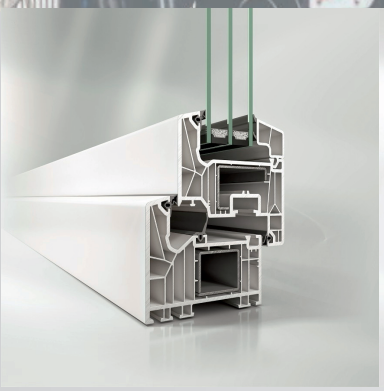
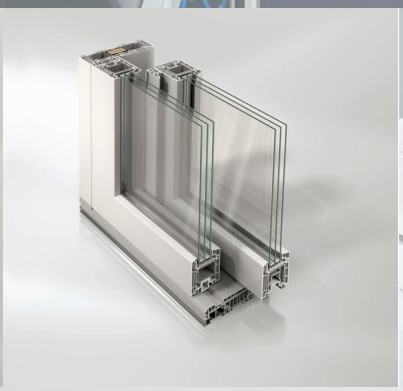
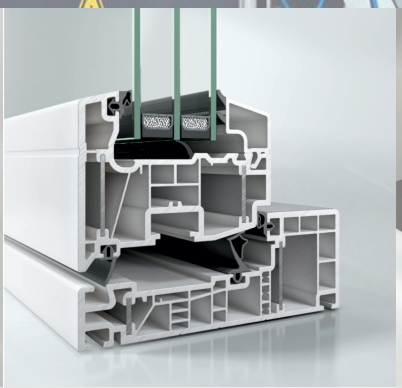
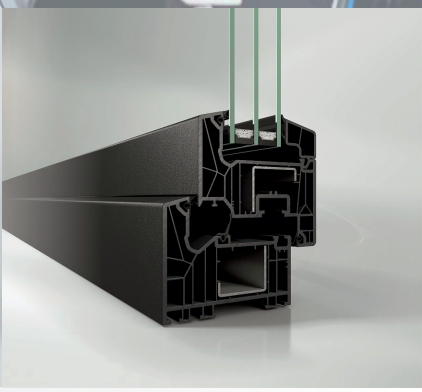
LASTRIK

FABRYKA OKIEN I DRZWI
Z PCV I ALUMINIUM

TECHNICAL CATALOGUE

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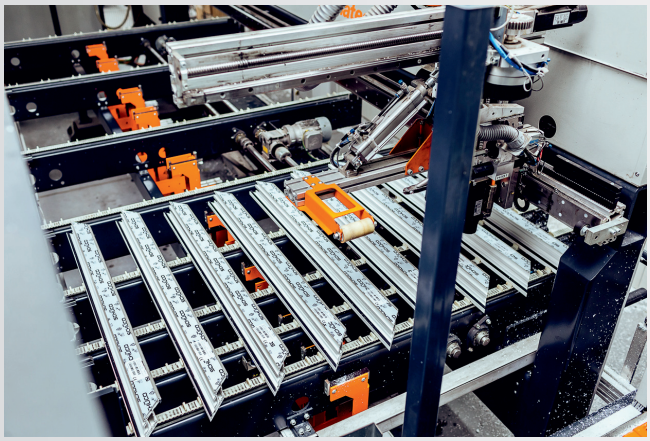
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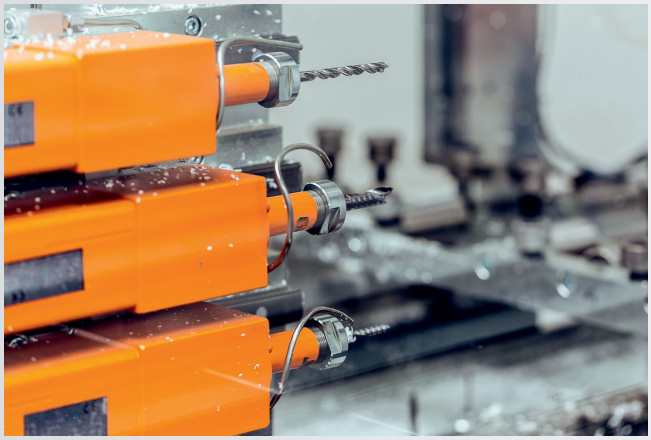
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ABOUT US







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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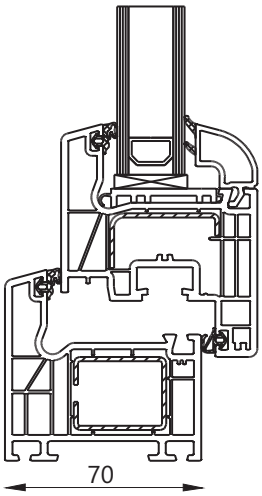
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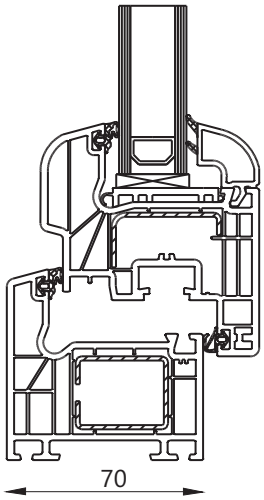
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fax. (94) 3402814
fax. (94) 7107968

PCV WINDOWS

SYSTEMS OVERVIEW

SCHÜCO

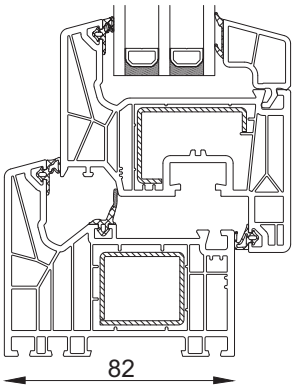


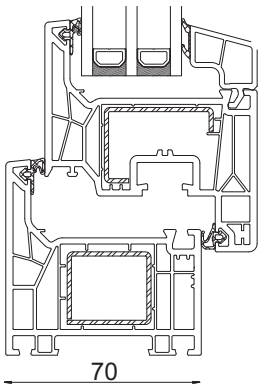


CLASSIC RONDO

CT 70

5 - CELL 2- GASKET U = 1,38





CLASSIC MD

LIVING 82

3- GASKET U = 0,96 7 - CELL

CLASSIC

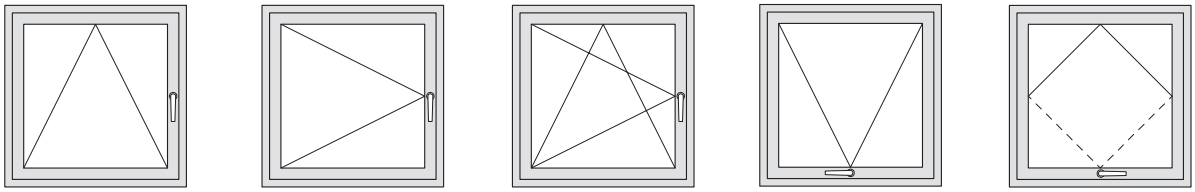
FOCUSING

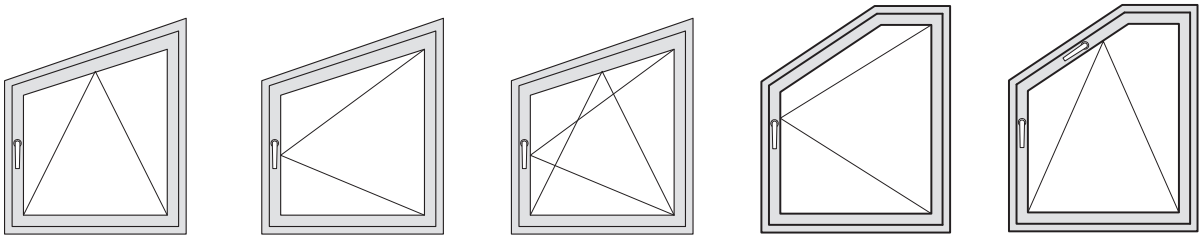
2- GASKET U = 1,1 5/6 - CELL

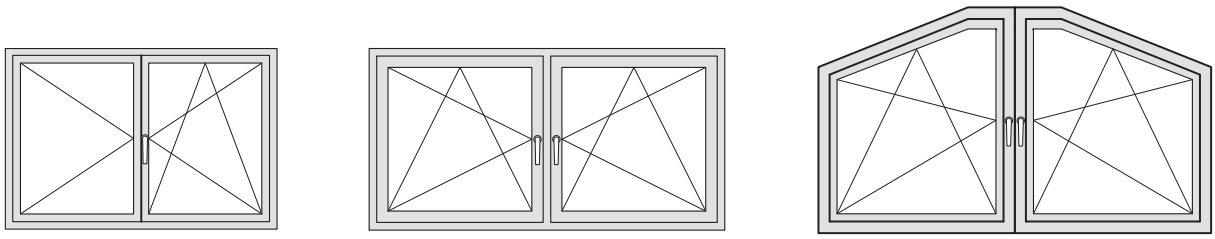
WINDOW AND DOOR TYPES AVAILABLE WITHIN SYSTEMS

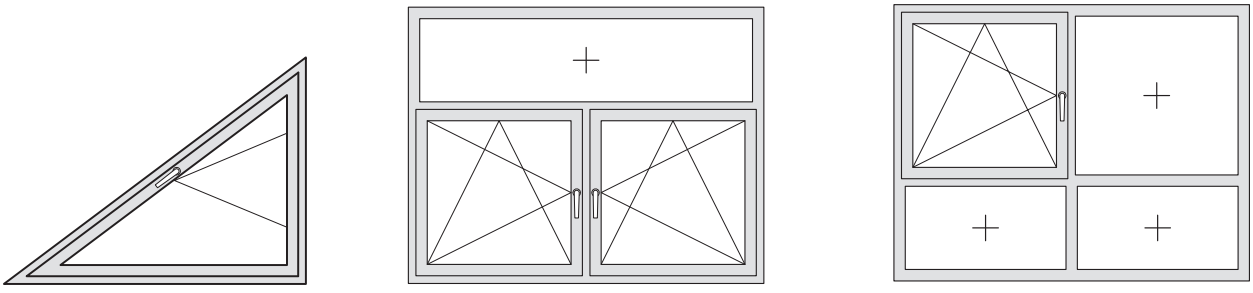
PROFILES - FITTINGS	CT70	LIVING	FOCUSING	LIVINSLIDE
FIXED WINDOWS	V	V	V	X
WINDOWS & BALCONY DOORS OPENABLE	V	V	V	X
WINDOWS & BALCONY DOORS TILT AND TURN	V	V	V	X
WINDOWS & BALCONY DOORS TILT	V	V	V	X
WINDOWS & BALCONY DOORS SLIDING	X	X	X	X
WINDOWS & BALCONY DOORS WITH FLOATING MULLION	V	V	V	X
WINDOWS WITH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

