type 1.4301 (304)
NSTALATION AT AN ANGLE 45

**ℓ=300 mm/ L=500 mm
ℓ=600 mm/ L=800 mm
ℓ=1000 mm/ L=1200 mm
ℓ=1200 mm/ L=1600 mm**

DOORS HANDLES

SELECTION, USE, MAINTENANCE, GUARANTEE

SELECTION OF STAINLESS STEEL:

It is very important to select proper grade of stainless steel for the environment in which the handle will be used :

- **AISI 304:** it has anti-corrosion properties, resistant to normal conditions of use.
- **AISI 316:** acid-proof steel, containing molybdenum, which improves anti-corrosion properties. It is intended for heavily polluted or aggressive environments such as: industrial areas, coastal zones, swimming pools, rooms with high humidity and temperature, in which it is subjected to chemical agents, i.e. salts, acids and high temperatures.

Our doors handles are made of AISI 304 steel as standard.

At the customer's request, we can use AISI 316 steel handle (selected models).

MAINTENANCE OF STAINLESS STEEL HANDLES :

Stainless steel handles are exposed to environmental pollutions, therefore on the surface of a handle may appear tarnish and discoloration looking like a rust. In order to keep the attractive look of the handle, we recommend regular cleaning and maintenance.

CLEANING:

Use special products designed for cleaning stainless steel.

We propose INOX CLEANER preparation - removes dirt and maintains the surface made of stainless steel.

The preparation does not cause damage and discoloration.

WARNING! Never use for cleaning:

- strong powders or product with surface active properties (with the content of chlorides, acids, etc.)
- sharp cleaning materials (sandpaper, rough brushes) that can scratch or permanently damage surfaces.



Proper use and maintenance of stainless steel handles ensures aesthetic appearance and guarantees long-term use!

TERMS OF WARRANTY:

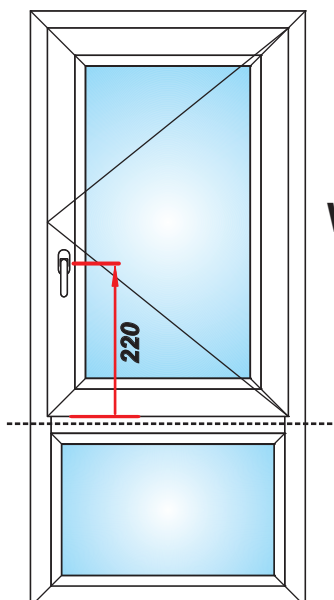
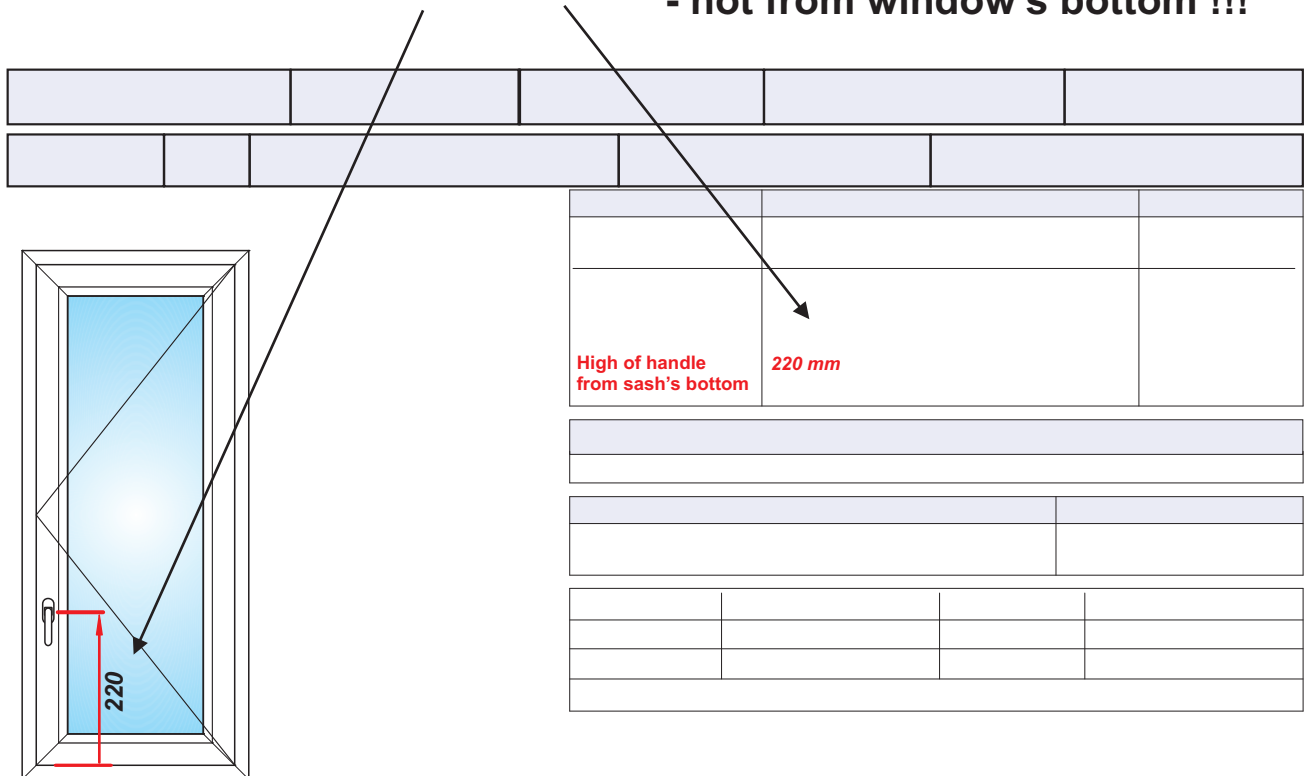
Lastrik company gives a 12-month warranty on stainless steel products, provided it complies with recommendations for the installation and operation of the product and compliance with the maintenance rules described in the instructions.

The warranty does not cover mechanical damages, natural wear and use of the product not in accordance with its intended use.

**We produce windows with handle down in several sizes:
Accessible heights : 190, 283, 433, 533, 583 mm.**

ATTENTION !

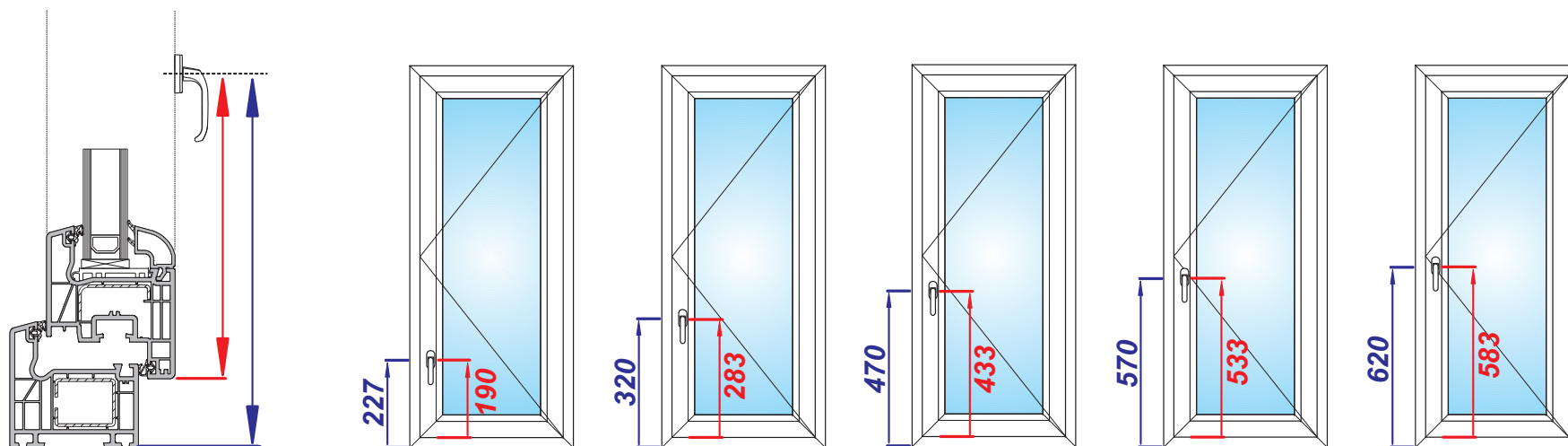
In WinPro drawings the handle is measured from the sash's bottom - not from window's bottom !!!