EXAMPLES OF WINDOW TYPES

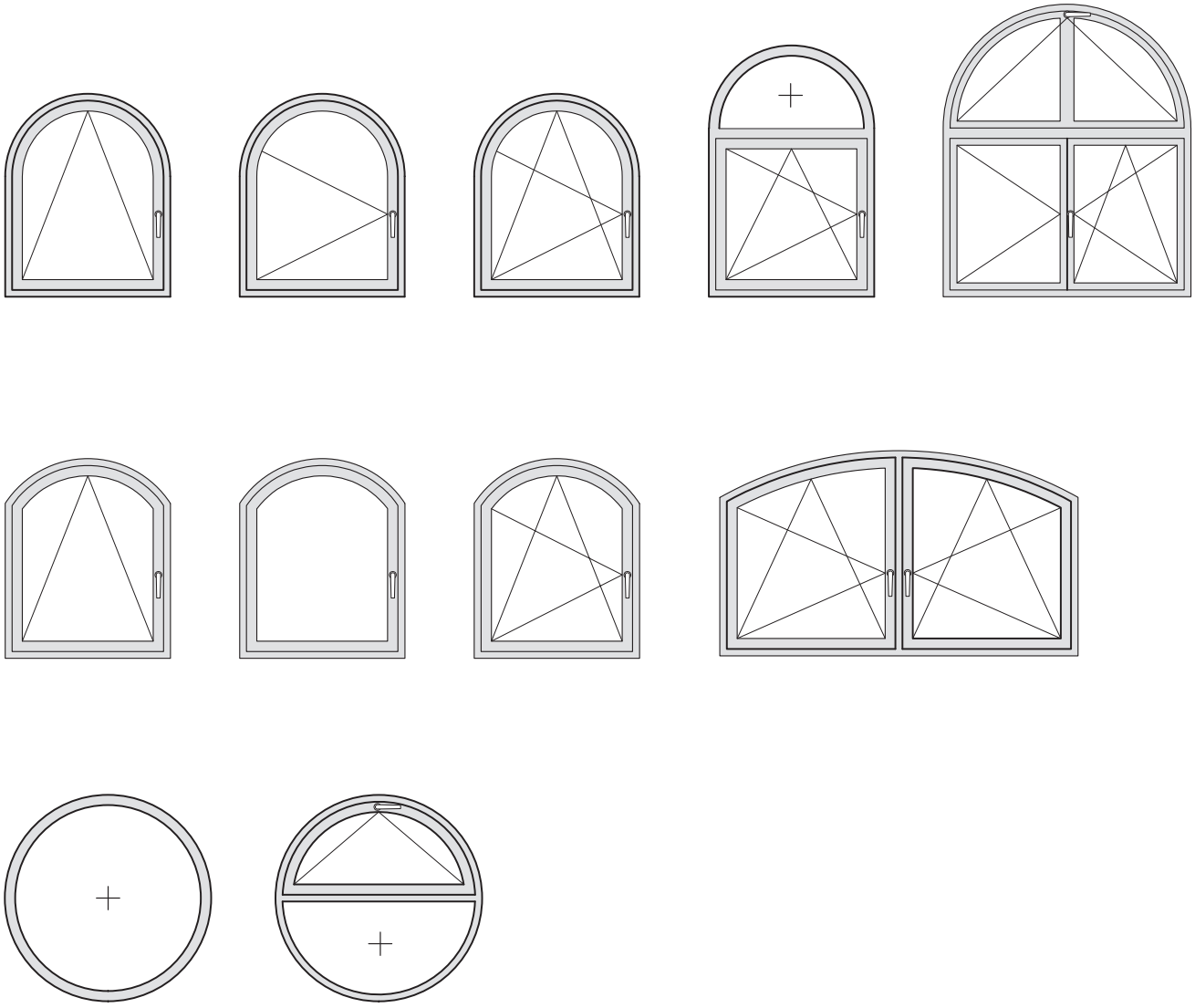




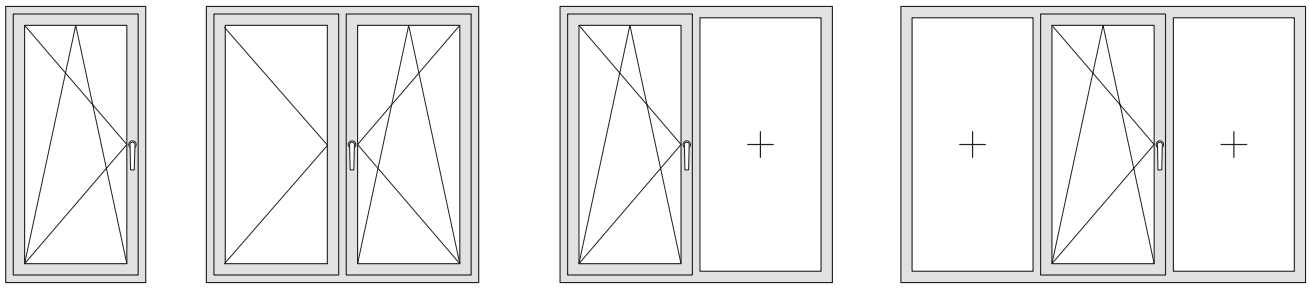




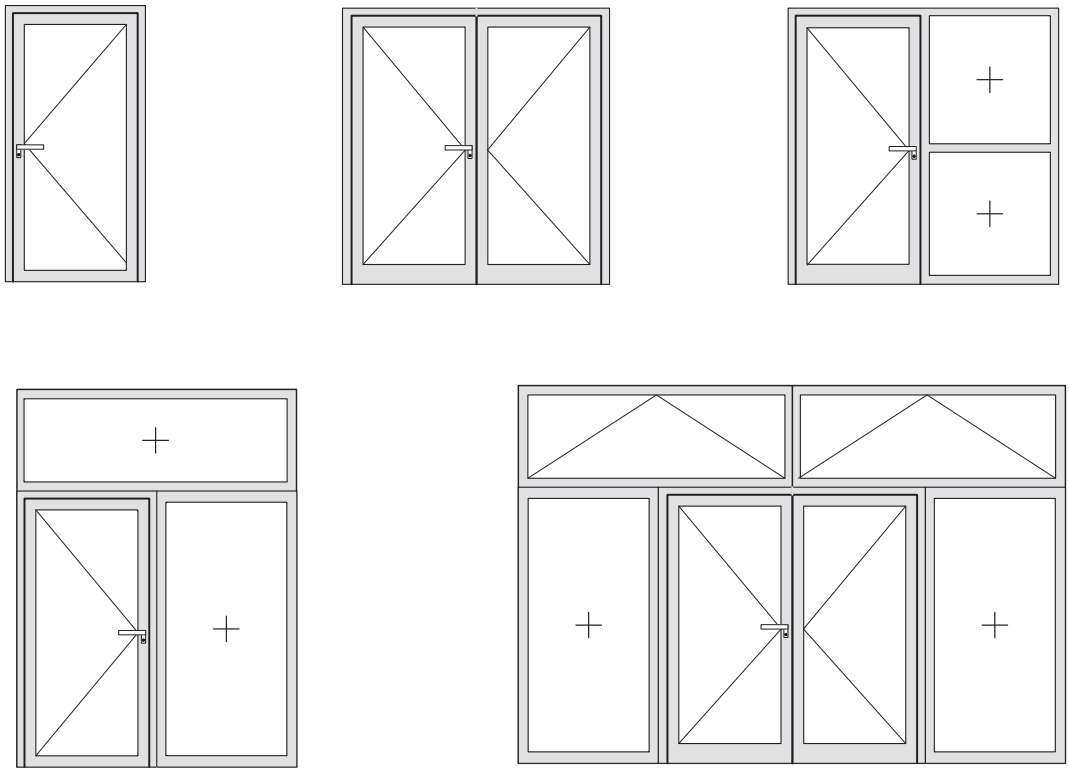
EXAMPLES OF WINDOW TYPES



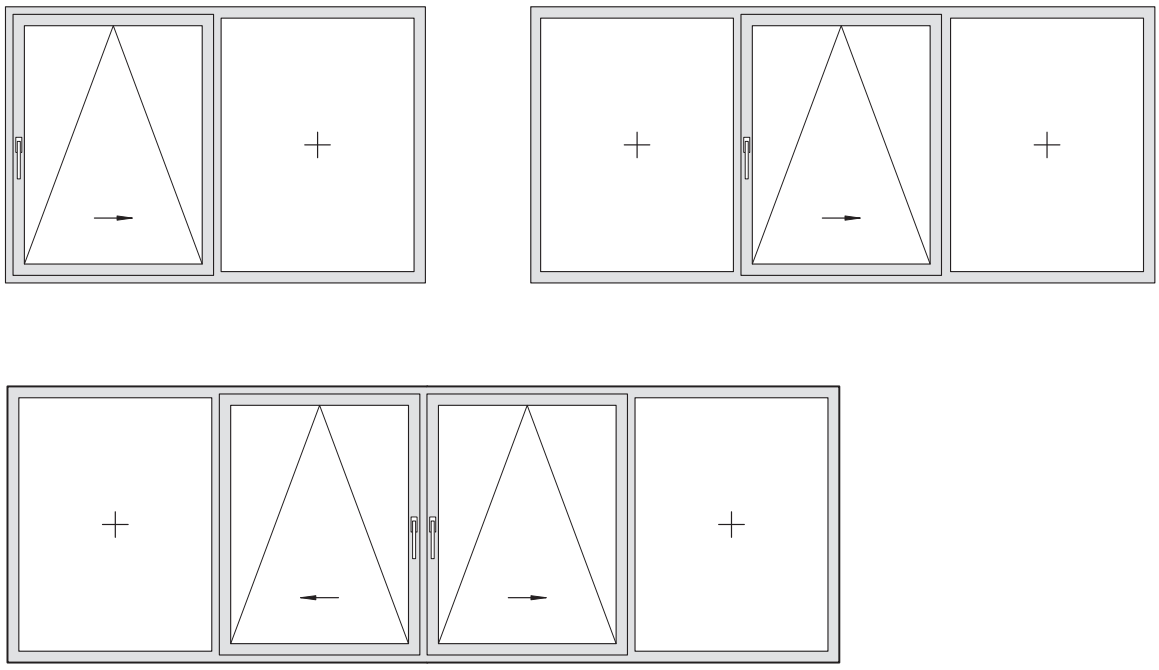
BALCONY DOORS

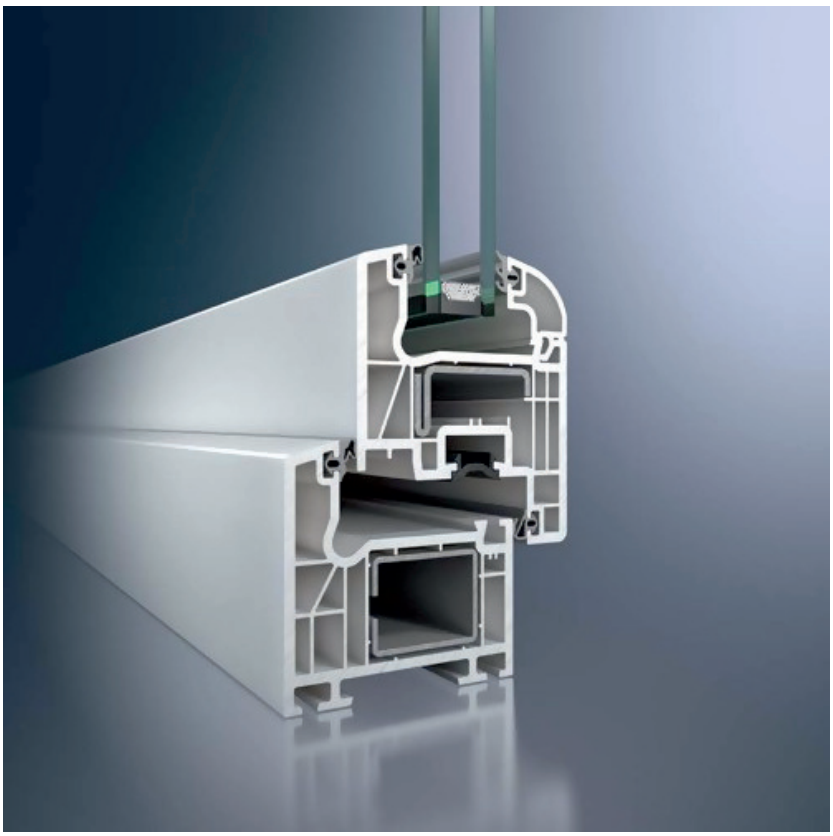


EXAMPLES OF MAIN DOOR TYPES



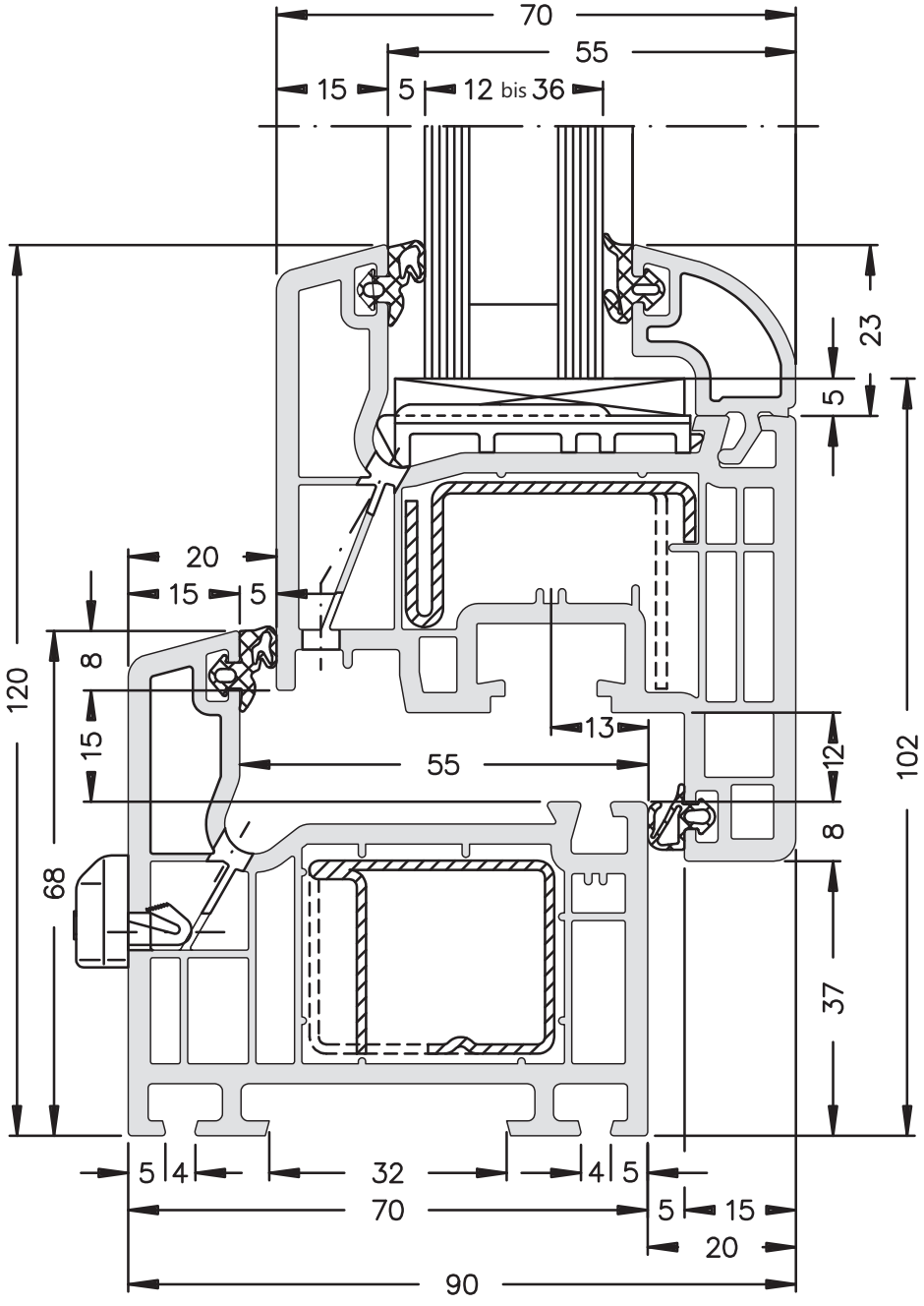
EXAMPLES OF TILT & SLIDE DOOR TYPES



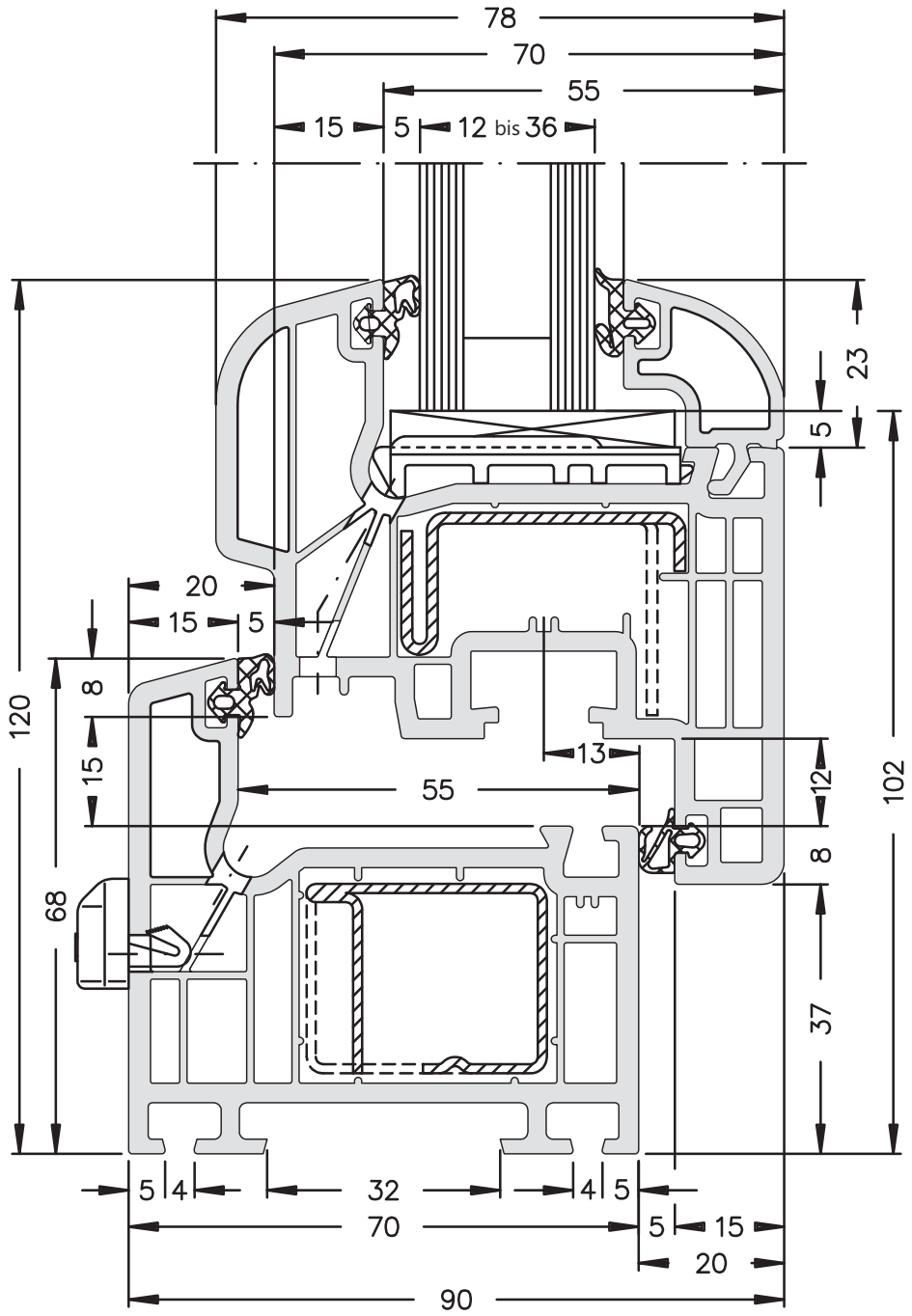




CT70 AS - CLASSIC - BASIC DIMENSIONS

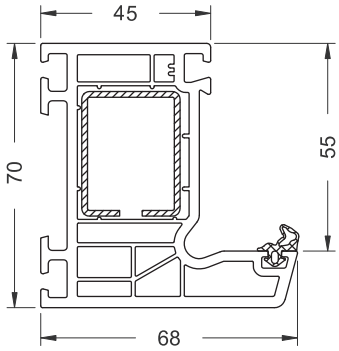


CT70 AS - RONDO - BASIC DIMENSIONS

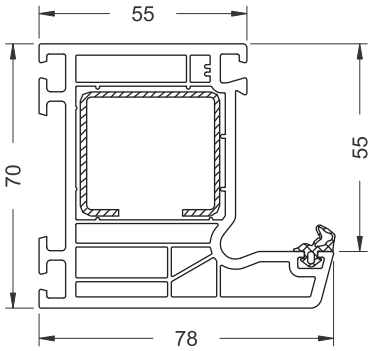


CT70 - FRAMES

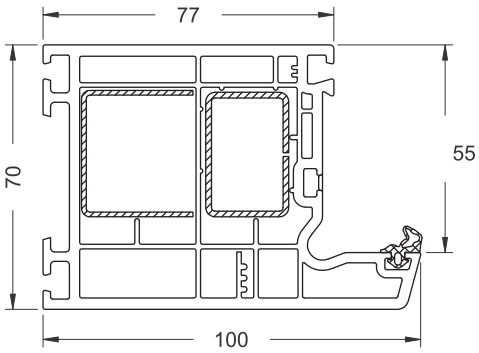
STANDARD 68mm
8865



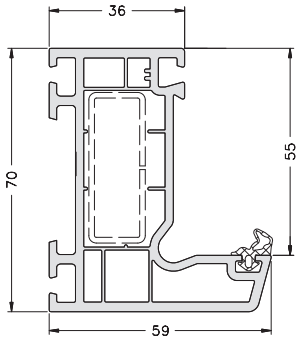
STANDARD 78mm
8864



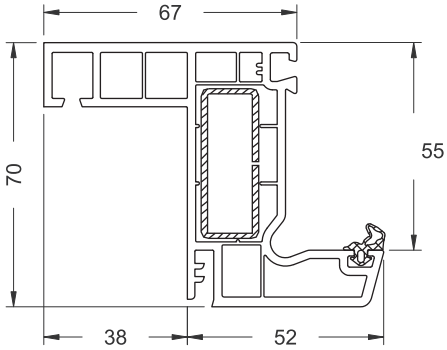
STANDARD 100mm
8570



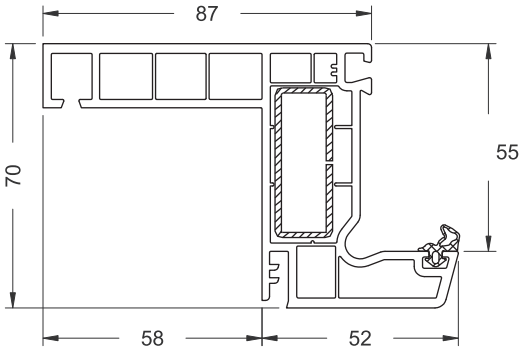
NARROW
9009



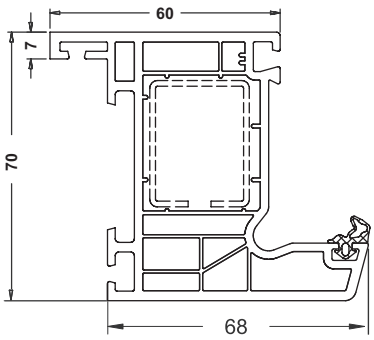
RENOVATION 38mm
8899



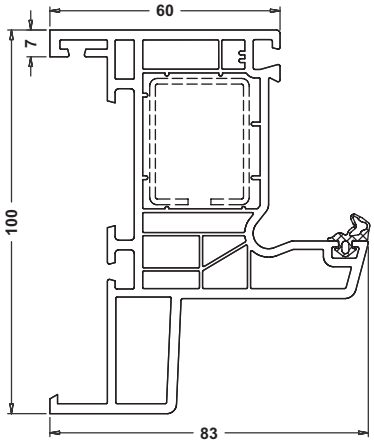
RENOVATION 58mm
9011



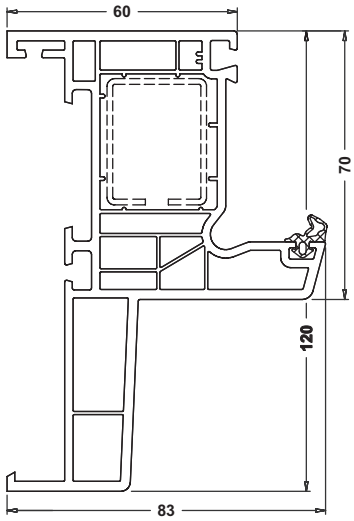
8065



MONO 100mm
9163



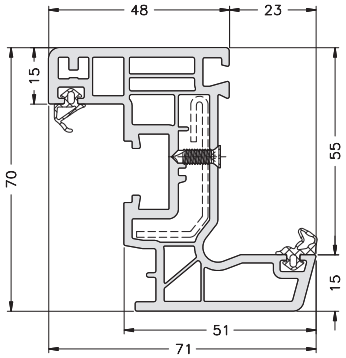
MONO 120mm
9164



CT70 CLASSIC - SASH PROFILE

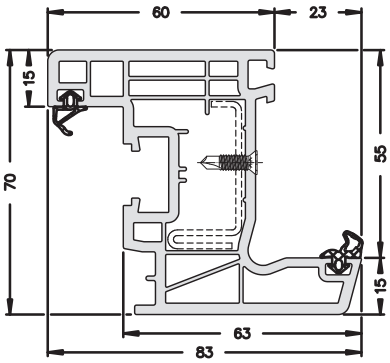
NARROW

9053



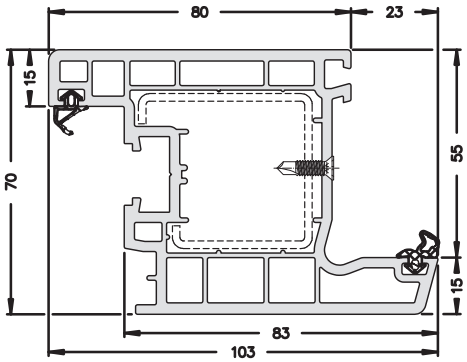
STANDARD - WINDOW

8866



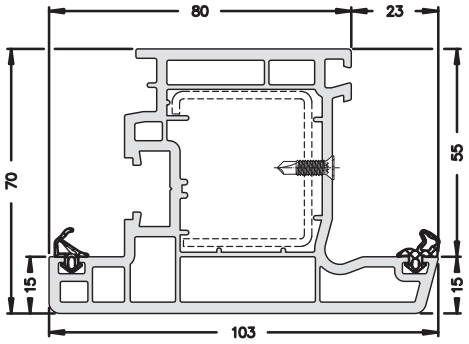
WIDE- PATIO DOOR PROFILE (INWARD GOING)

9943



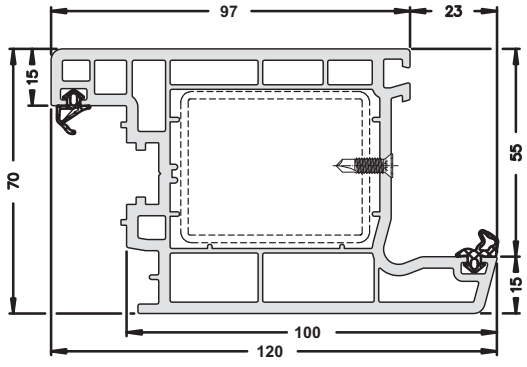
WIDE- PATIO DOOR PROFILE (OUTWARD GOING)

8509



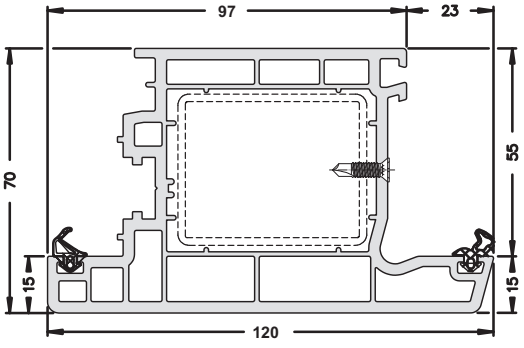
MAIN DOOR - INWARD GOING

9108



MAIN DOOR - OUTWARD GOING

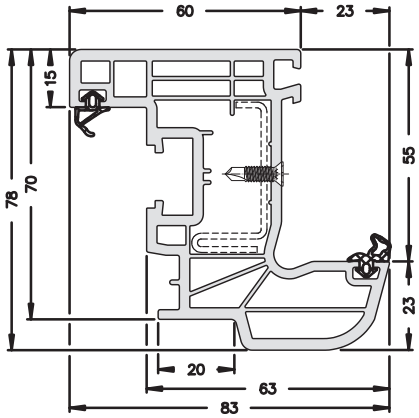
9109



CT70 RONDO - SASH PROFILE

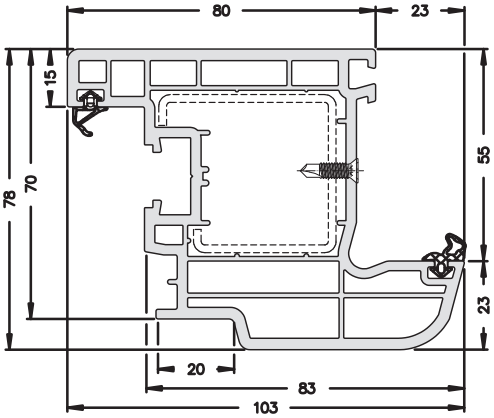
RONDO - STANDARD - WINDOW / BALCONY DOOR

8867



RONDO (WIDE) PATIO DOOR PROFILE (INWARD GOING)

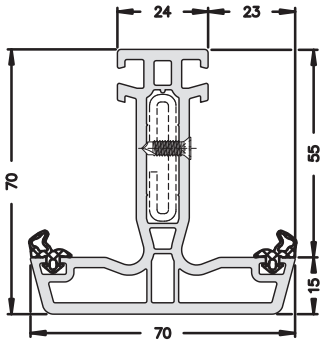
8620



CT70 - MULLIONS

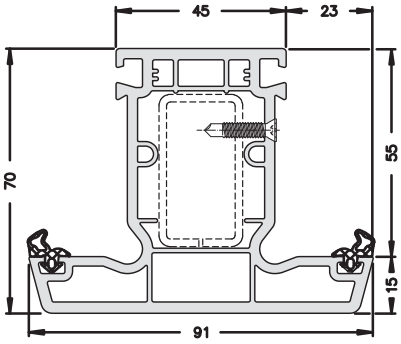
NARROW (FIXED)

8520



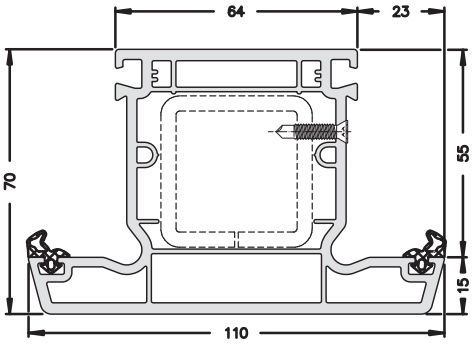
STANDARD (FIXED)

8869



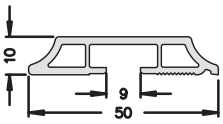
WIDE (FIXED)

8848



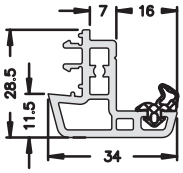
CENTERED HANDLE PROFILE

8414



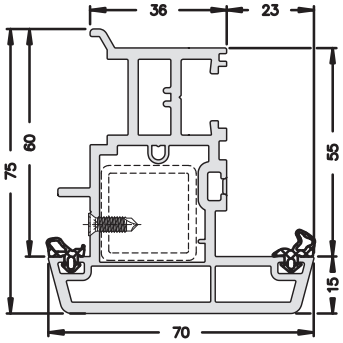
MINI (FLOATING)

9606



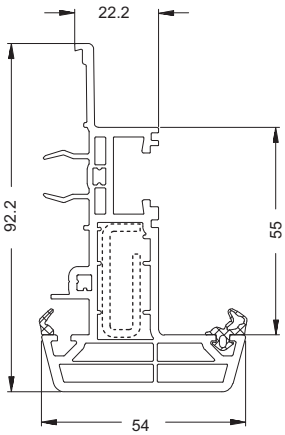
STANDARD (FLOATING)

9701



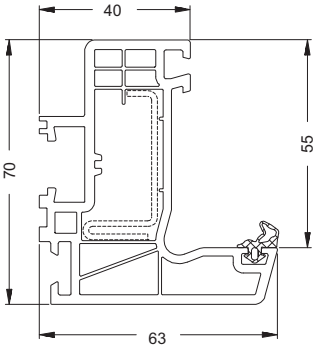
FLOATING 54 mm

9700

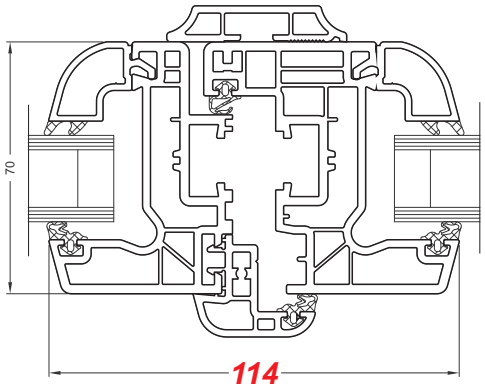


SASH PROFIL TO THE MINI MULLION 63 mm

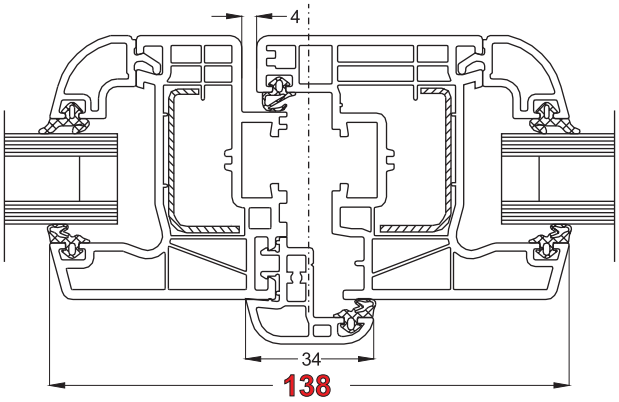
8898



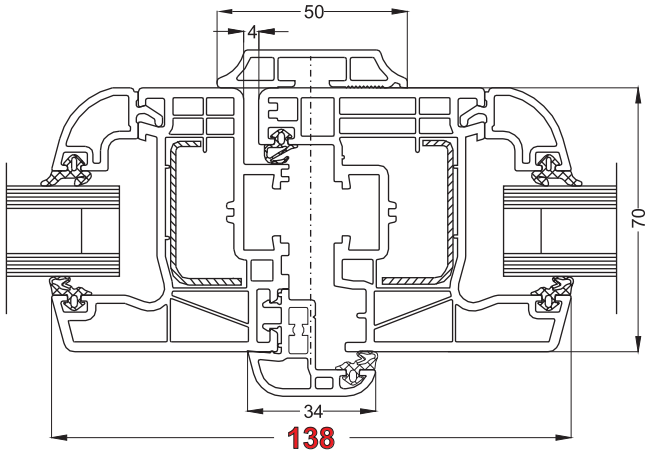
CT70 - CROSS-SECTIONS - FLOATING MULLIONS



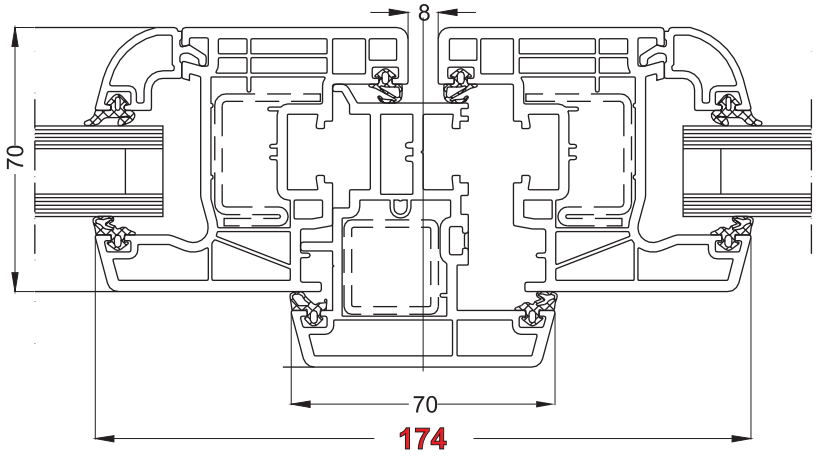
**WINDOW – NARROW SASH
MINI-MOBILE POST
WITH CENTRAL HANDLE**



WINDOW WITH MINI FLOATING MULLION

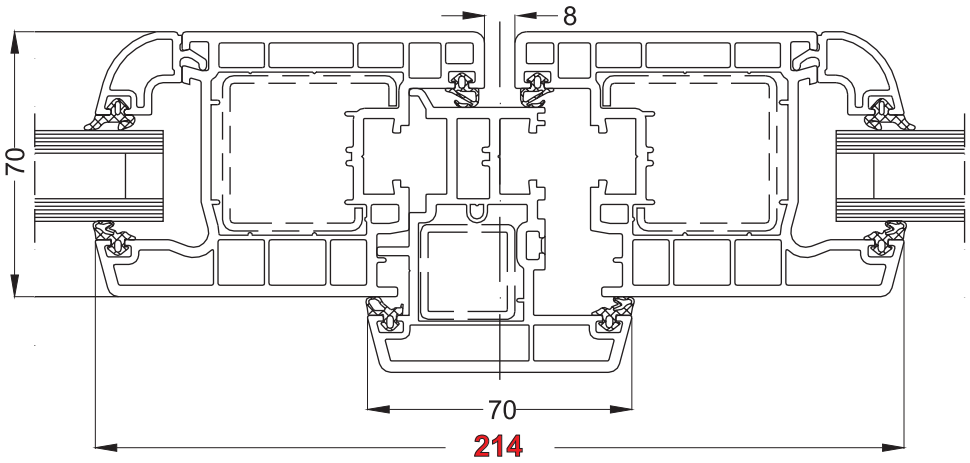


**WINDOW WITH MINI FLOATING MULLION
WITH CENTRED HANDLE**

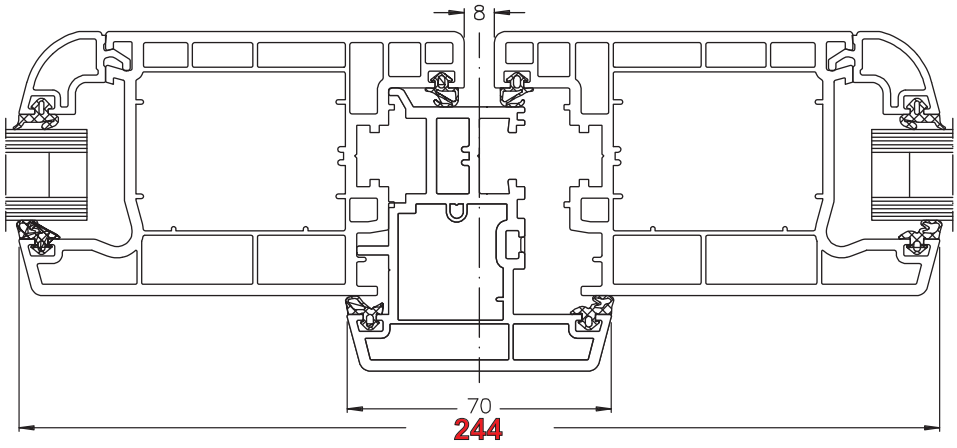


STANDARD WINDOW (FLOATING MULLION)

CT70 - CROSS-SECTIONS - FLOATING MULLIONS

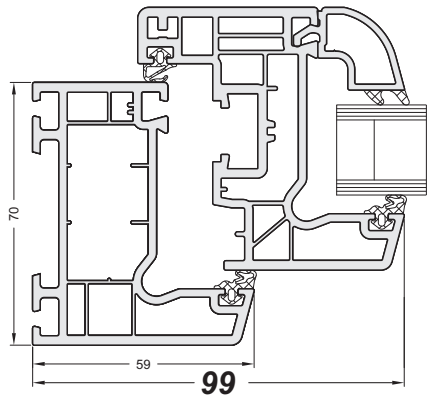


PATIO DOOR (FLOATING MULLION)

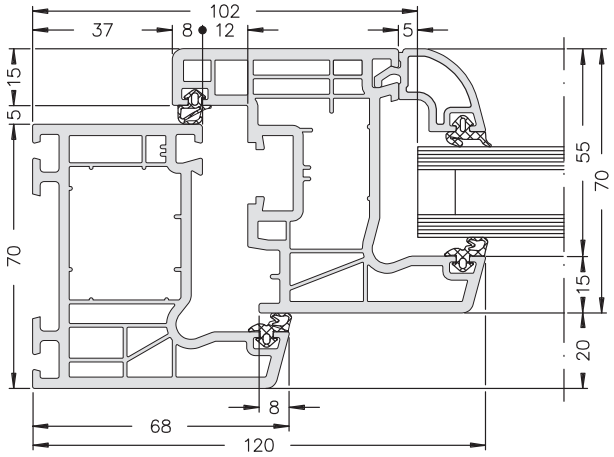


MAIN ENTRANCE DOOR WITH STANDARD FLOATING MULLION

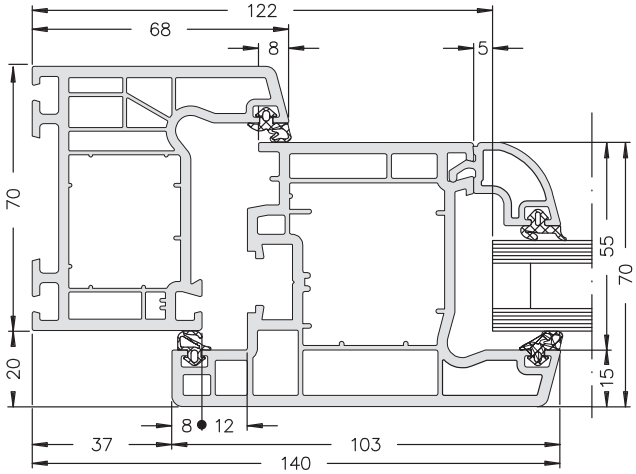
CT70 - CLASSIC - CROSS-SECTIONS

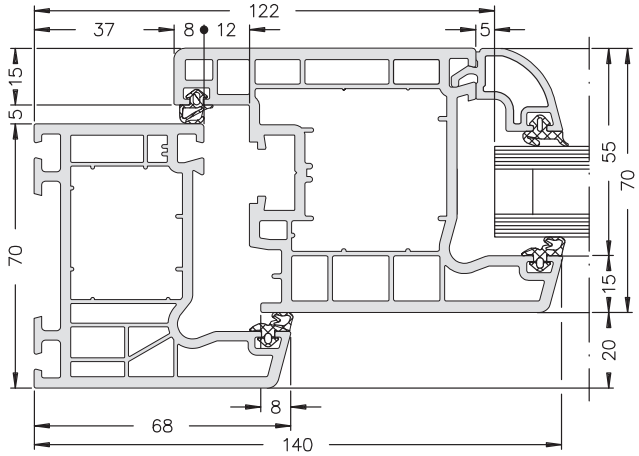


WINDOW NARROW – ONLY 99mm



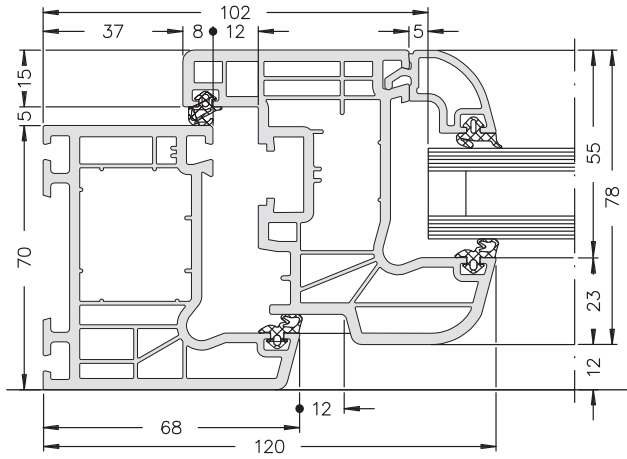
STANDARD WINDOW

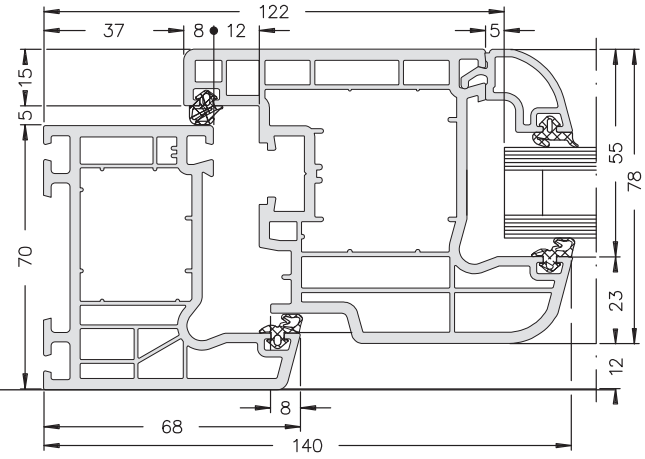




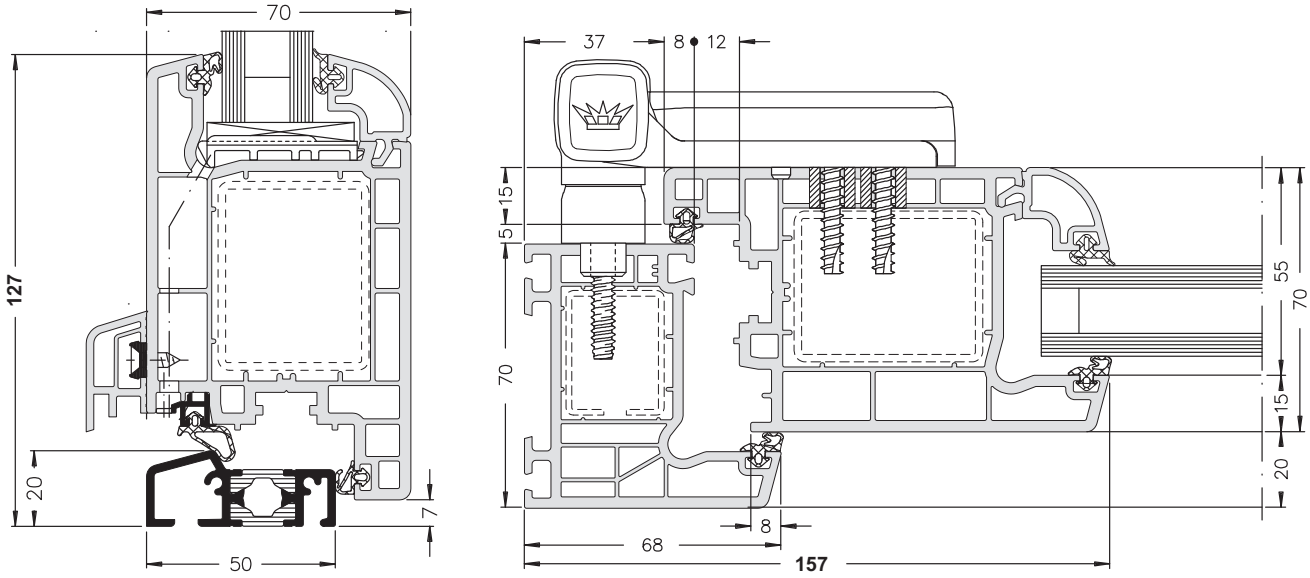
PATIO DOORS

CT70 - RONDO - CROSS-SECTIONS

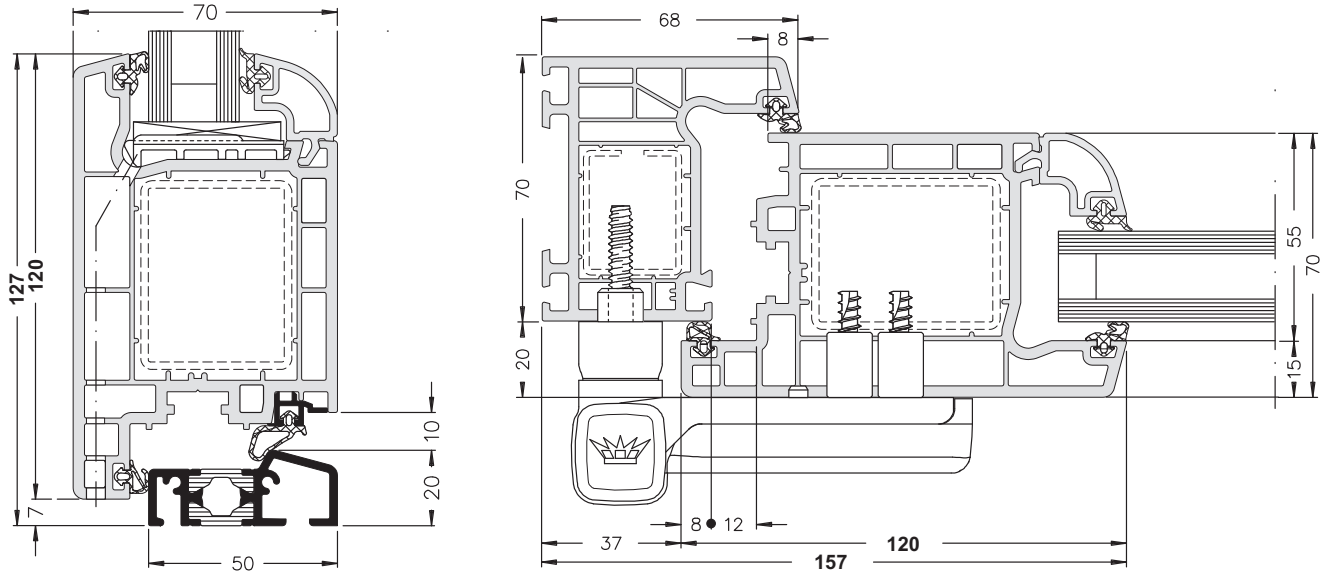




CT70 - CLASSIC - MAIN ENTRANCE DOORS

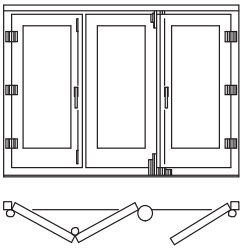


INWARD - GOING

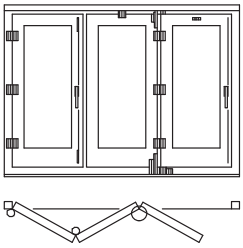


OUTWARD - GOING

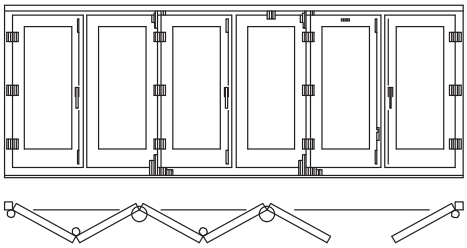
EXAMPLES OF FOLDING DOOR TYPES



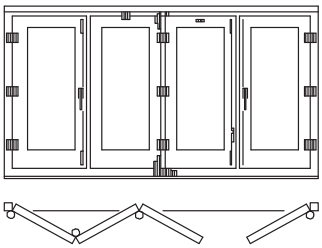
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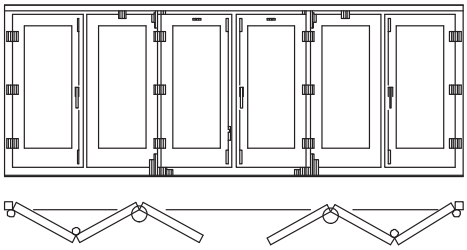
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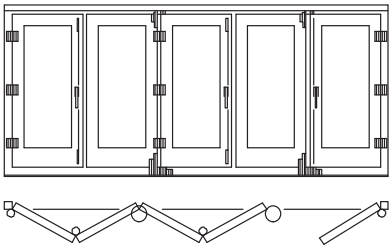
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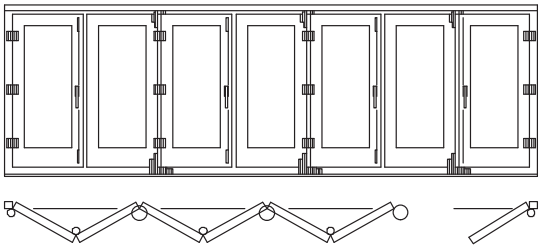
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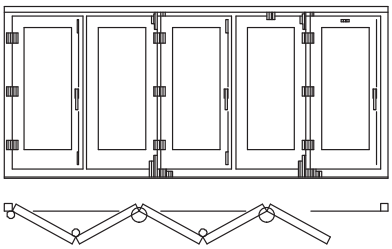
633