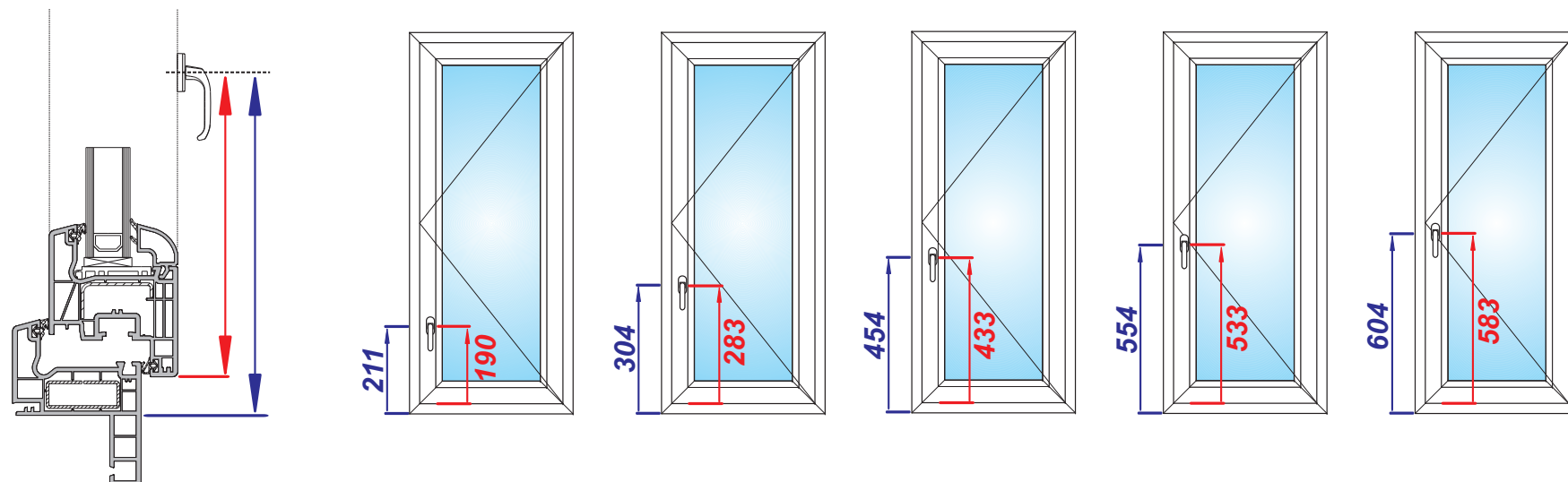
Window with horizontal bar

- height of handle measured from the sash's bottom
- not from window's bottom !!!
- not from the top of bar's axle !!!

EXEMPLARY HEIGHTS OF DOWN HANDLES FOR STANDARD FRAME 8865 (CT70) 9411 (LIVING)



EXEMPLARY HEIGHTS OF DOWN HANDLES FOR RENOVATE FRAME 8899 I 9011 (CT70)





MODERNITY SERIES



SN-230



SN-240



SN-260



SN-330



SN-340



SN-360



SN-410



SN-420



SN-424



SN-432



SN-436



SN-440



SN-450



SN-452



SN-484

Colors, glass patterns, pulls in the pictures are just a suggestion.
When placing orders, please provide all details.

MODERNITY SERIES



SN-510



SN-512



SN-514



SN-516



SN-524



SN-532



SN-536



SN-540



SN-546



SN-598



SN-610



SN-612



SN-626



SN-632



SN-640

Colors, glass patterns, pulls in the pictures are just a suggestion.
When placing orders, please provide all details.

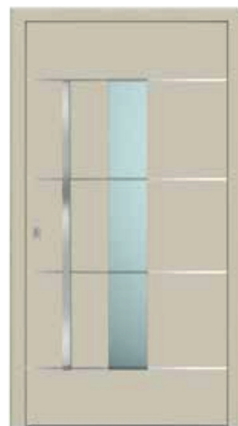
PRESTIGE SERIES



SN-642



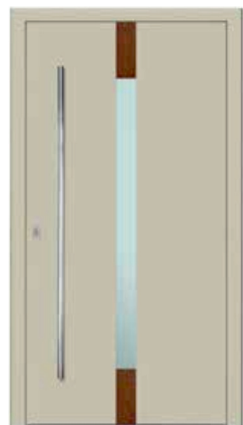
SP-410F



SP-411F



SP-412F



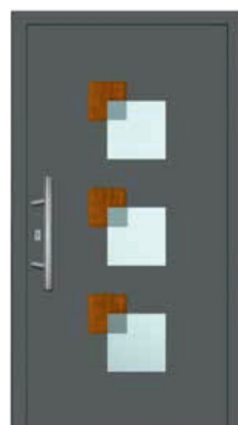
SP-412F/1



SP-420F



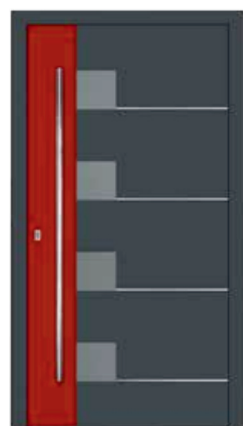
SP-426F



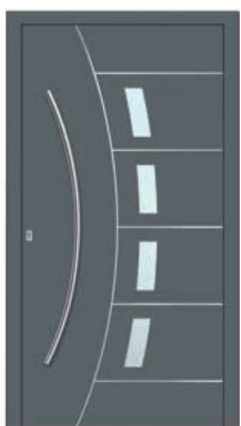
SP-430F/1



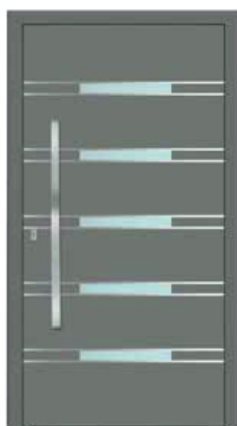
SP-440F



SP-441F



SP-446F



SP-450F



SP-480F



SP-490F

Colors, glass patterns, pulls in the pictures are just a suggestion.
When placing orders, please provide all details.