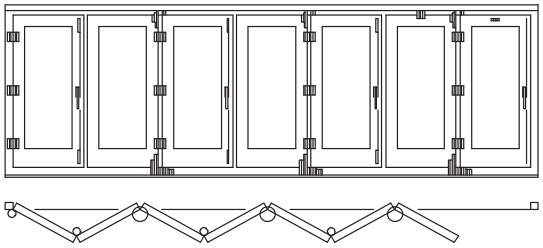
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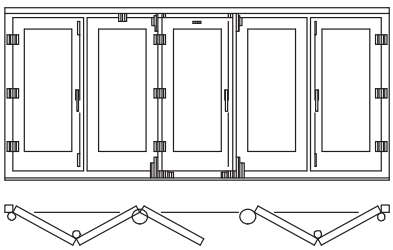
761



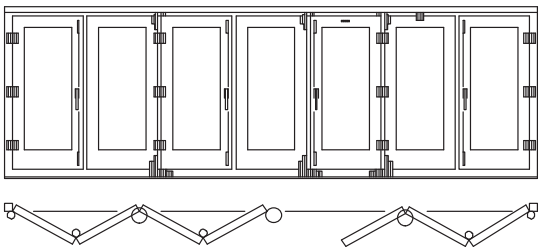
550



770



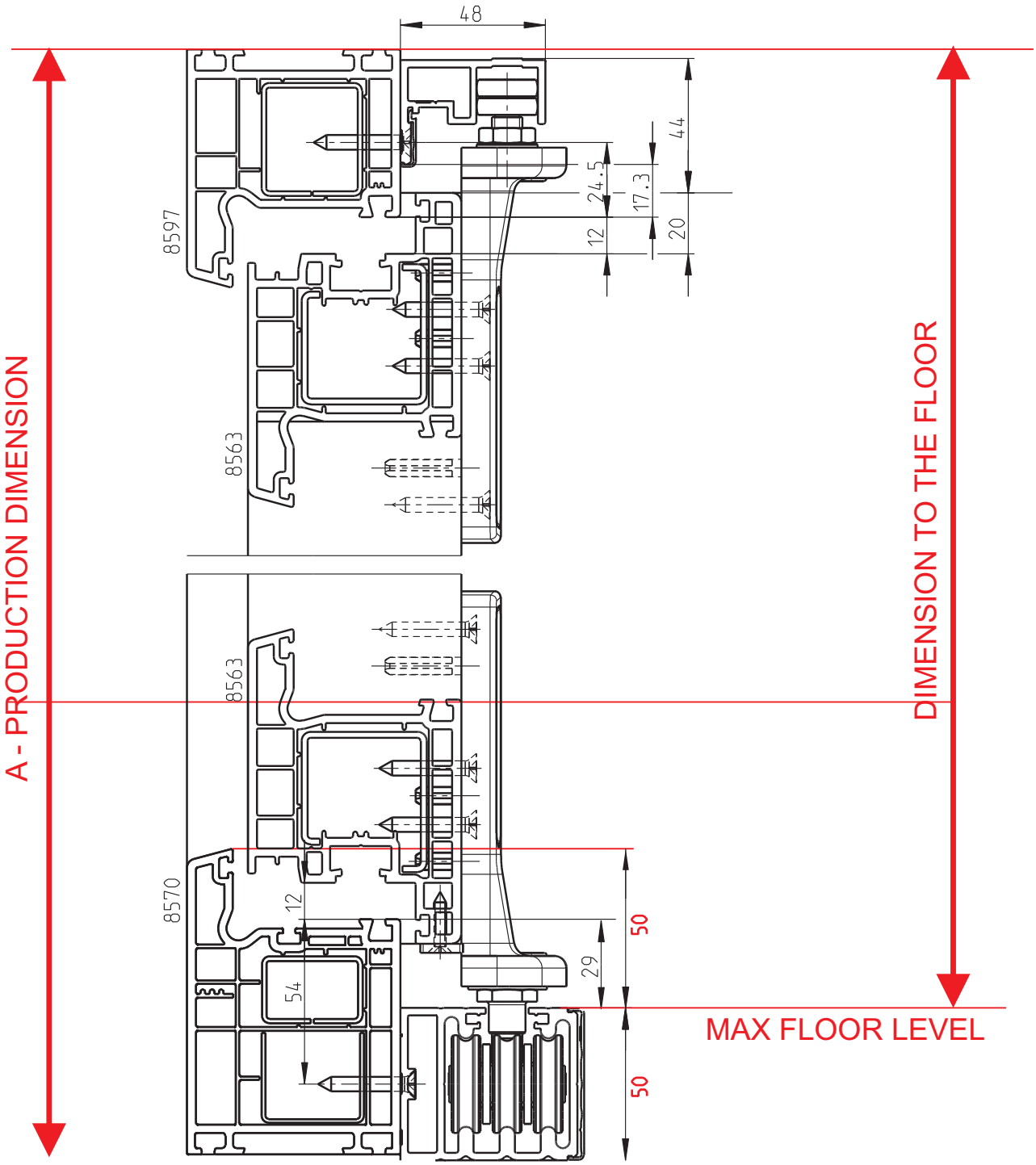
532



743

FOLDED DOOR- BOTTOM RUN

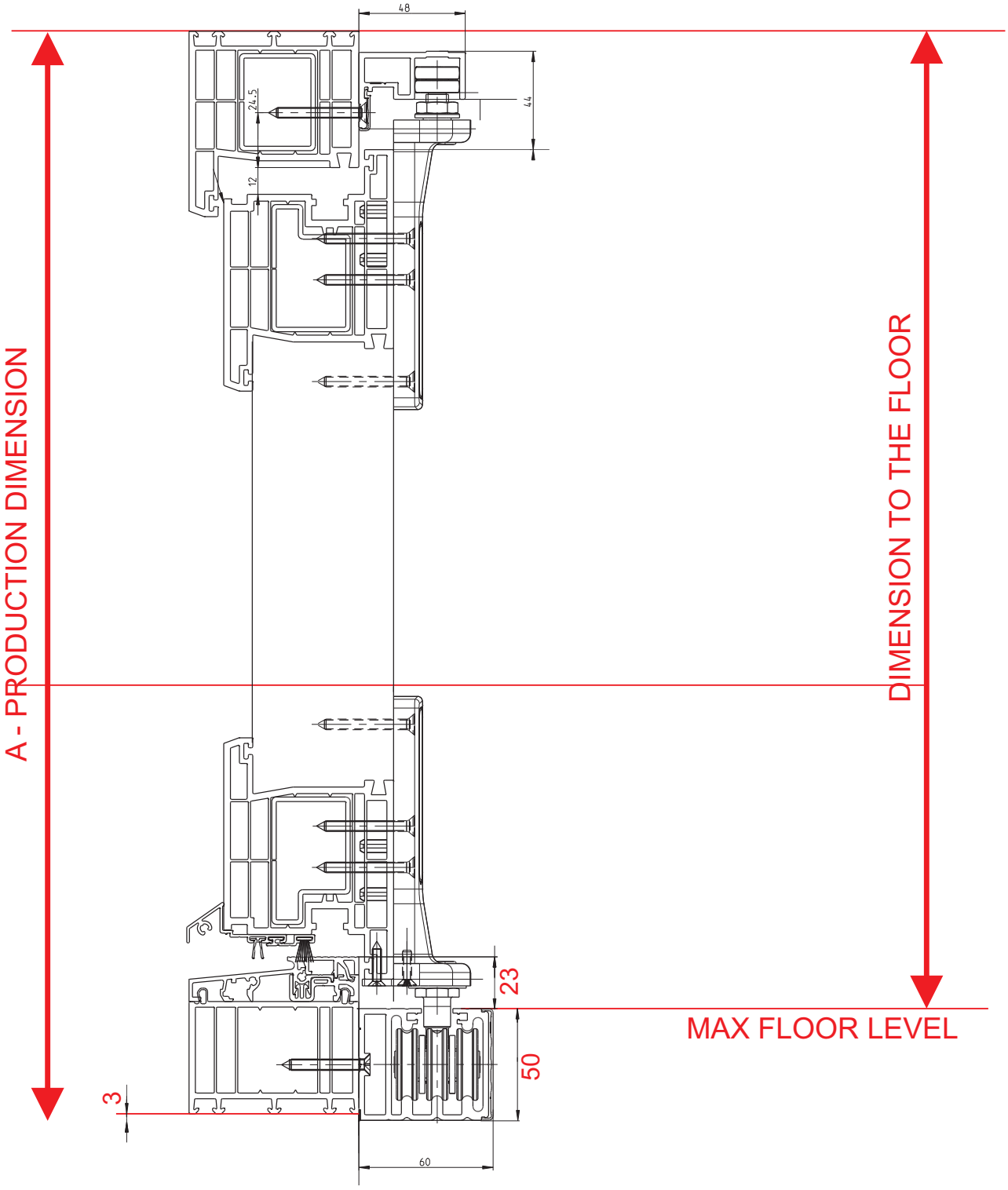
STANDARDS VALID WHEN ORDERING FROM FACTORY



BOTTOM FRAME 100 mm

FOLDED DOOR- BOTTOM RUN

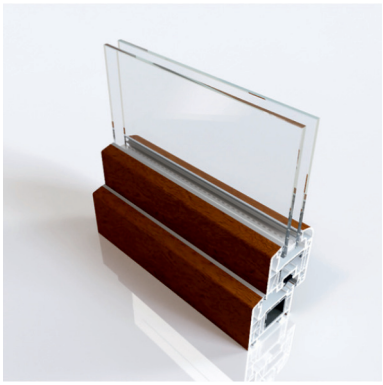
STANDARDS VALID WHEN ORDERING FROM FACTORY LASTRIK

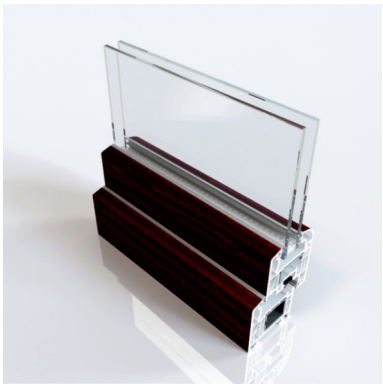


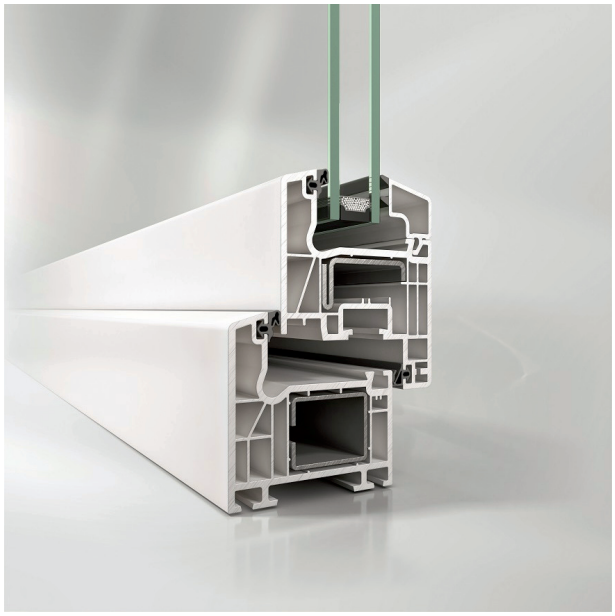
BOTTOM LOW TRESHOLD 20 mm

CT70 - PHOTOS







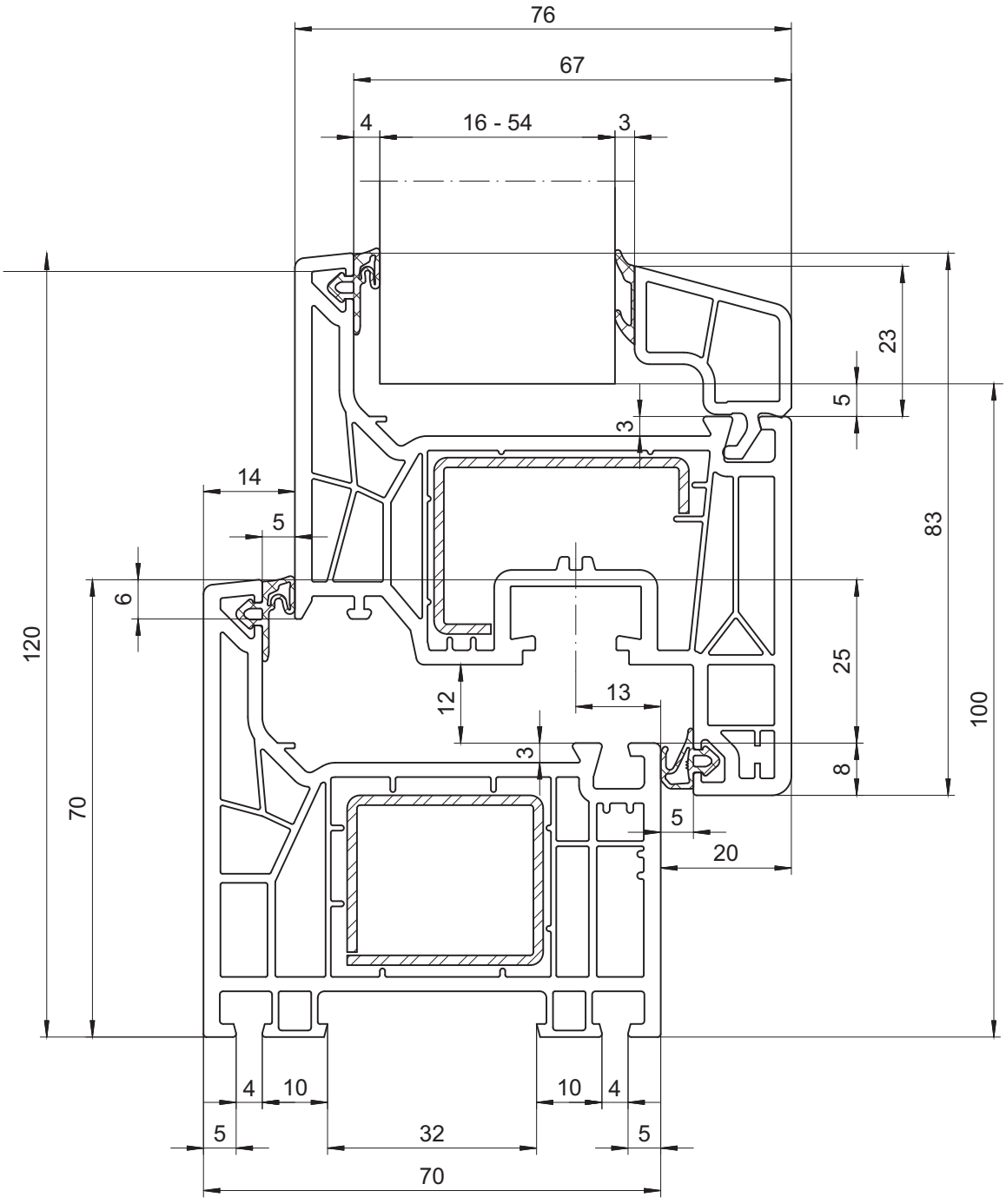




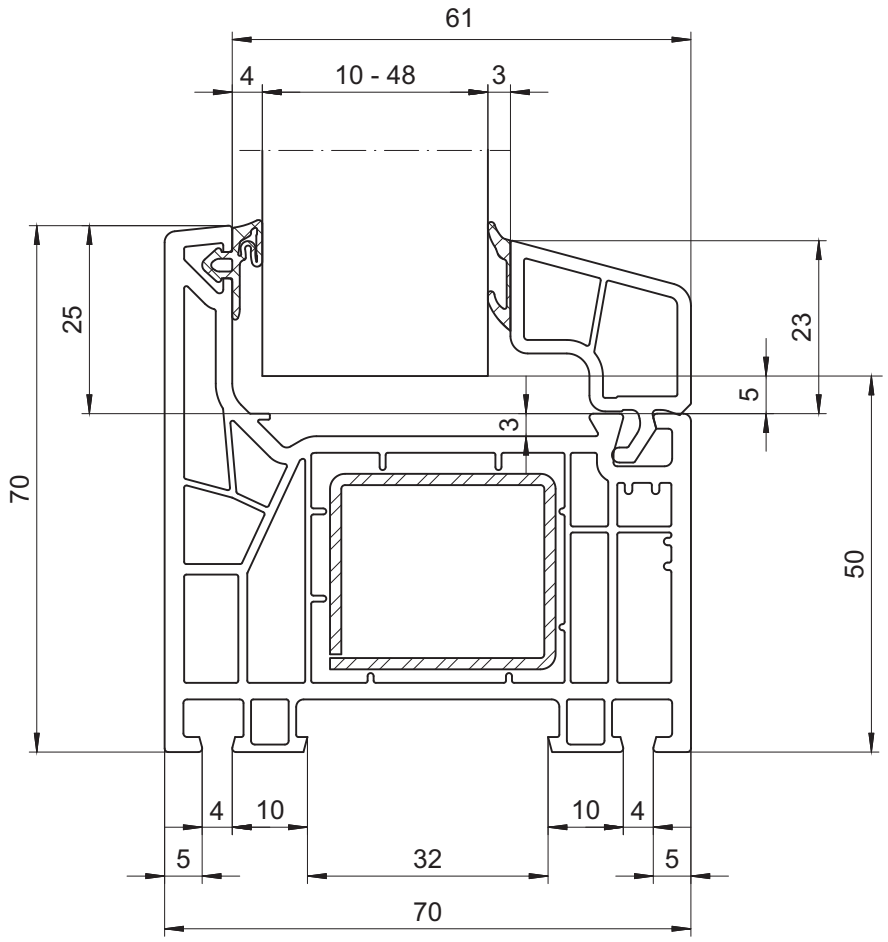




FOCUSING - BASIC DIMENSIONS



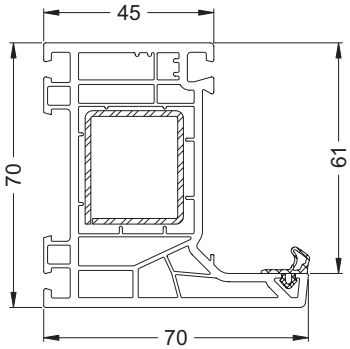
FOCUSING - BASIC DIMENSIONS



FOCUSING - FRAMES

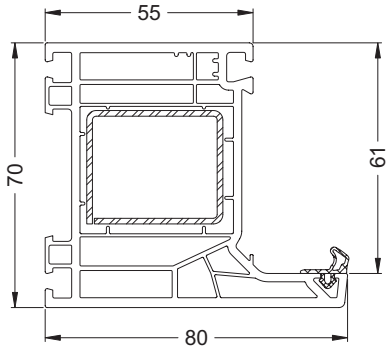
STANDARD 70mm

9850



STANDARD 80mm

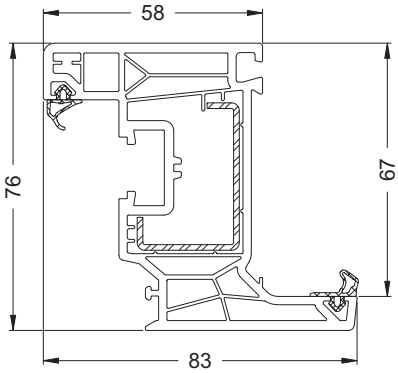
9851



FOCUSING - SASH PROFILES

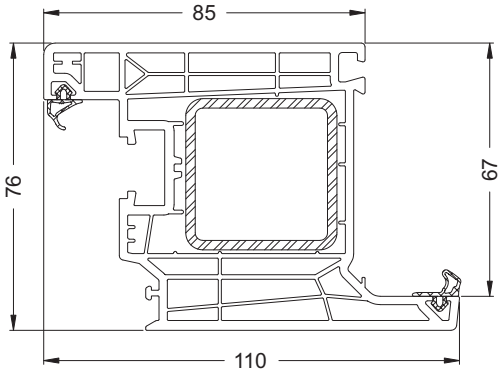
STANDARD - WINDOW

9855



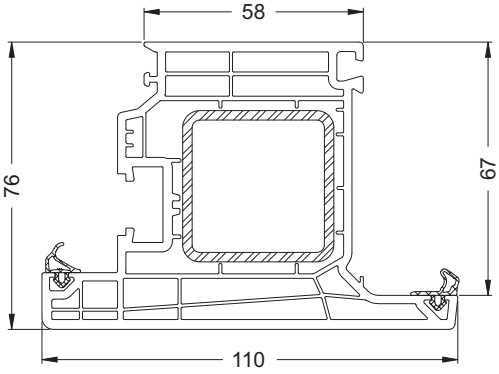
WIDE- PATIO DOOR PROFILE (INWARD GOING)

9856



WIDE- PATIO DOOR PROFILE (OUTWARD GOING)

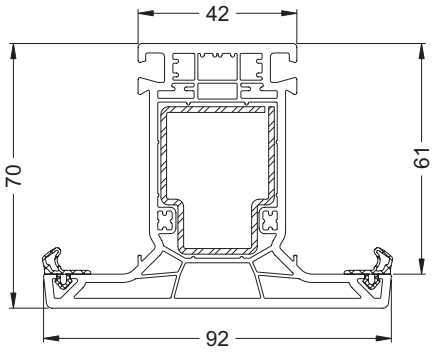
9857



FOCUSING - MULLIONS

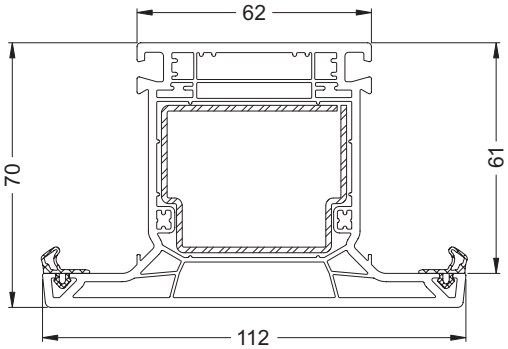
FIXED - STANDARD 92 mm - to the frame

9861



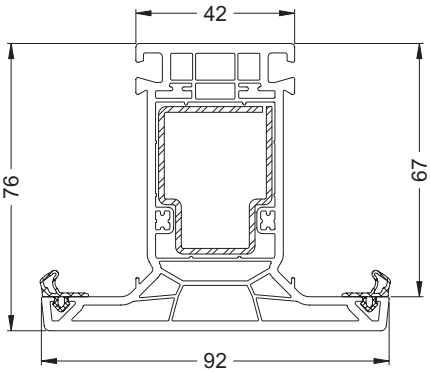
FIXED - WIDE 112 mm - to the frame

9865



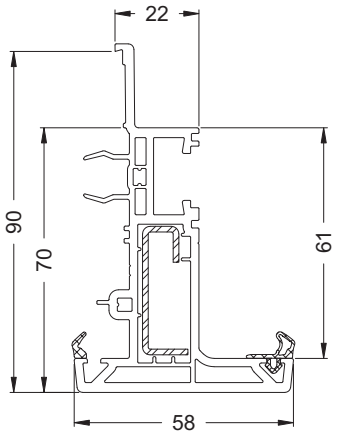
FIXED 92 mm - to the sash

9865



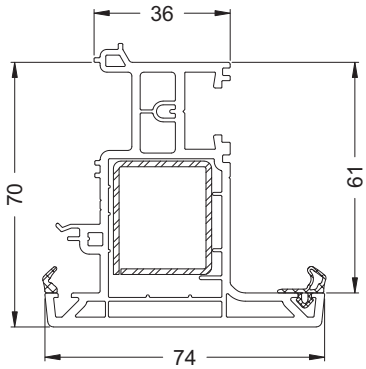
FLOATING 58 mm

9863

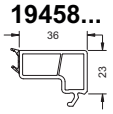
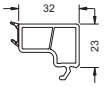


STANDARD FLOATING 74mm

9864

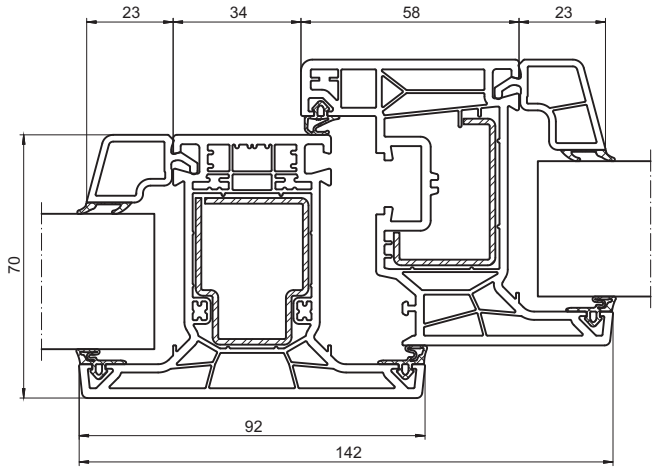


FOCUSING - RECTANGULAR GLAZING BEADS

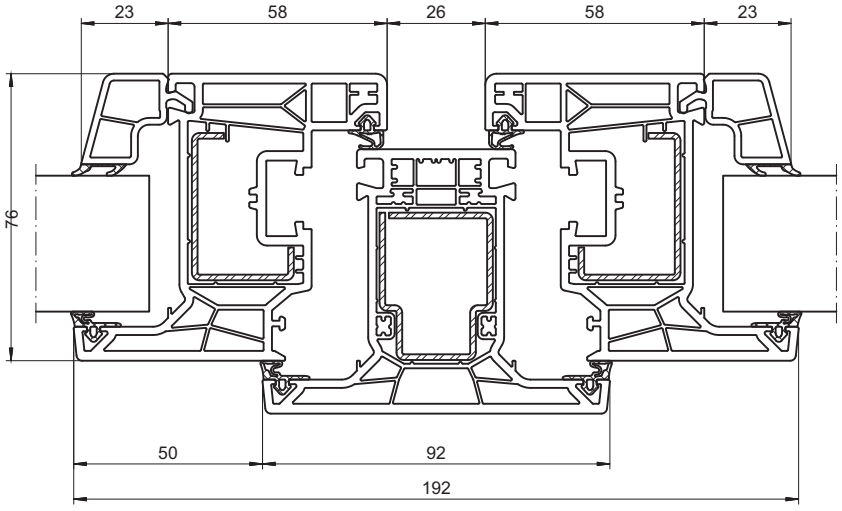
Nominal glass size		
Installation in the sash	Installation in the frame	Rectangular glazing bead
24 mm	18 mm	19458... 
28 mm	22 mm	19456... 
44 mm	38 mm	19459... 
48 mm	42 mm	19457... 

FOCUSING - CROSS-SECTIONS

STANDARD WINDOW (FIXED MULLION)

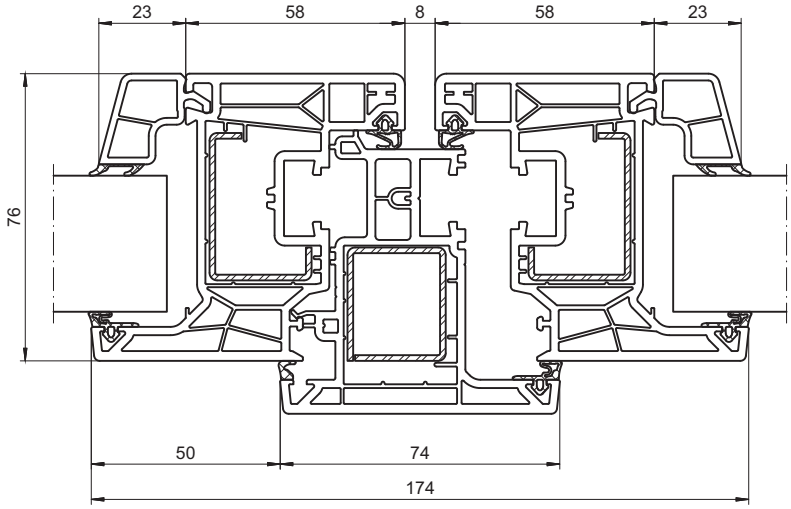


STANDARD WINDOW (FIXED MULLION)

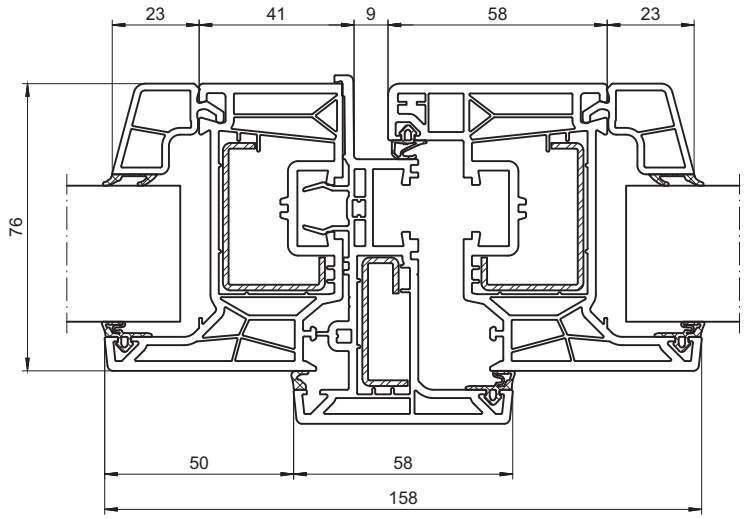


FOCUSING - CROSS-SECTIONS

STANDARD WINDOW (FIXED MULLION)



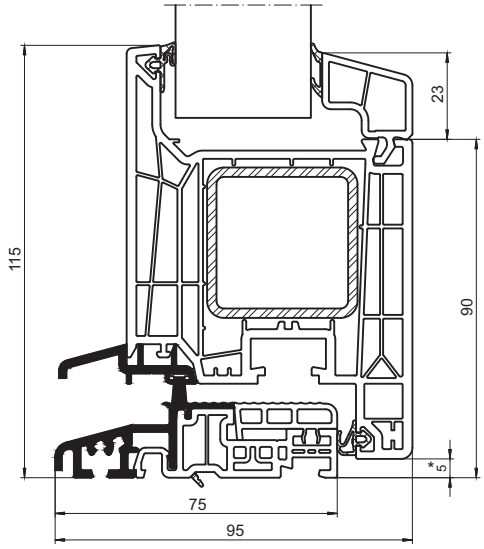
STANDARD WINDOW (FIXED MULLION 58mm)