CLASSIC SERIES



SK-1



SK-2



SK-3



SK-4



SK-4/1



SK-5



SK-6



SK-7



SK-8



SK-9



SK-10



SK-11



SK-12



SK-13

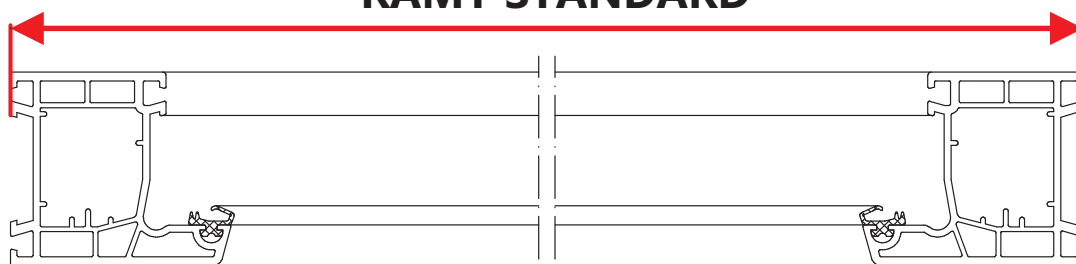


SK-14

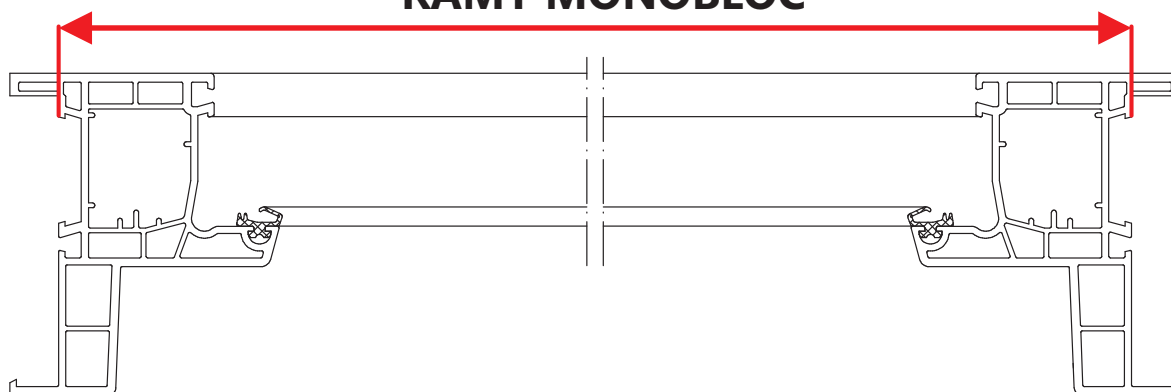
Colors, glass patterns, pulls in the pictures are just a suggestion.
When placing orders, please provide all details.

**PLEASE FOLLOW THESE RULES WHEN PLACING ORDERS.
ALL PRODUCTION DRAWINGS INFER THAT MEASUREMENTS
WERE MADE ACCORDING TO THESE RULES.**

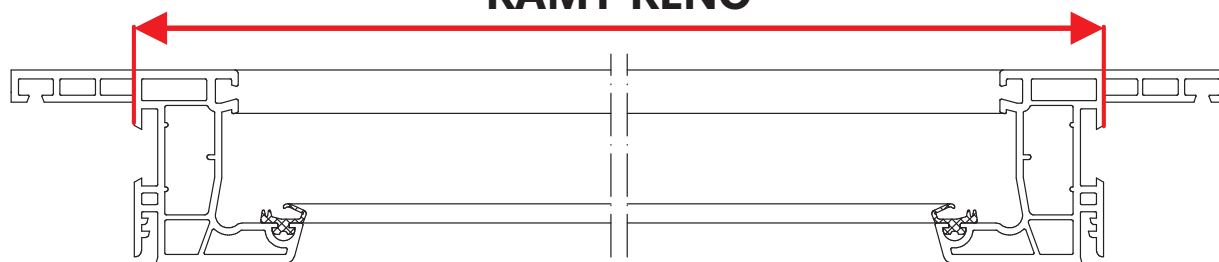
RAMY STANDARD








RAMY MONOBLOC



RAMY RENO



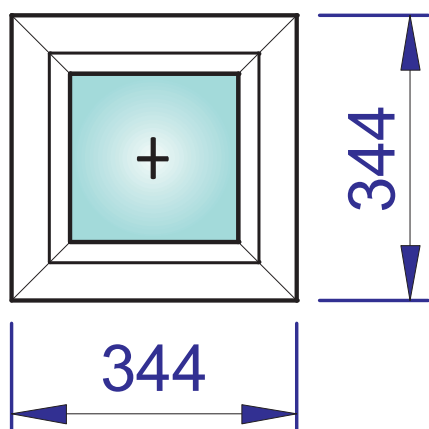
MAXIMUM AREAS AND DIMENSIONS FOR WINDOWS AND PSK

Maximale Flächen und Stablängen je Elementtyp Maximum areas and bar lengths for each unit type					
		1-teilig 1-part	2-teilig 2-part	3- und mehrteilig 3-part and multi-part	PSK
Maximale Fläche des Elements Maximum area of the unit	weiß White	7,0 m ²			
	foliert Foiled	5,0 m ²			6,0 m ²
Maximale Stablänge Blendrahmen Maximum bar length of outer frame	weiß White	4,0 m			
	foliert Foiled	2,6 m	2,8 m	3,0 m	4,0 m
Maximale Stablänge T-Profil* Maximum bar length of T-profile	weiß White	4,0 m			
	foliert Foiled	2,5 m			
					

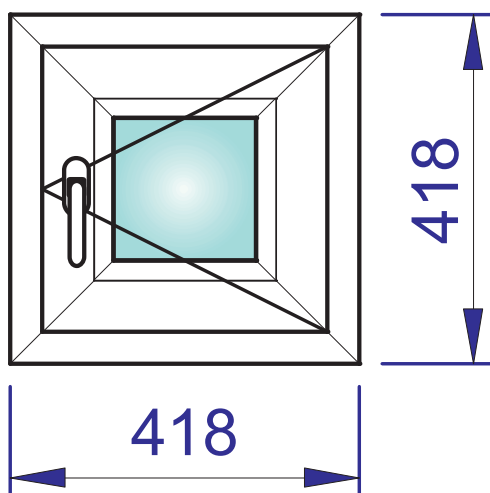
* T-Profil als Pfosten oder Riegel einsetzbar