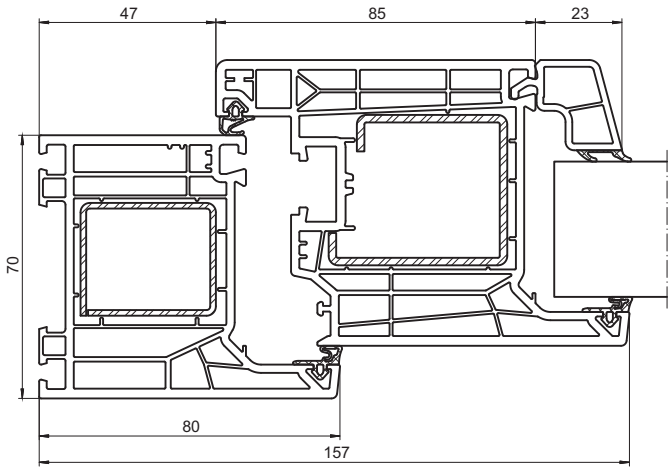
FOCUSING - CROSS-SECTIONS

INWARD OPENING DOOR

WITH ALU/PVC THRESHOLD

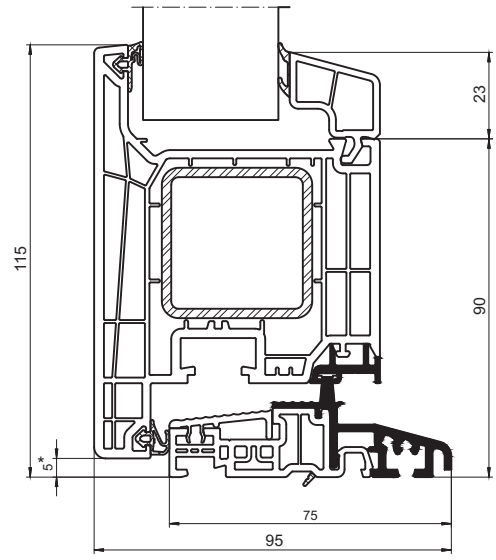


*Alternatively 7 mm

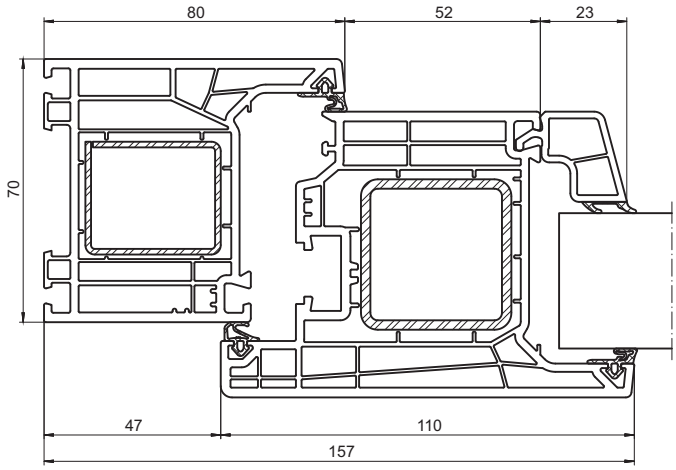


OUTWARD OPENING DOOR

WITH ALU/PVC THRESHOLD

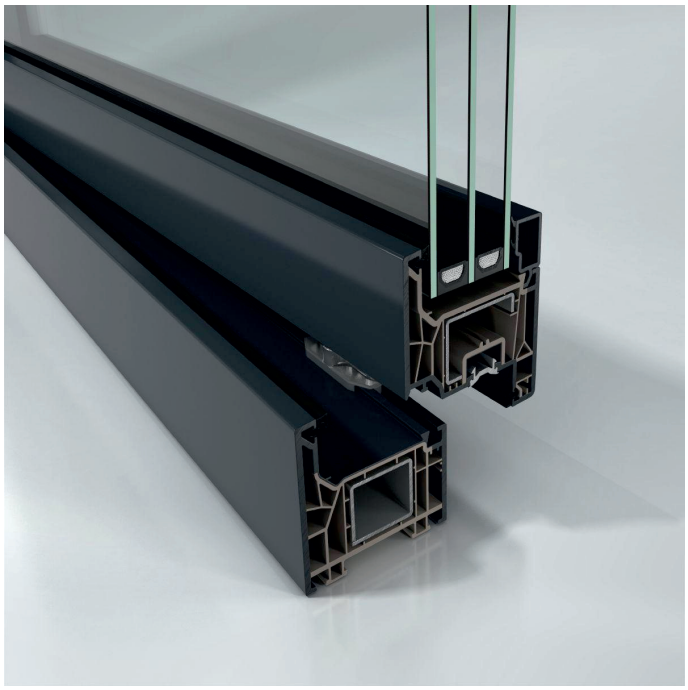


*Alternatively 7 mm

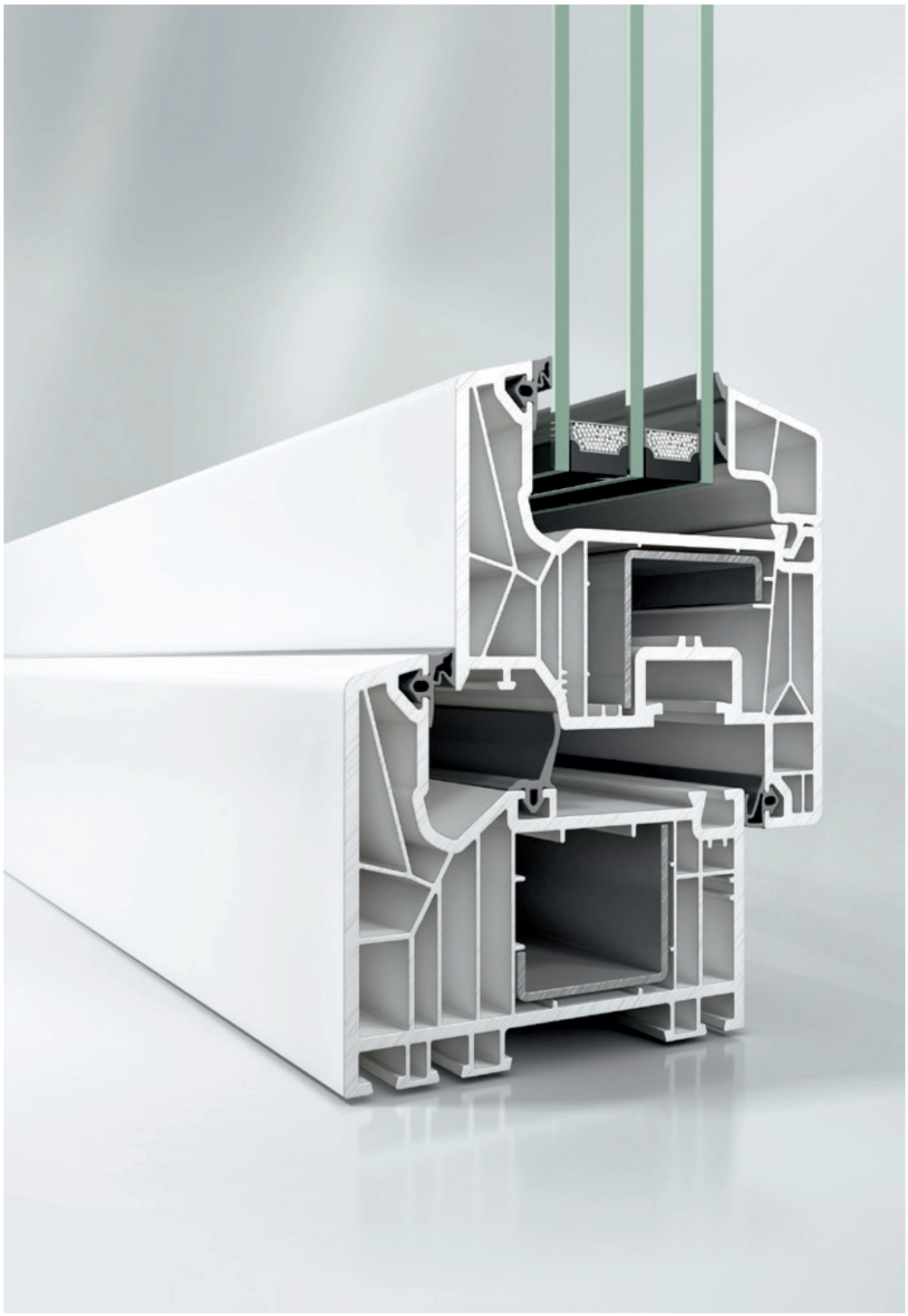


FOCUSING - PHOTOS



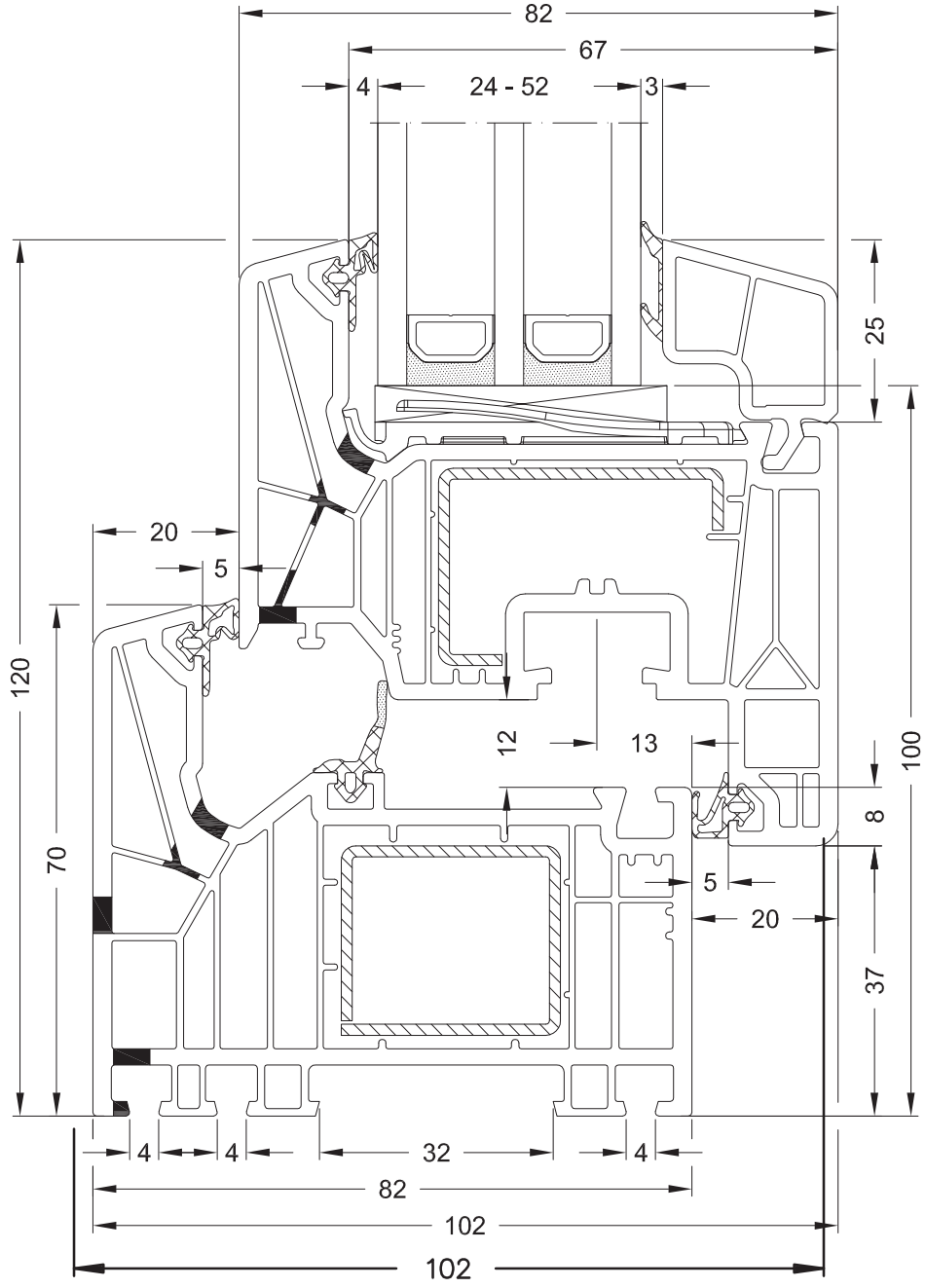






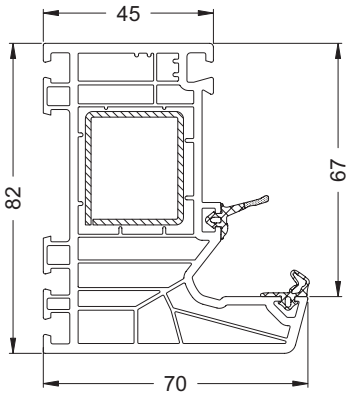
LIVING MD - BASIC DIMENSIONS

SYSTEM WITH CENTRAL GASKET

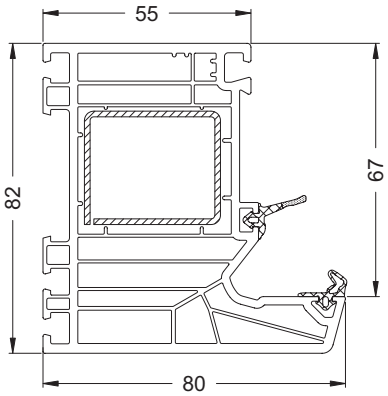


LIVING MD - FRAMES

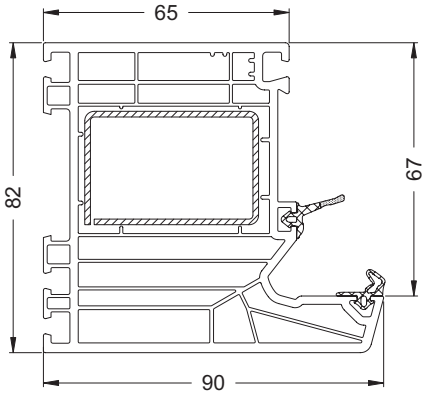
STANDARD 70mm
9411



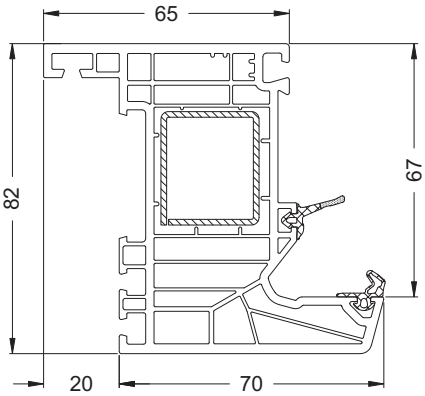
STANDARD 80mm
9412



STANDARD 90mm
9413



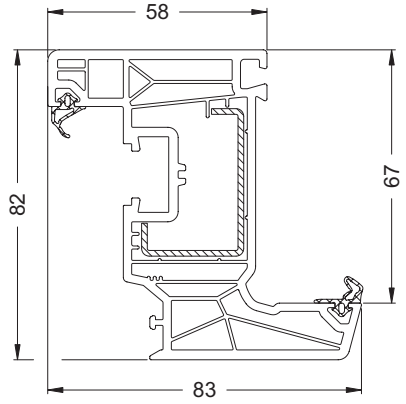
MONO
9416



LIVING - SASH PROFILES

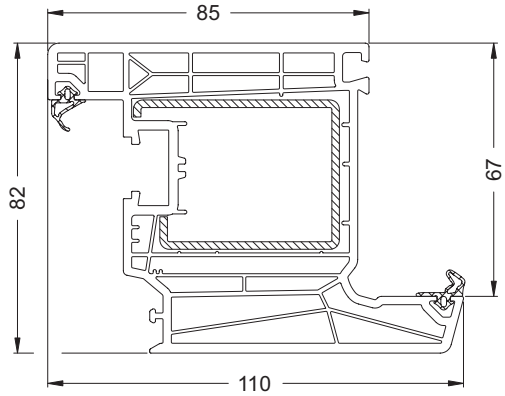
STANDARD WINDOW

9431



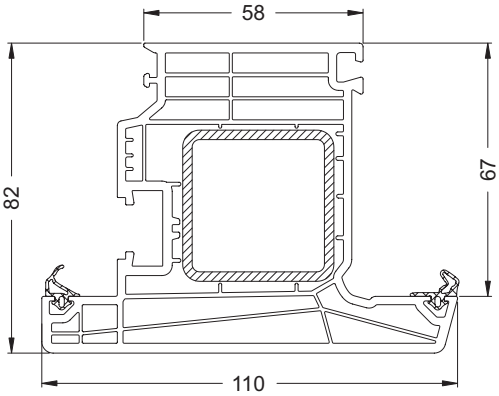
WIDE- PATIO DOOR PROFILE (INWARD GOING)

9432



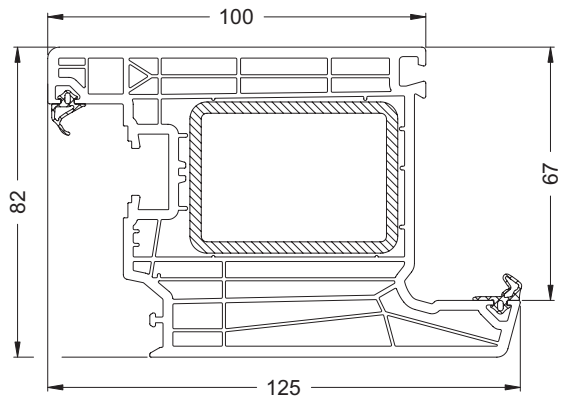
WIDE- PATIO DOOR PROFILE (OUTWARD GOING)

9452



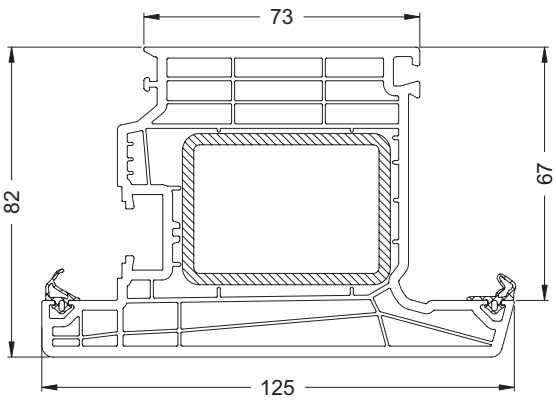
MAIN DOOR - INWARD GOING

9433



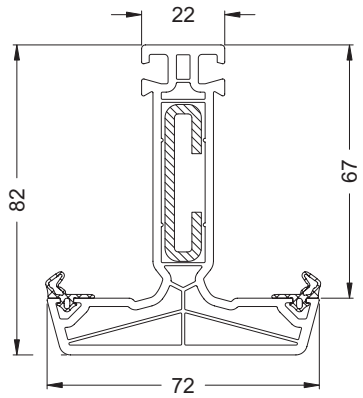
MAIN DOOR - OUTWARD GOING

9453

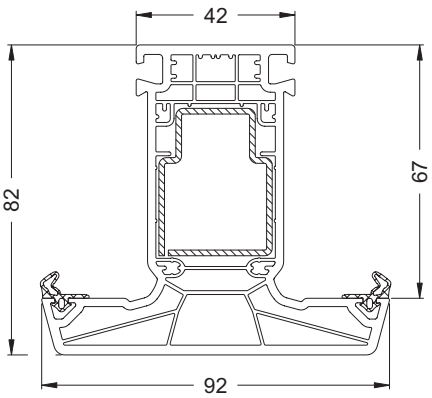


LIVING - MULLIONS

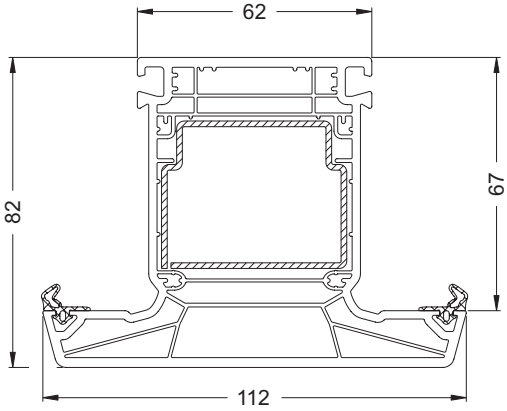
SASH - NARROW AS 72mm
9460



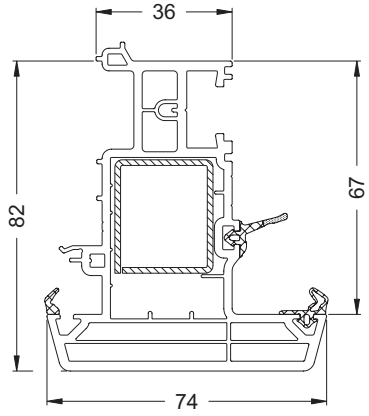
SASH - STANDARD AS 92mm
9461



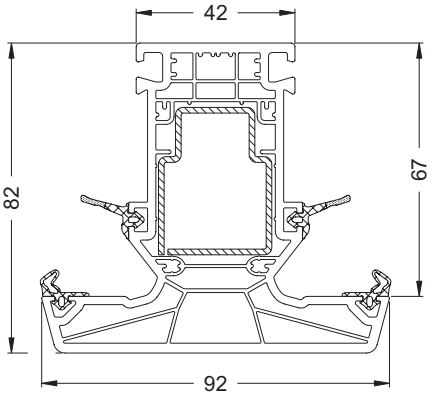
SASH - WIDE AS 112mm
9462



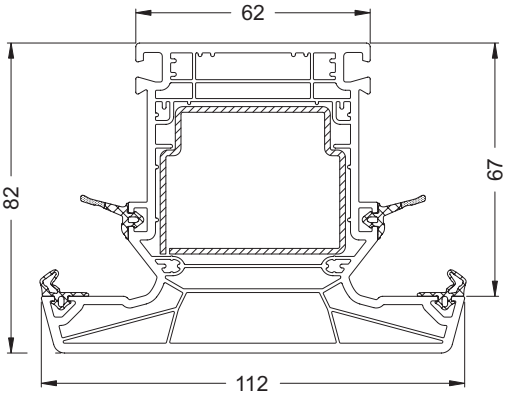
FLOATING STANDARD 74mm
9472



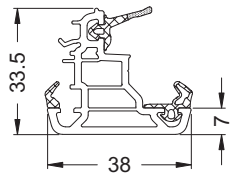
SASH - STANDARD MD 92 mm
9465



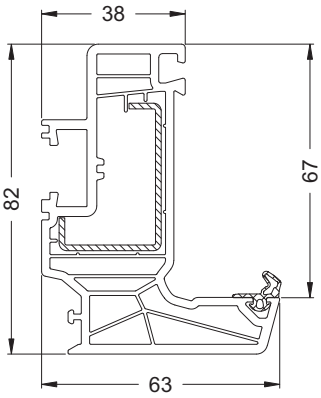
SASH - WIDE MD 112mm
9466



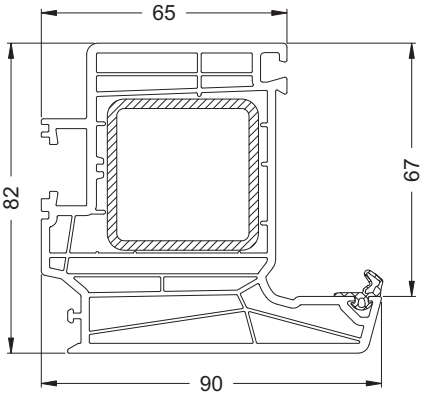
MINI (FLOATING) 38mm
9470



SASH PROFIL TO THE MINI MULLION 63 mm
9482

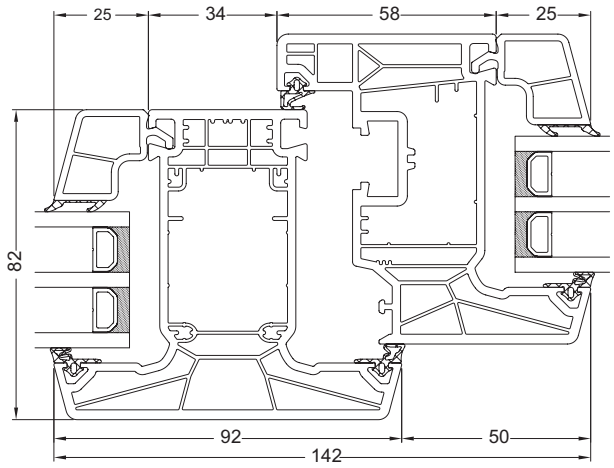


SASH PROFIL TO THE MINI MULLION 90mm
9483

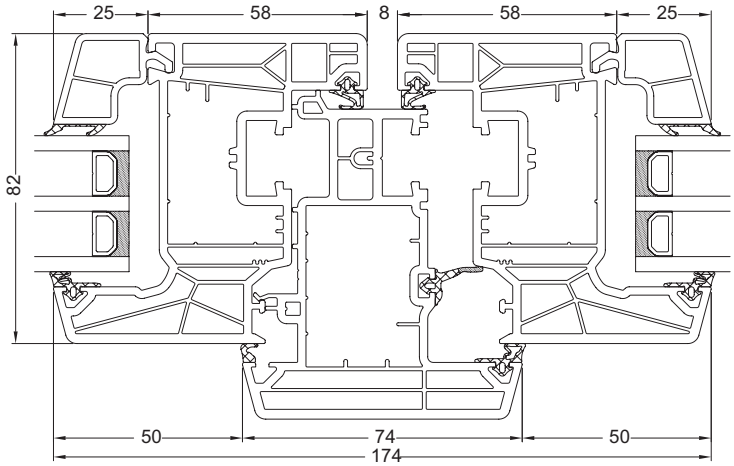


LIVING - CROSS-SECTIONS

STANDARD WINDOW (FIXED MULLION)

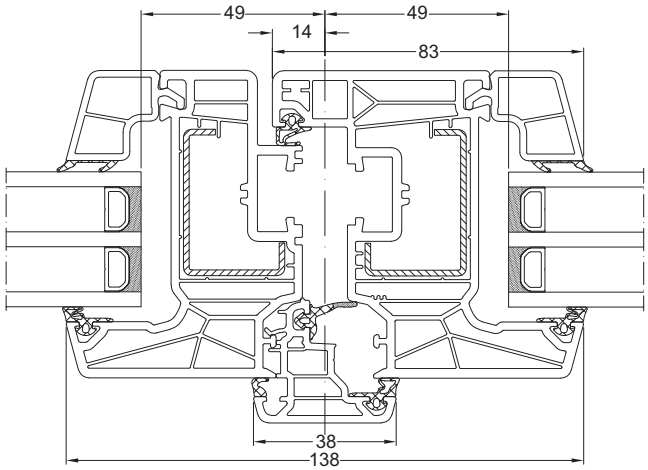


STANDARD WINDOW (FLOATING MULLION)