* T-profile can be used as mullion or transom

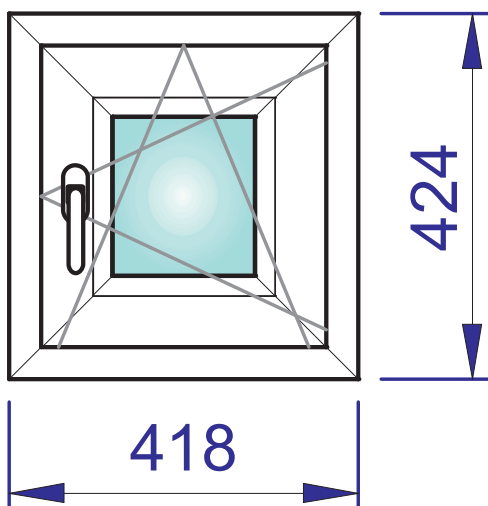
MINIMAL DIMENSIONS OF WINDOWS



FIX



R



RU

SPACERS FOR INSULATING GLASS

PCV Chromatech Ultra



Black, similar to RAL 9004



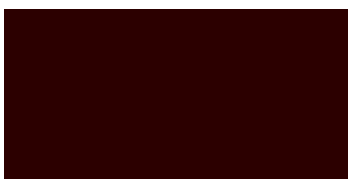
Grey, similar to RAL 7035



Grey, similar to RAL 7040



Brown, similar to RAL 8003



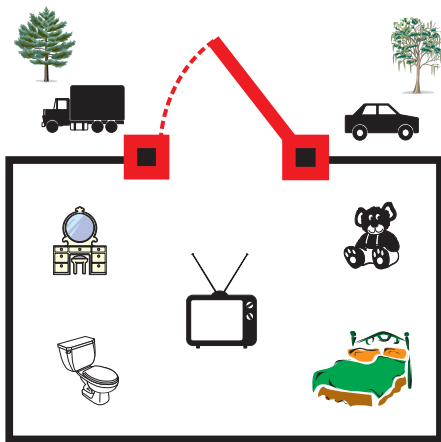
Brown, similar to RAL 8016

DOOR OPENING GUIDE

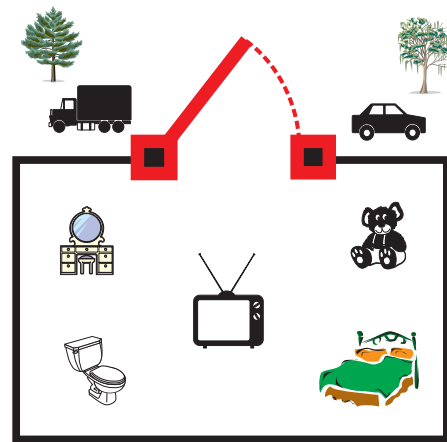
PLEASE USE IT WHEN ORDERING



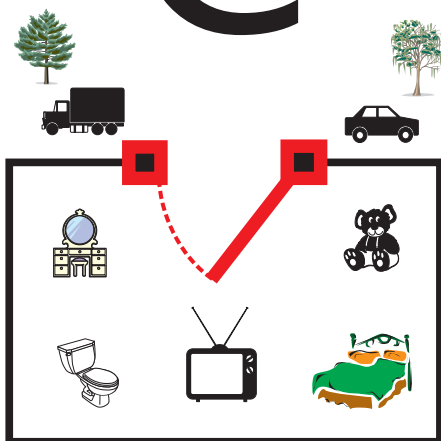
A



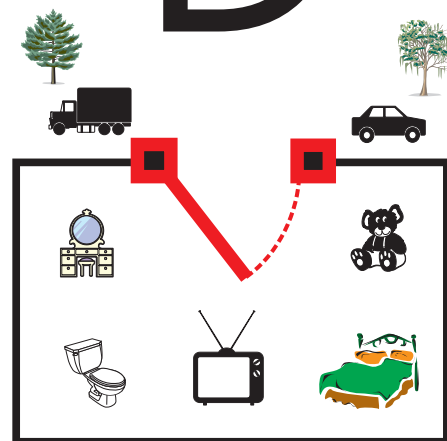
B



C



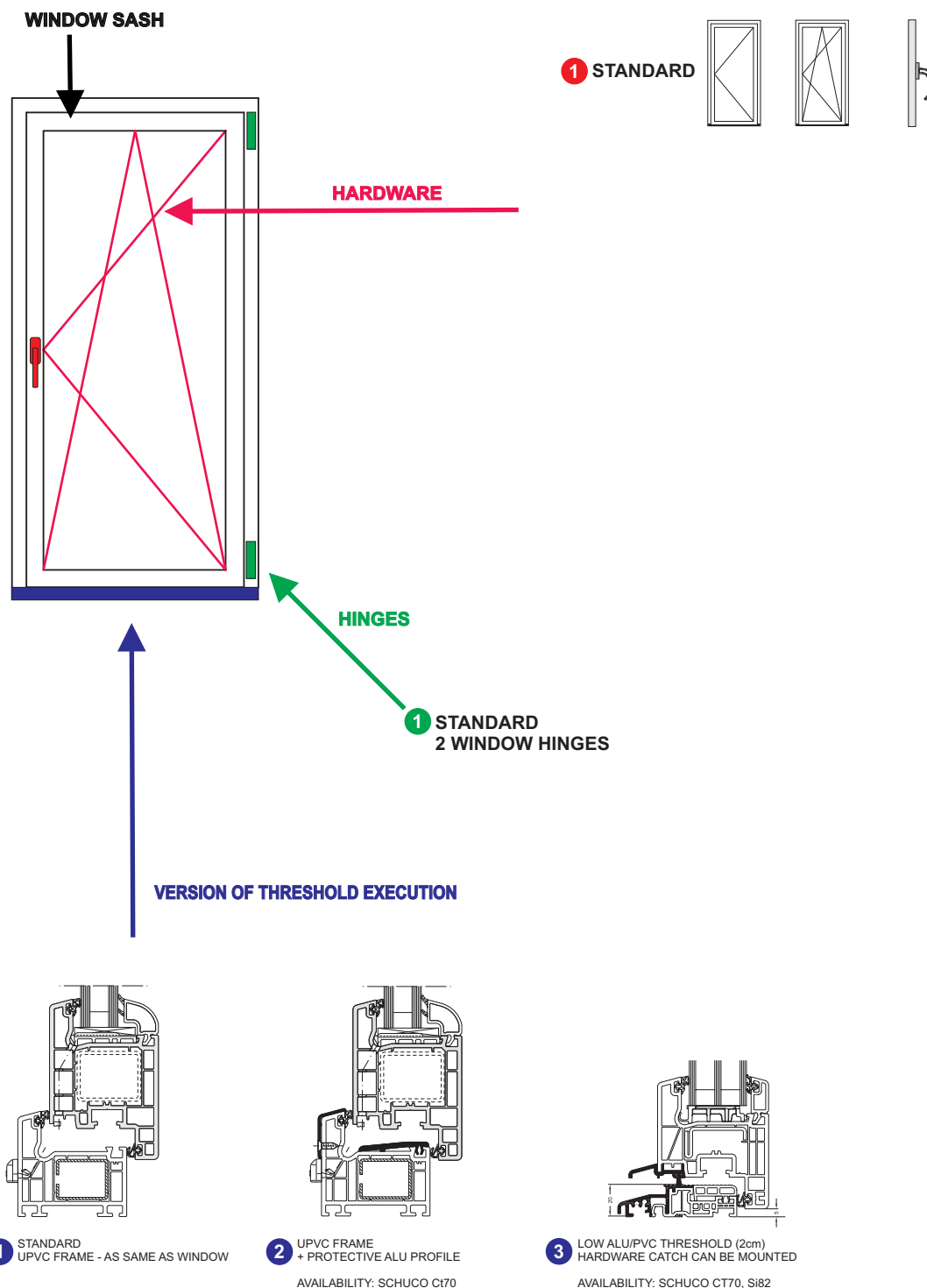
D



- A - OUTWARD - GOING DOORS WITH HINGES LEFT SIDE
- B - OUTWARD - GOING DOORS WITH HINGES RIGHT SIDE
- C - INWARD - GOING DOORS WITH HINGES RIGHT SIDE
- D - INWARD - GOING DOORS WITH HINGES LEFT SIDE

BALCONY DOOR - INWARD GOING

PLEASE USE IT WHEN ORDERING



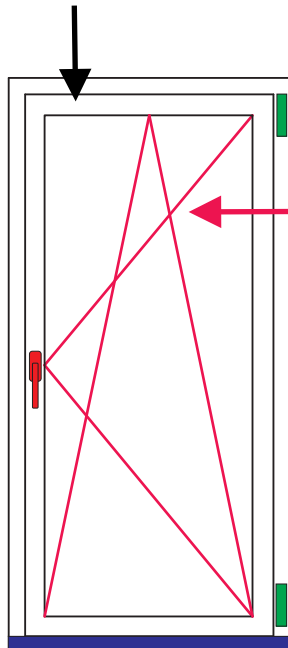
CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