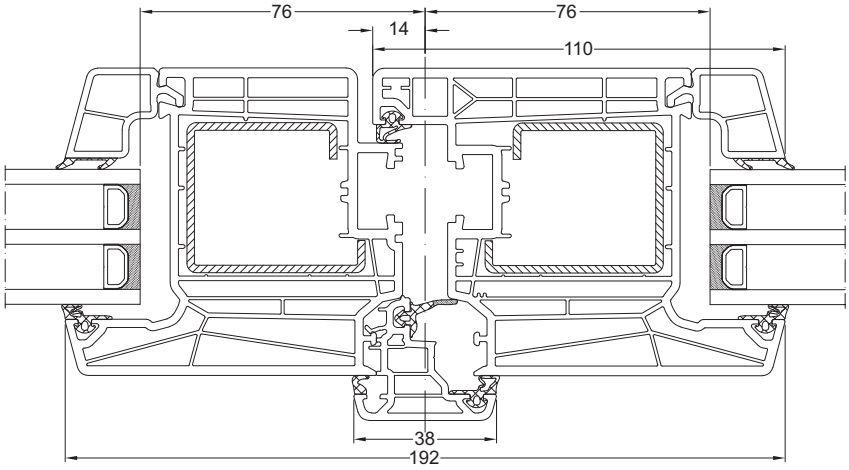


LIVING - CROSS-SECTIONS

WINDOW WITH MINI FLOATING MULLION



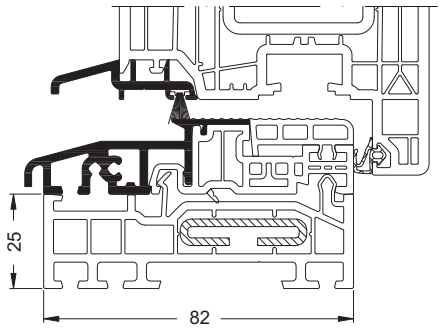
PATIO DOOR WITH MINI FLOATING MULLION



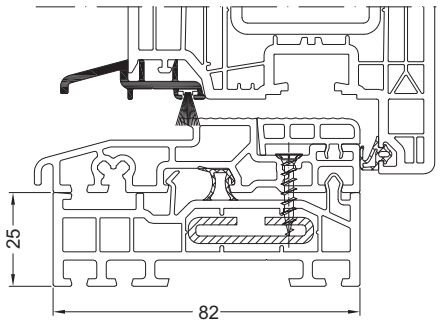
LIVING - CROSS-SECTIONS

MAIN ENTRANCE DOORS INWARD - GOING

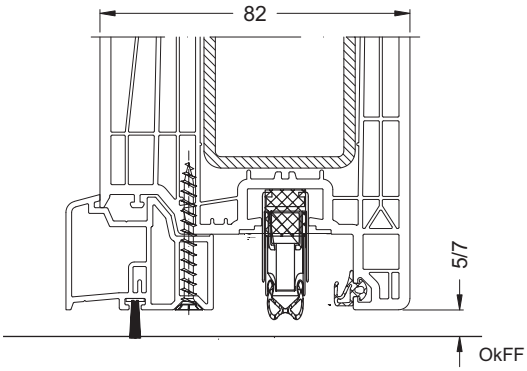
WITH ALU/PCV THRESHOLD



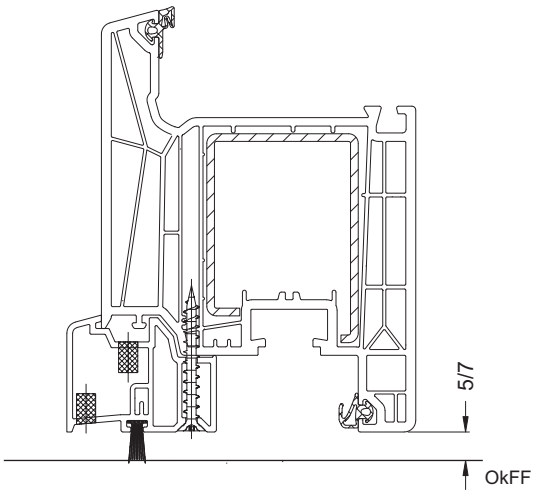
WITH PCV THRESHOLD



NO THRESHOLD - BRUSH + AUTOMATIC GASKET

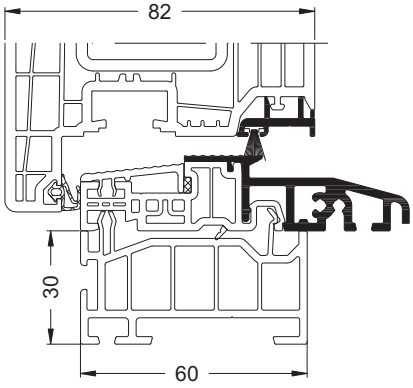


NO THRESHOLD - BRUSH

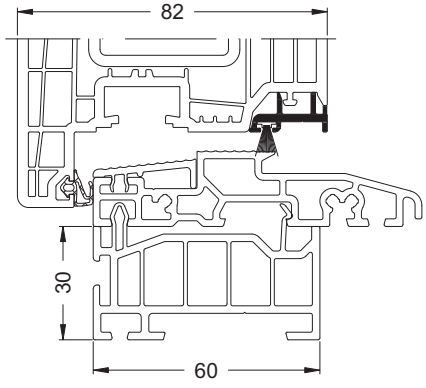


MAIN ENTRANCE DOORS OUTWARD - GOING

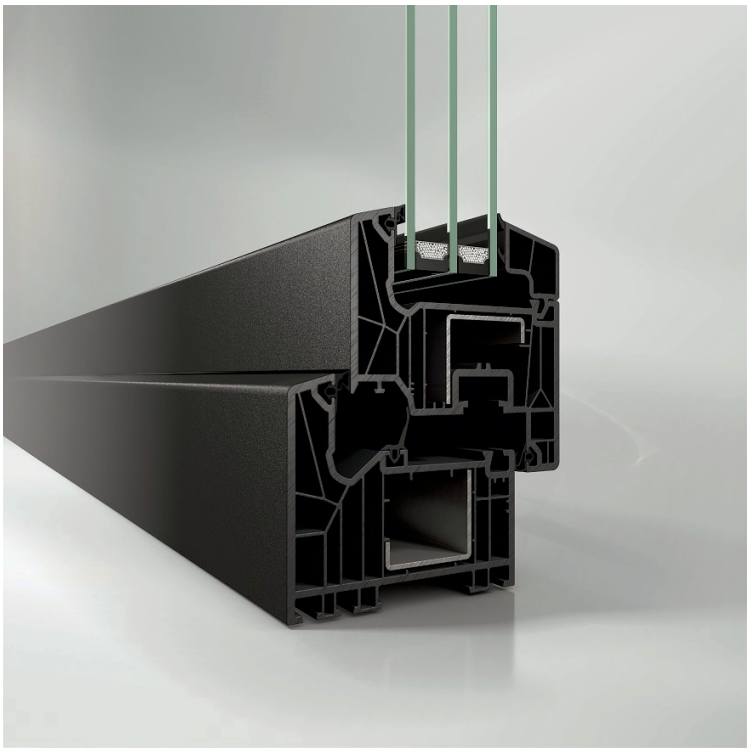
WITH ALU/PCV THRESHOLD

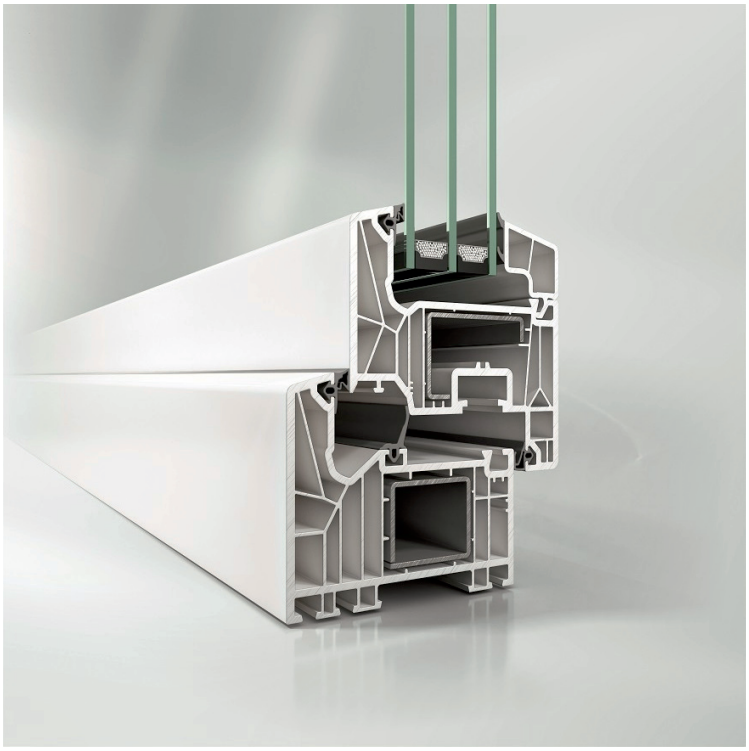


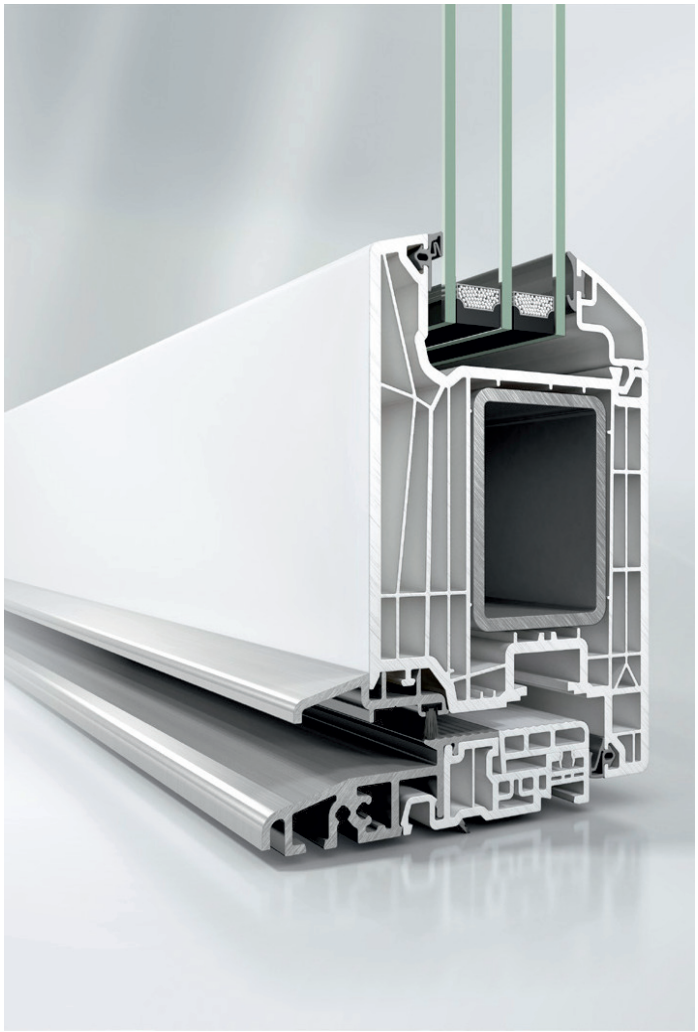
WITH PCV THRESHOLD



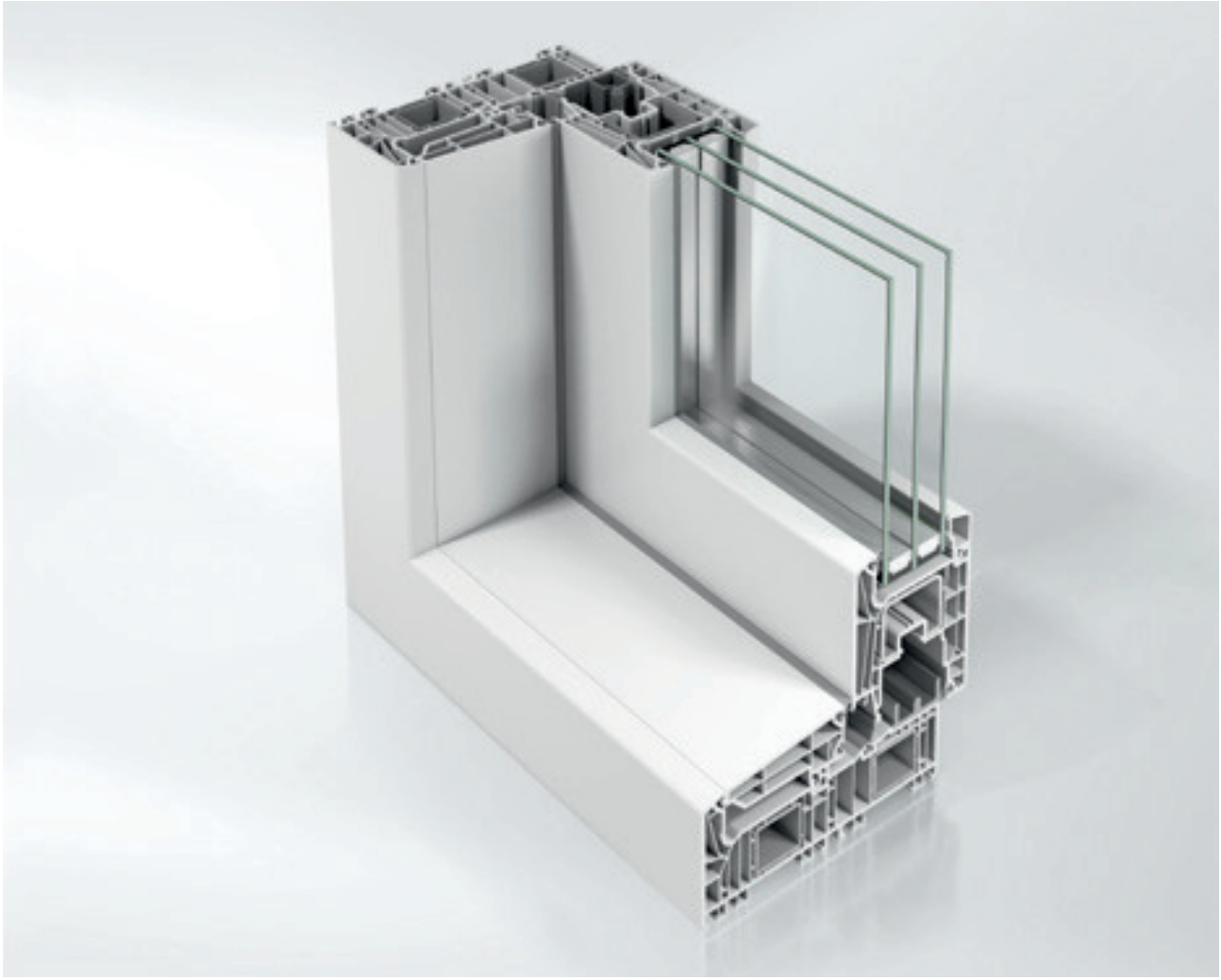
LIVING - PHOTOS

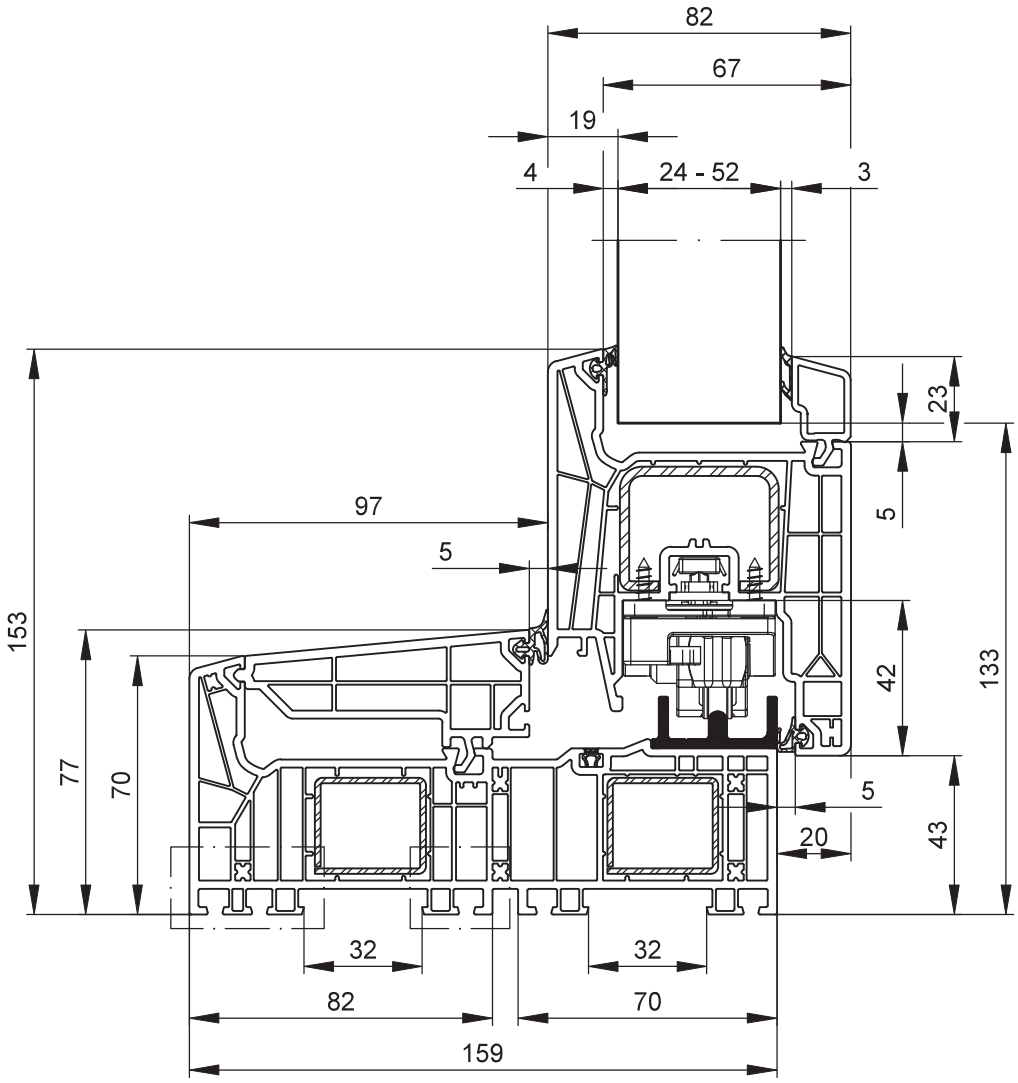


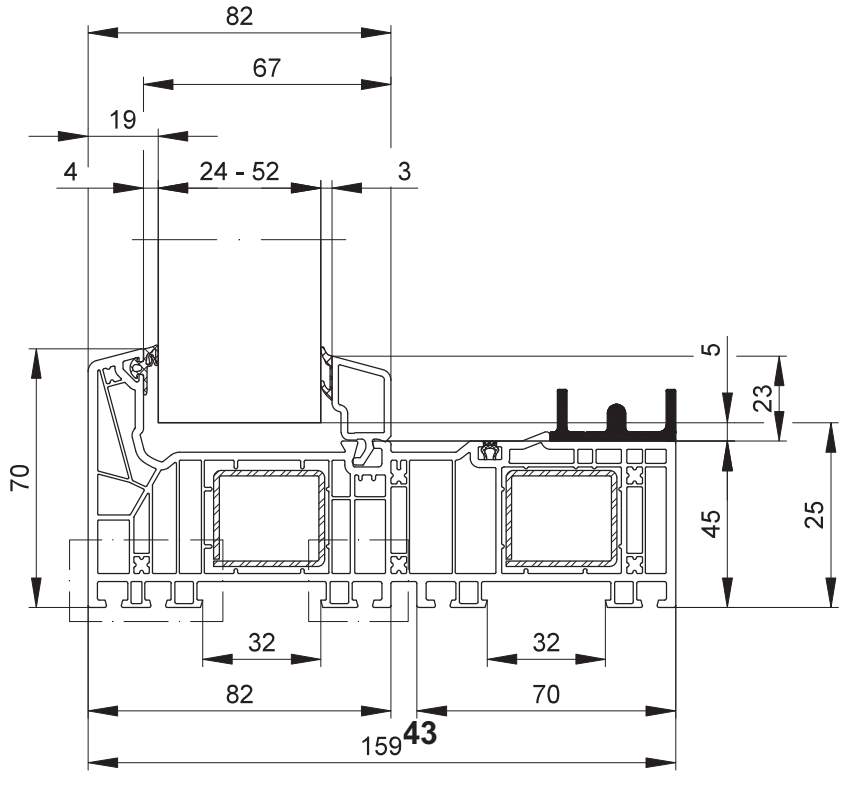




SLIDING DOOR

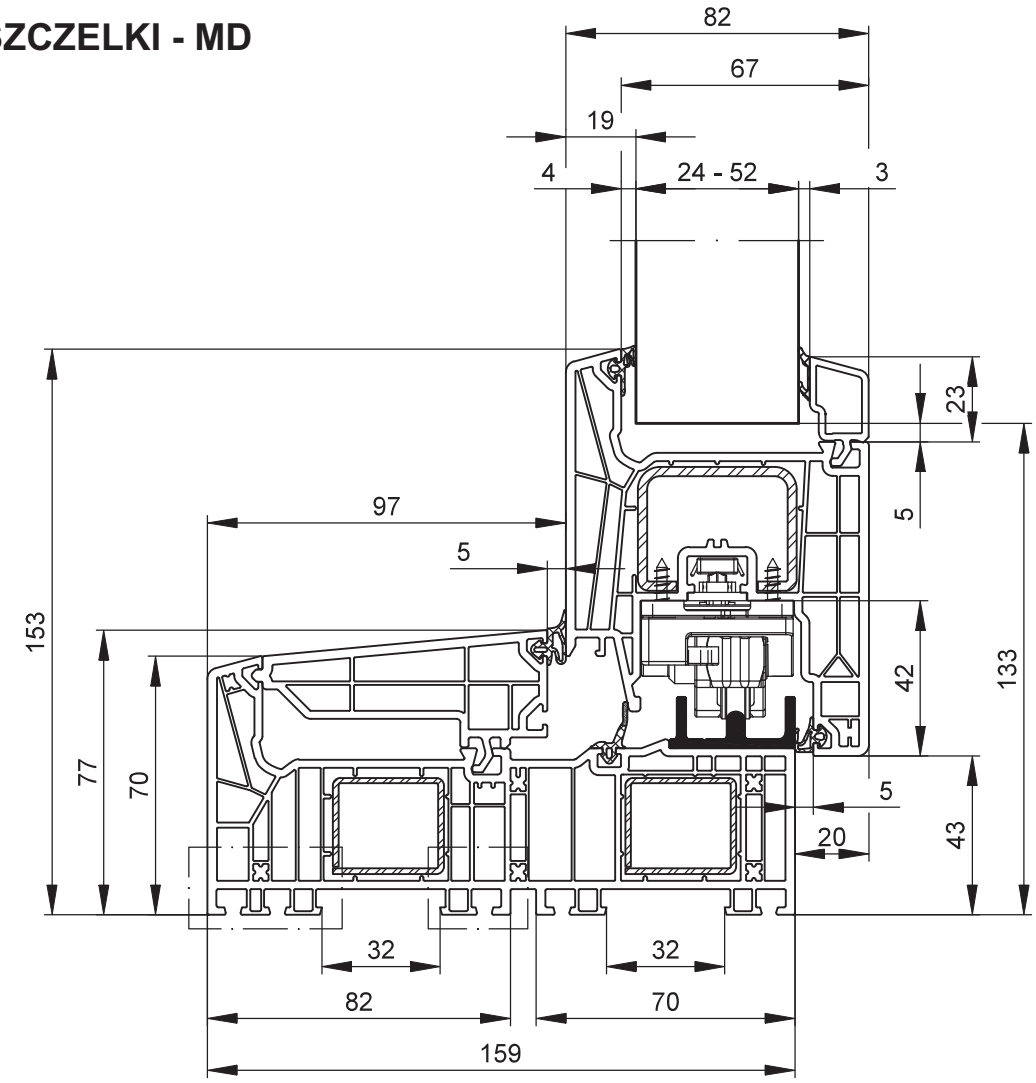


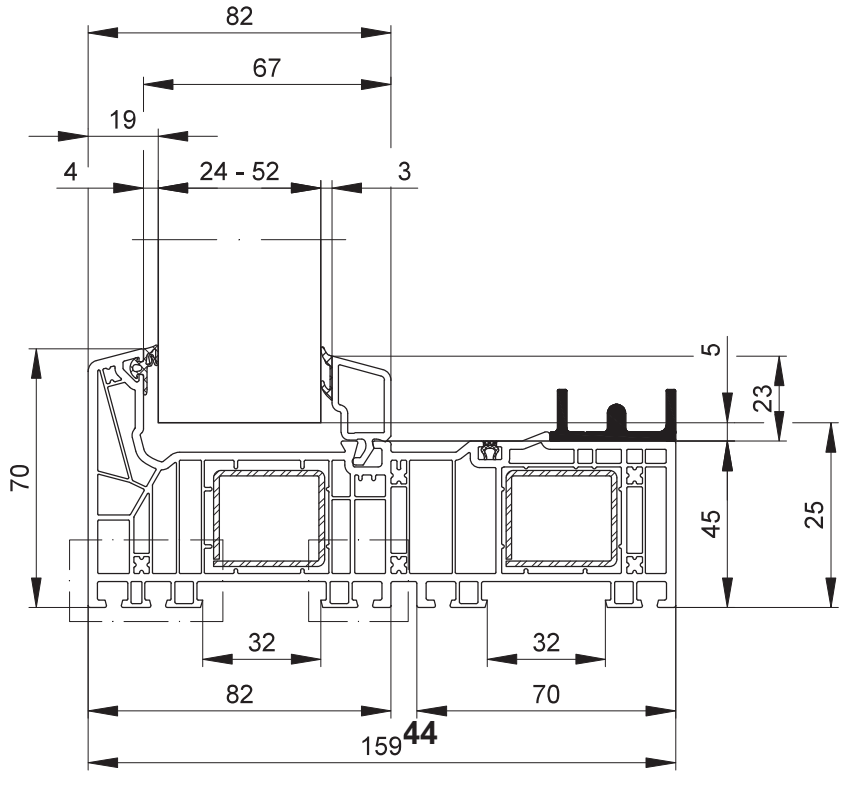

82
67
19
4
24 - 52
3
23
5
97
5
153
42
133
77
70
5
20
43
32
32
82
70
159


82
67
19
4
24 - 52
3
5
23
70
45
25
32
32
82
70
159

Uf = 1,2 W/(m²K)