TERRACE DOOR - INWARD GOING

PLEASE USE IT WHEN ORDERING



„INDIRECT” SASH - WIDER THAN WINDOW SASH

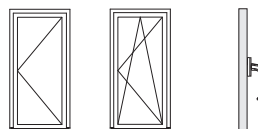


HARDWARE

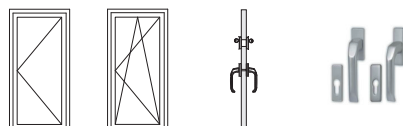
HINGES

VERSION OF THRESHOLD EXECUTION

1 STANDARD

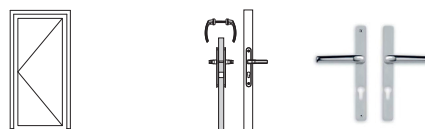


2 PZ



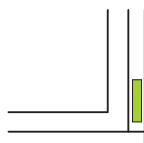
CREMONE BOLT WITH DOUBLE-SIDED HANDLE
+ DOUBLE-SIDED YALE LOCK

3 SECURY R4

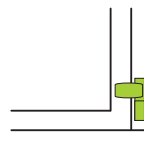


DOUBLE DOOR BOLT
5 - POINT LOCKING (4 CAMS + 1 LOCK)

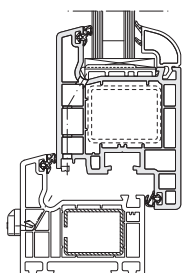
1 STANDARD
2 WINDOW HINGES



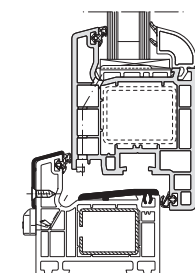
2 FH110
2 DOOR HINGES - SMALL



1 STANDARD
UPVC FRAME - AS SAME AS WINDOW

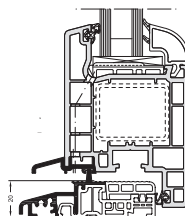


2 UPVC FRAME
+ PROTECTIVE ALU PROFILE



AVAILABILITY: SCHUCO CT70

3 LOW ALU/PVC THRESHOLD (2cm)
HARDWARE CATCH CAN BE MOUNTED



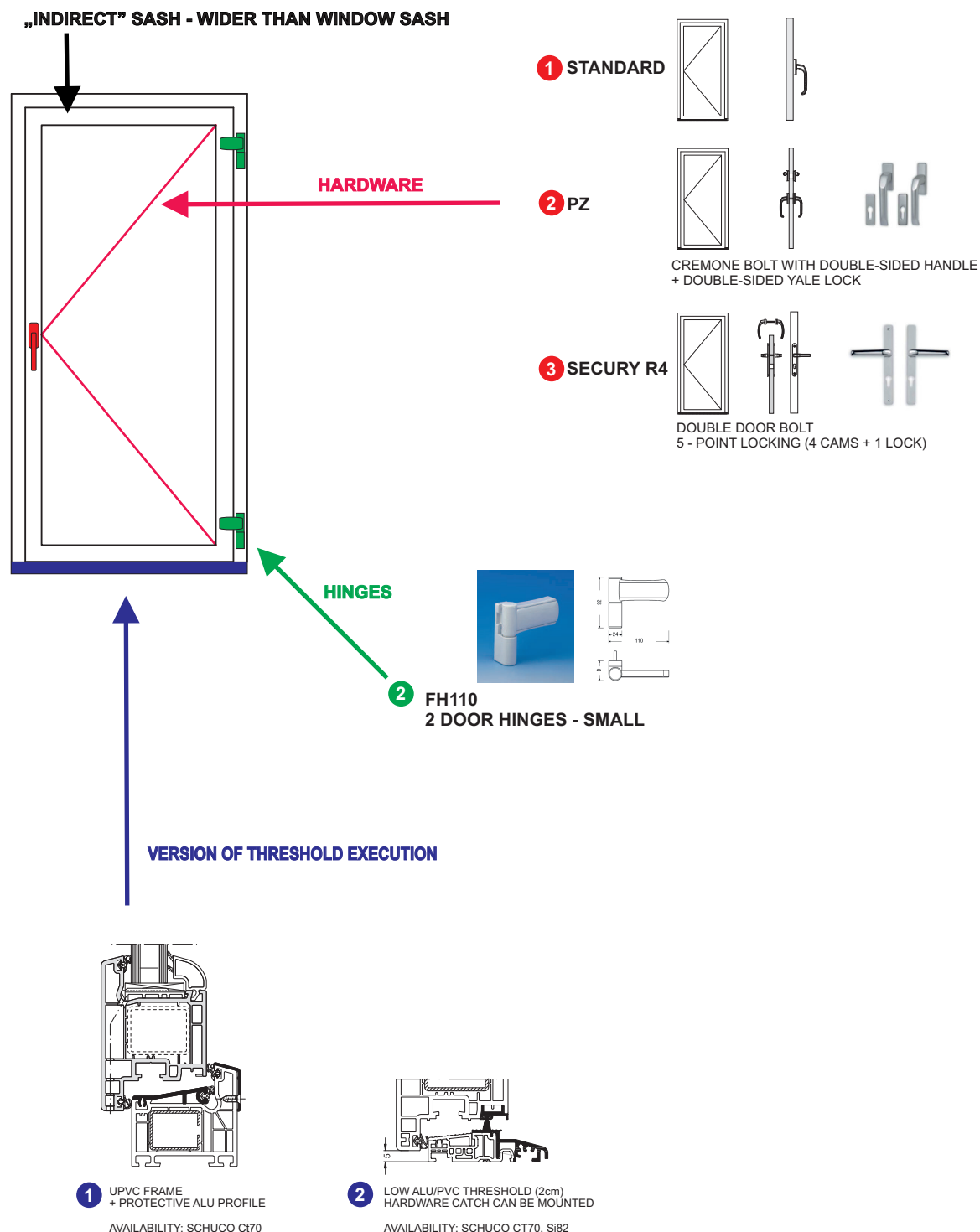
AVAILABILITY: SCHUCO CT70, SI82

CAUTION !

PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

TERRACE DOOR - OUTWARD GOING

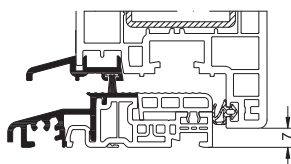
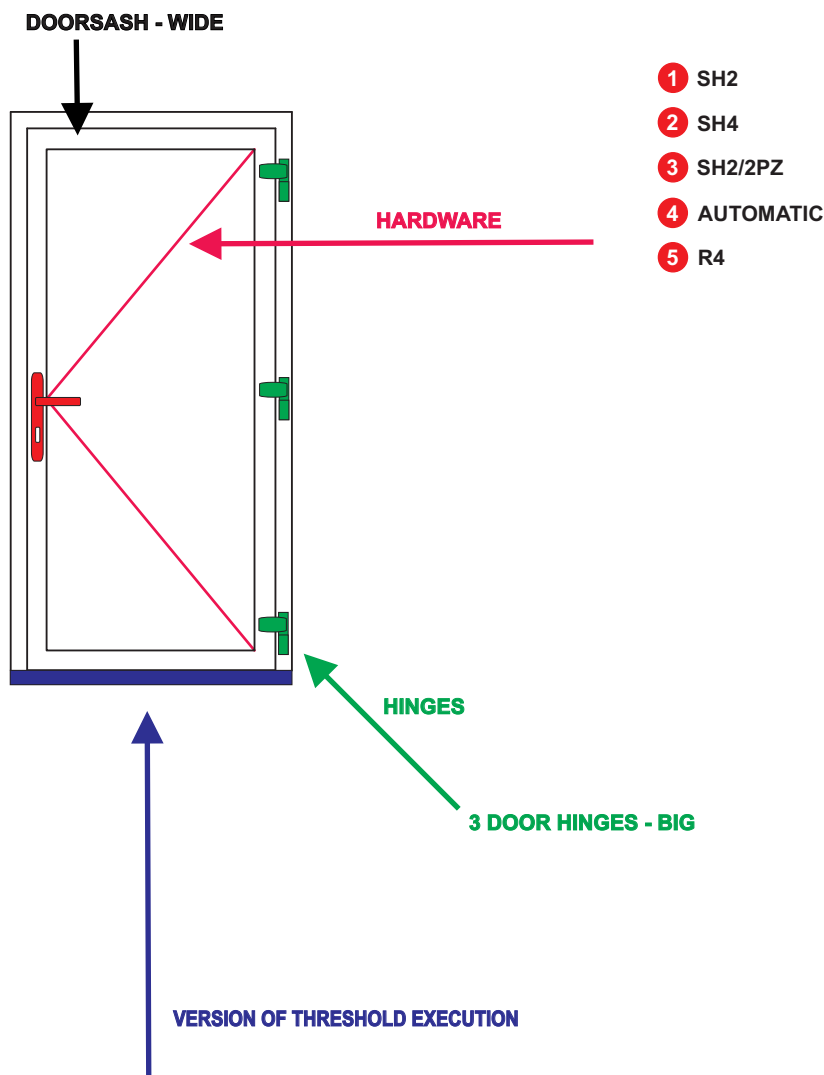
PLEASE USE IT WHEN ORDERING



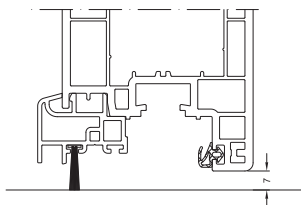
CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE
WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED
IN QUOTATIONS.

ENTRANCE DOOR - INWARD GOING

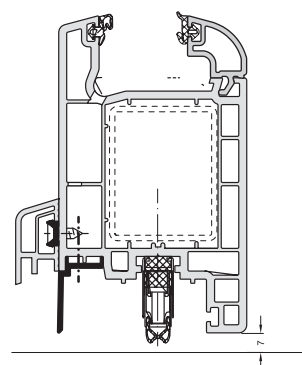
PLEASE USE IT WHEN ORDERING



1 LOW ALU/PVC THRESHOLD (2cm)
AVAILABILITY: SCHUCO CT70



2 NO THRESHOLD

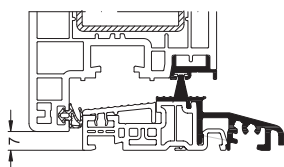
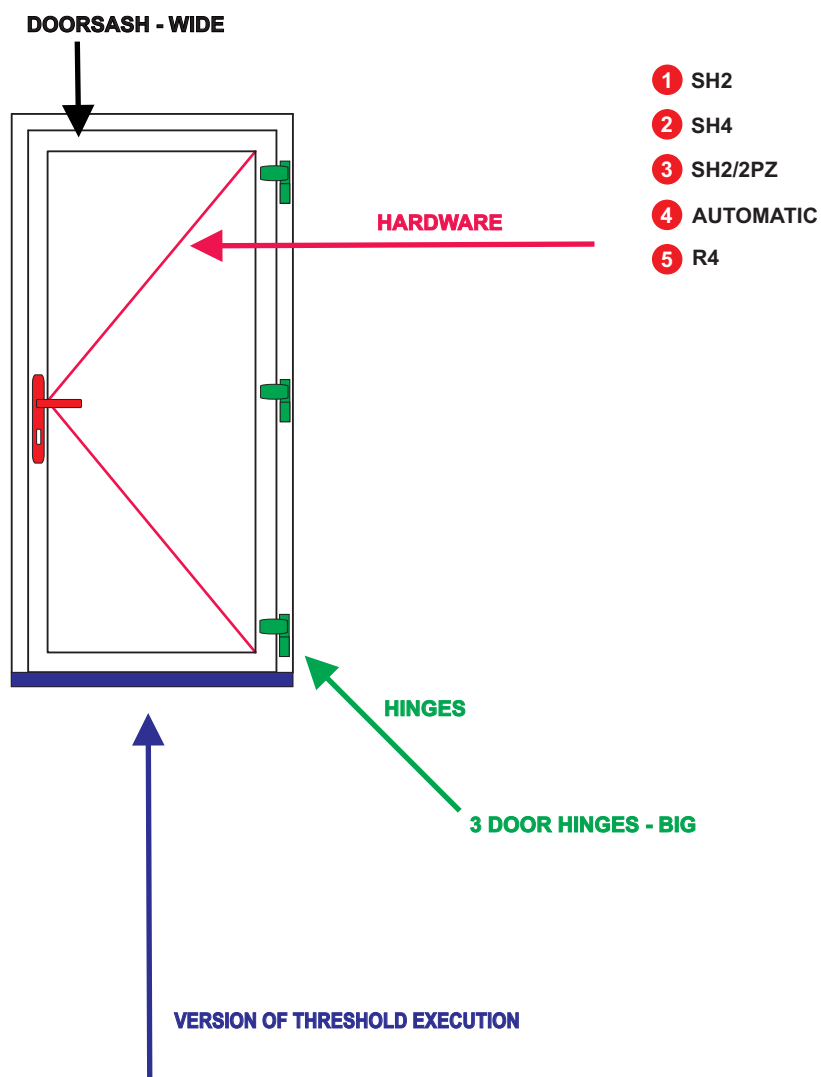


3 NO THRESHOLD - FINSEAL BRUSH

CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

ENTRANCE DOOR - OUTWARD GOING

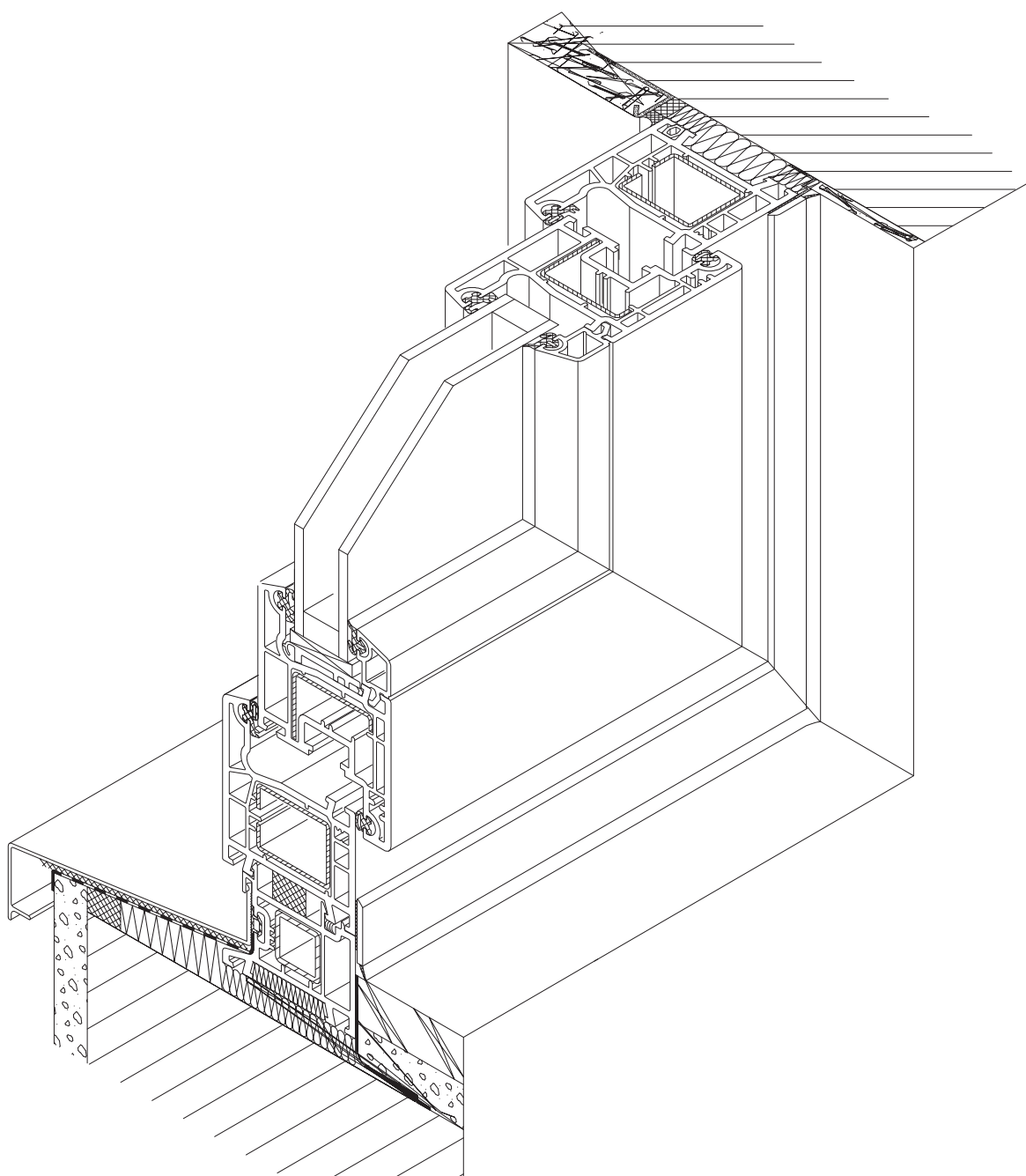
PLEASE USE IT WHEN ORDERING



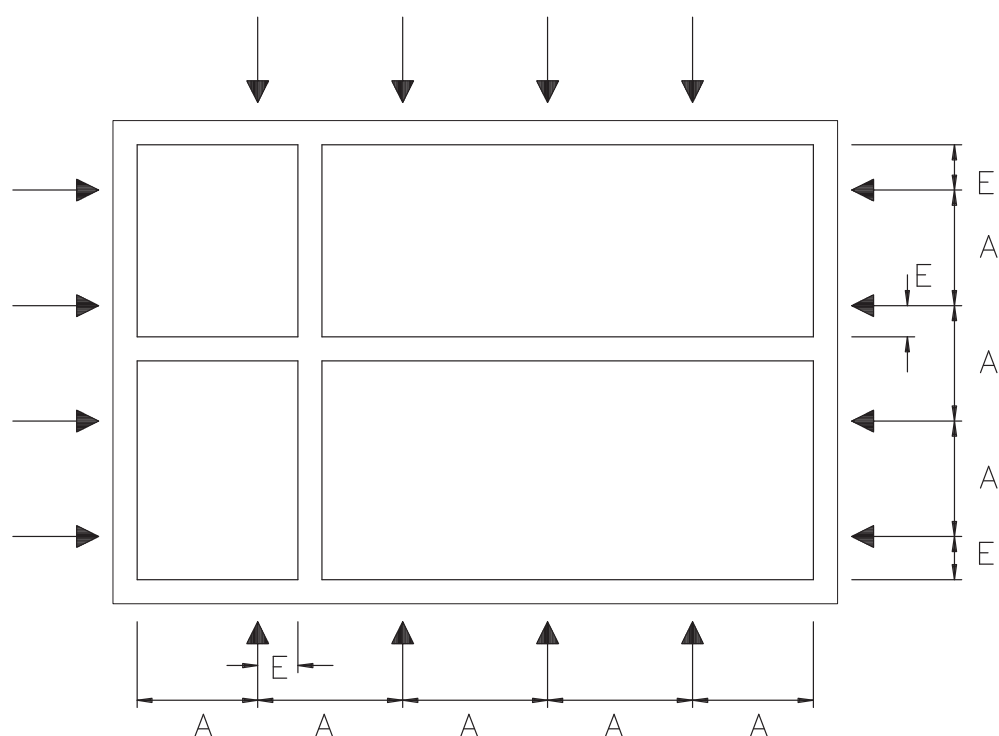
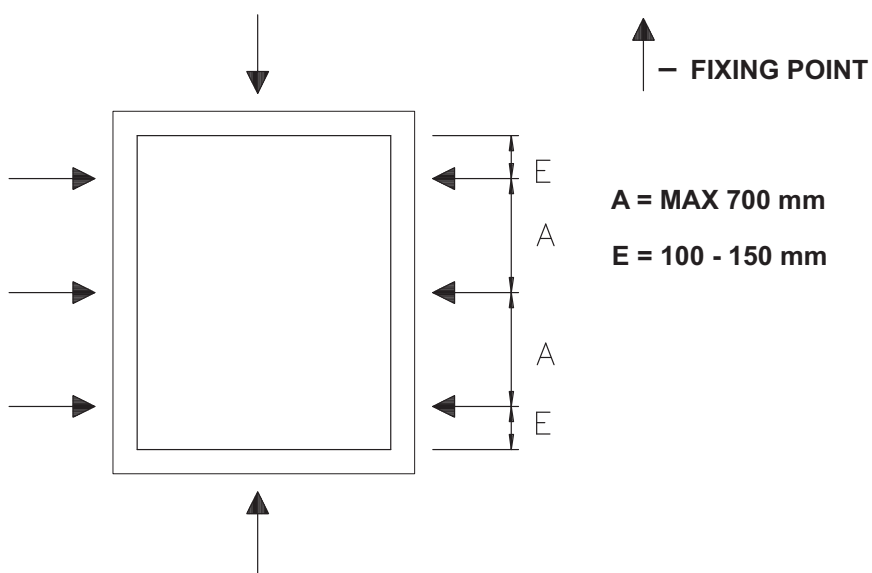
- 1 LOW ALU/PVC THRESHOLD (2cm)
AVAILABILITY: SCHUCO CT70

CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

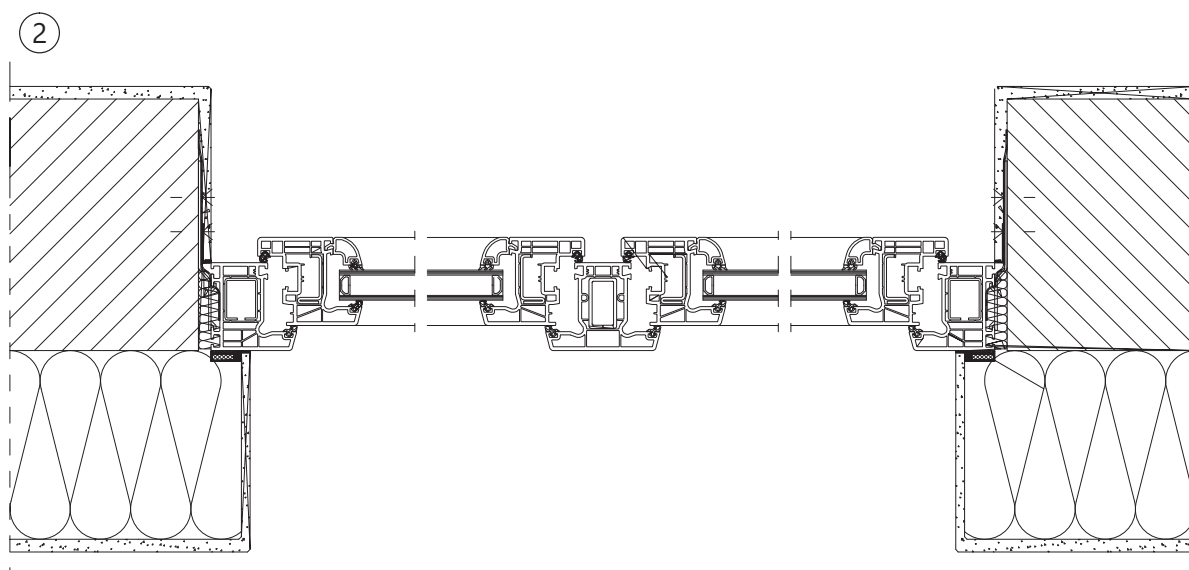
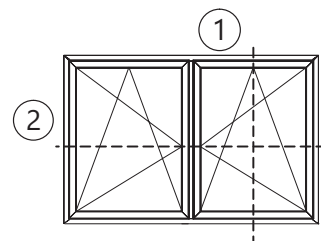
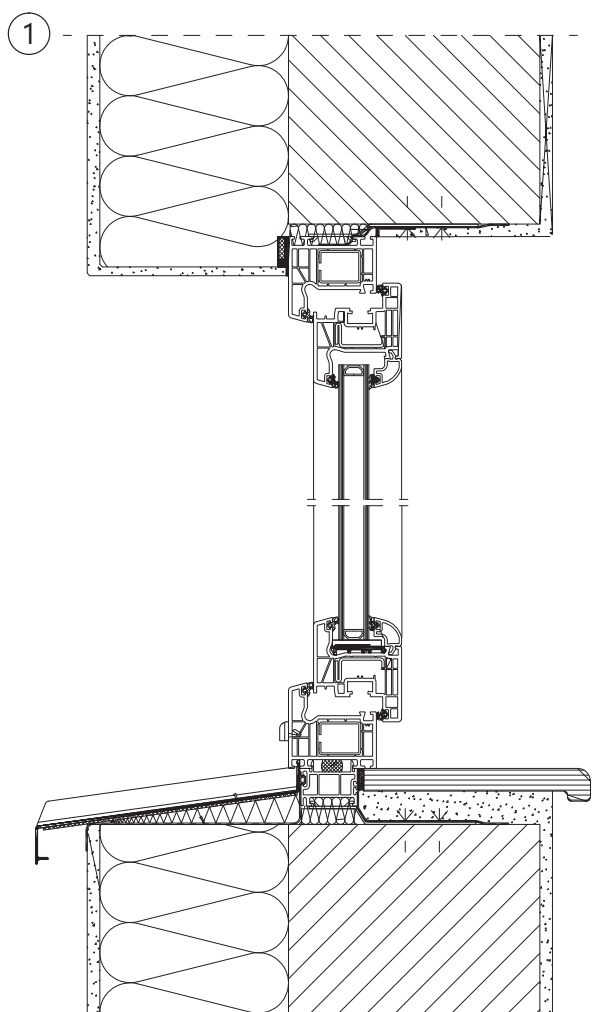
BASIC INSTALLATION GUIDE



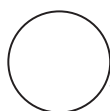
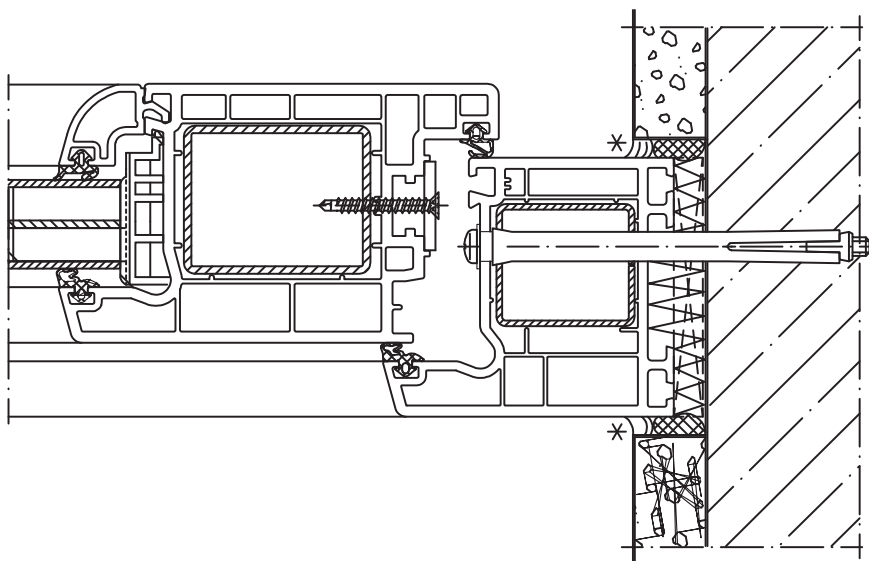
PLACEMENT OF FIXING POINTS



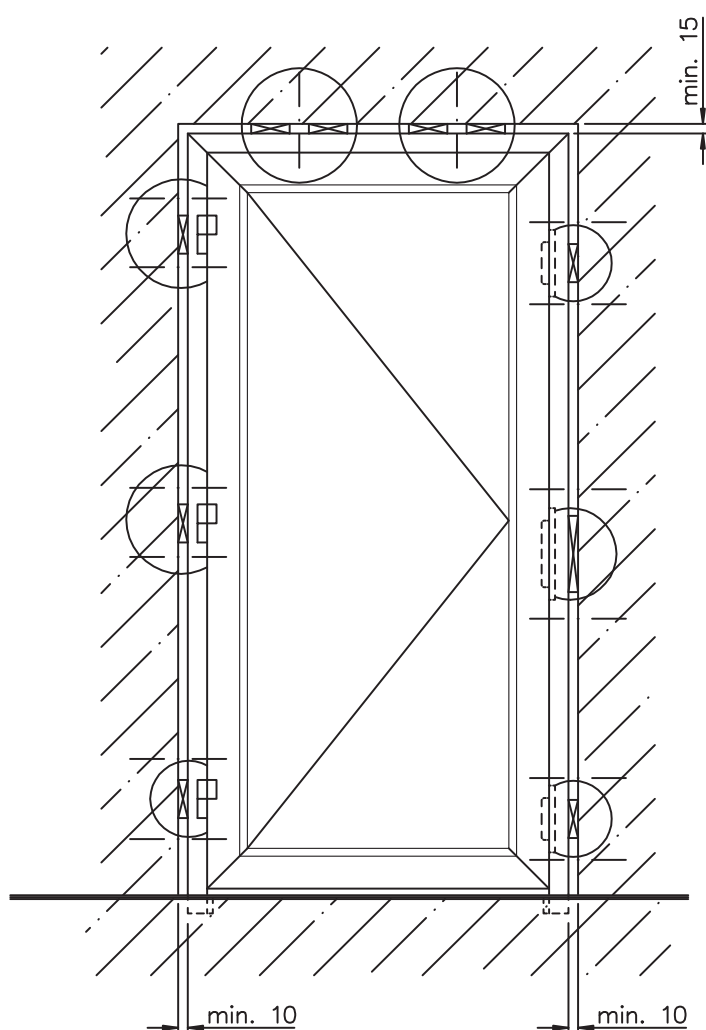
CROSS-SECTIONS OF INSTALLATION POINTS



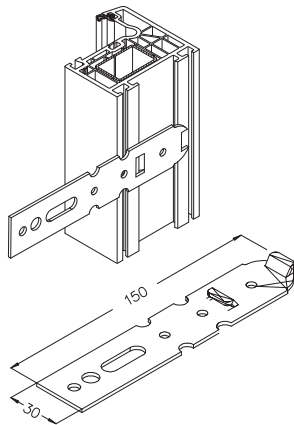
INSTALLATION USING ANCHOR PEGS (SCREWS)



PEG INSTALLATION POINT PLACEMENT



INSTALLATION USING FLAT ANCHORS & PEGS



ZINC-COATED FLAT ANCHOR