3 USZCZELKI - MD

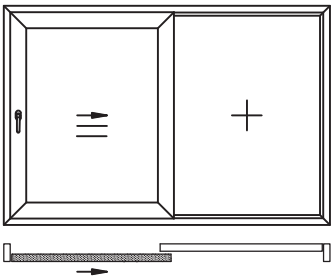




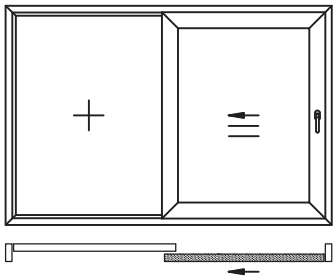
LIVING MOVE - DOOR TYPES

SCHEME A

Typ 01 LH

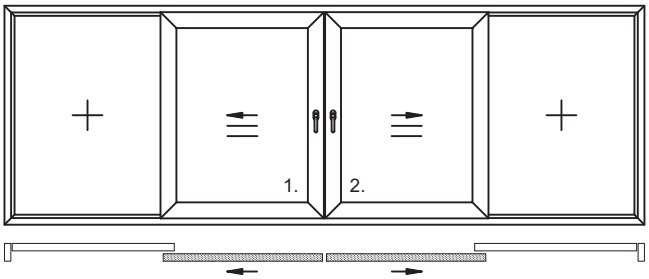


Typ 01 RH



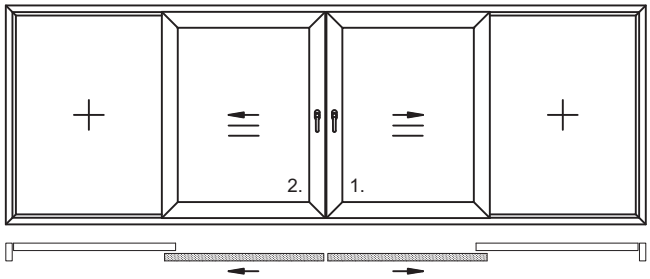
SCHEME C

Typ 06 LH



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT

Typ 06 RH



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

Maximum and minimum external dimensions of the frame with symmetrical division (width x height)

		Type 01	Type 06
Maximum external dimensions of the frame (BxH)	White	4422 x 2500 mm	6000 x 2500 mm
	Color	4422 x 2400 mm	6000 x 2400 mm
Minimum external dimensions of the frame (BxH)	White	1422 x 790 mm *	2690 x 790 mm *
	Color	1422 x 790 mm *	2690 x 790 mm *

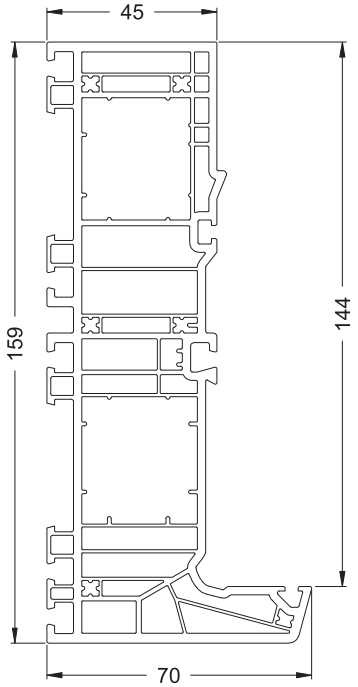
* Sash width : Sash height ≤ 1 : 2

Maximum surface area and maximum profile lengths

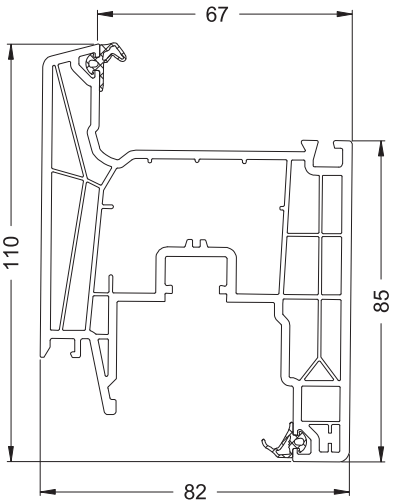
		Type 01	Type 06
Maximum element area	White	11 m²	15 m²
	Color	10,6 m²	14,4 m²
Maximum frame width	White	4,42 m.	6,0 m
	Color	4,42 m.	6,0 m
Maximum T-profile length	White	2,42 m.	2,42 m
	Color	2,32 m.	2,32 m

LIVING MOVE - LIST OF PROFILES

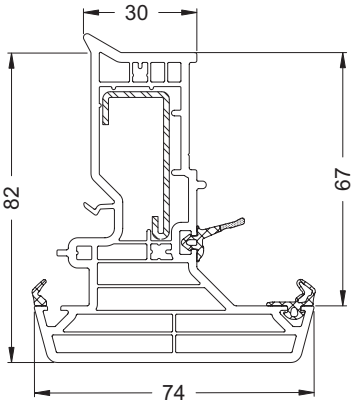
FRAME
9770



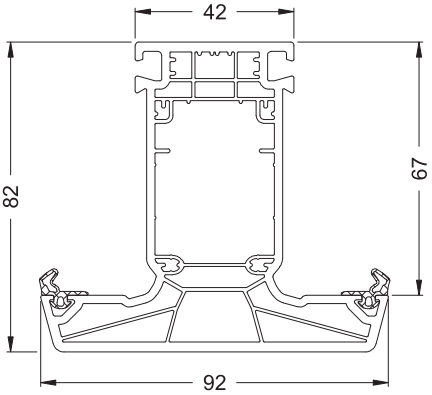
SASH
9771



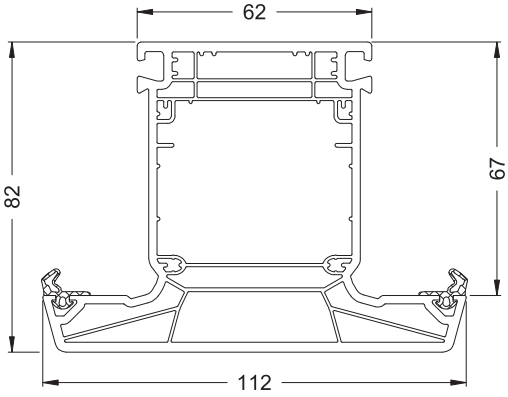
STANDARD FLOATING
9777



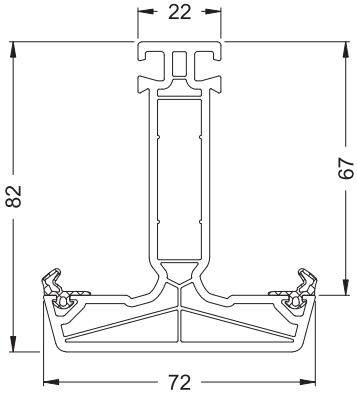
MULLION 82/92
9461



MULLION 82/112
9462

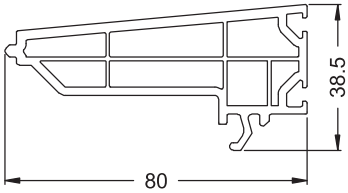


MULLION TO THE SASH 82/72
9460

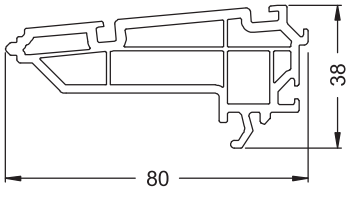


SUPPLEMENTARY PROFILES

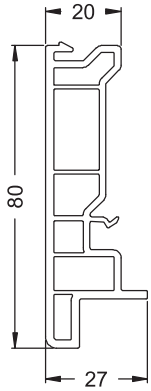
9774



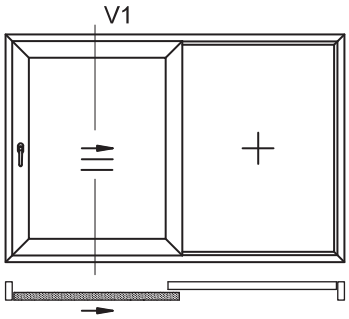
9775

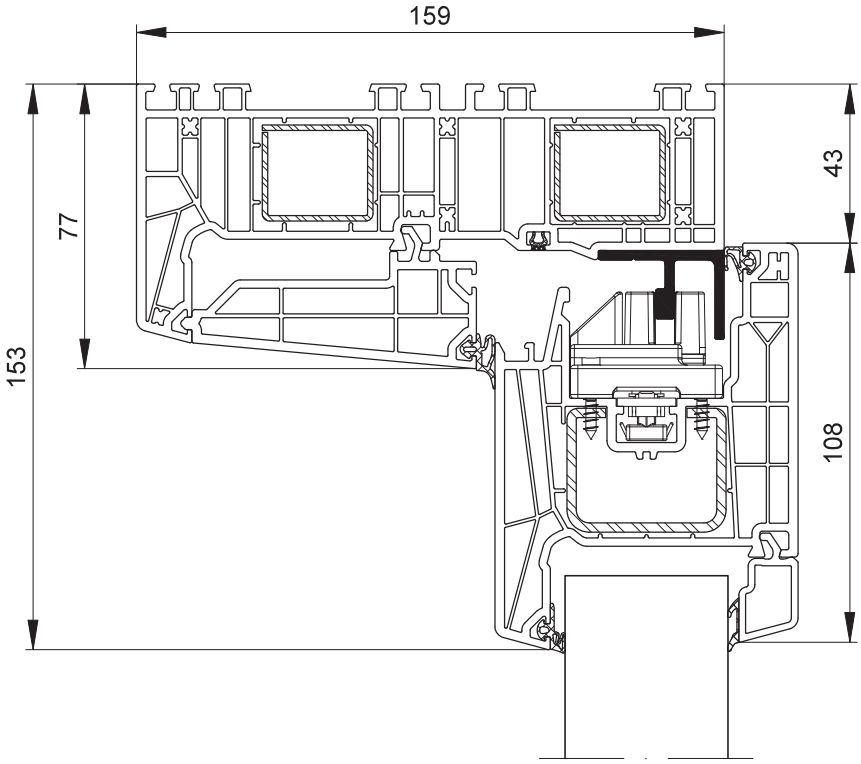


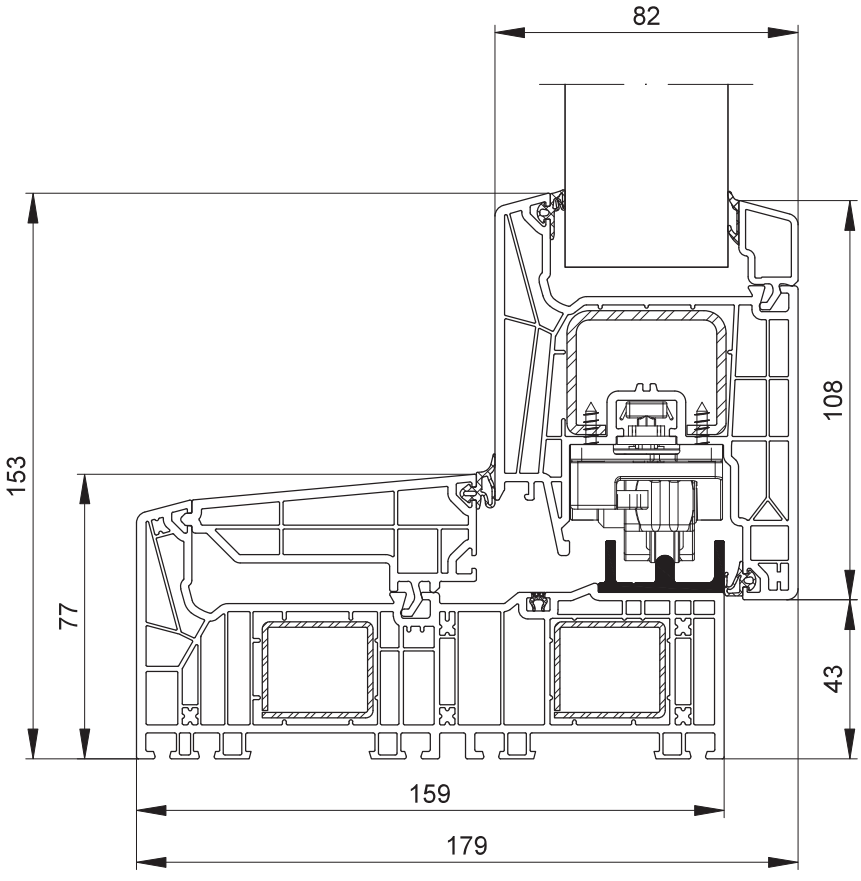
9776



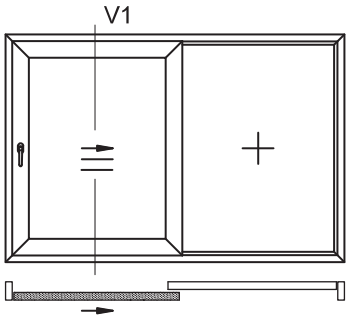
LIVING MOVE - CROSS SECTIONS

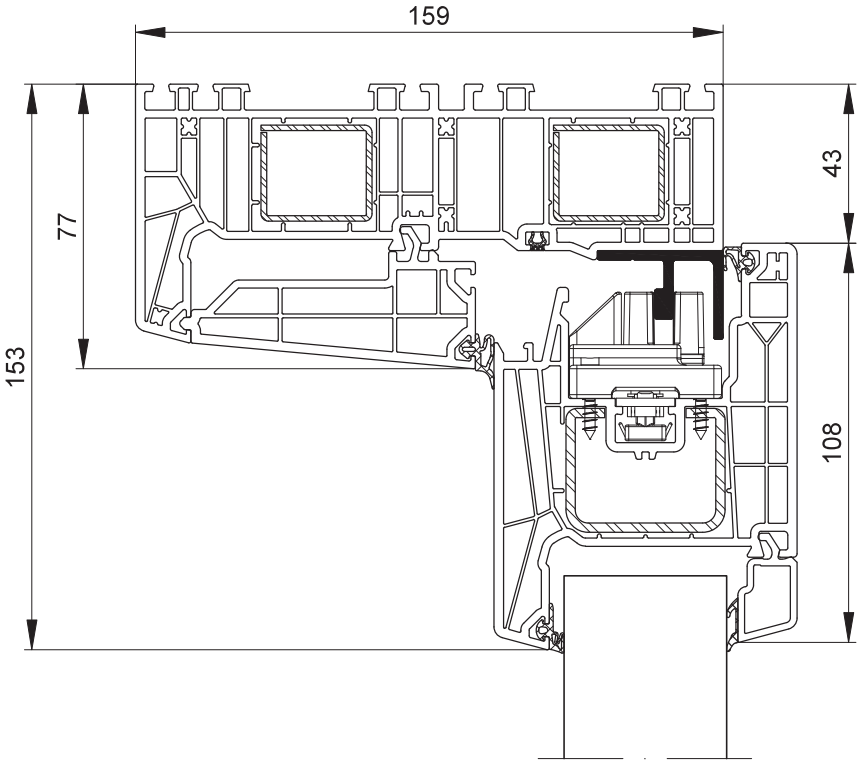


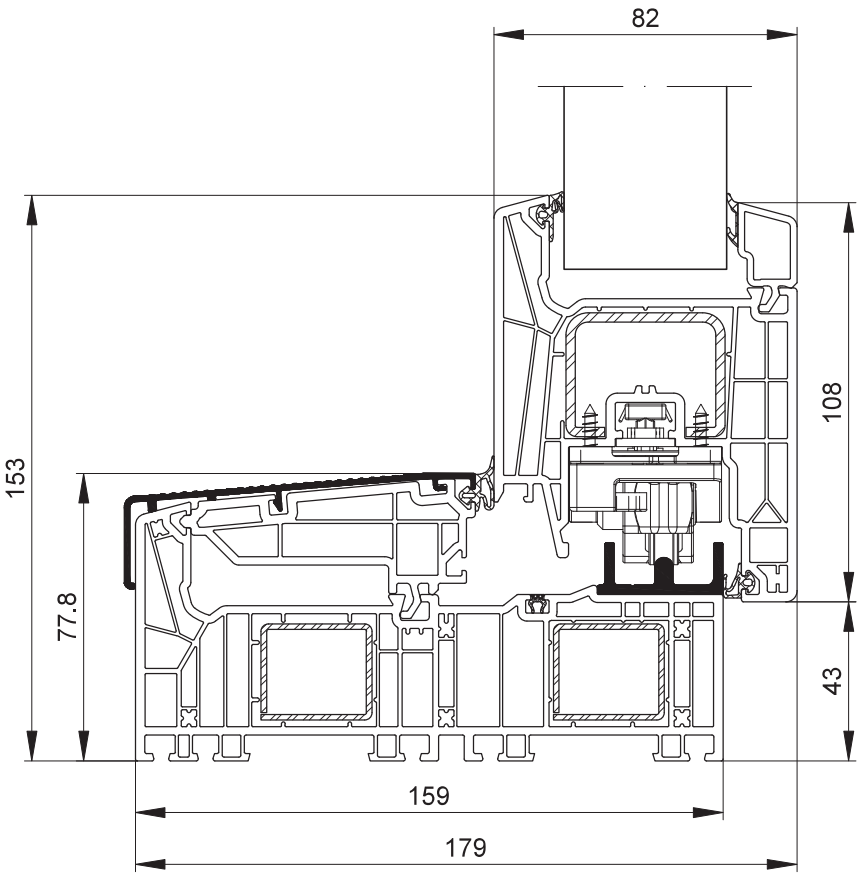




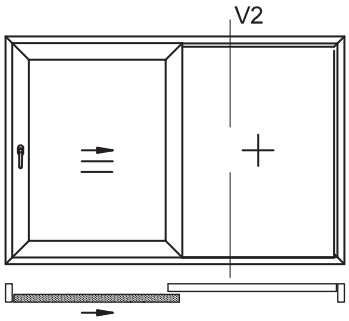
LIVING MOVE - CROSS SECTIONS

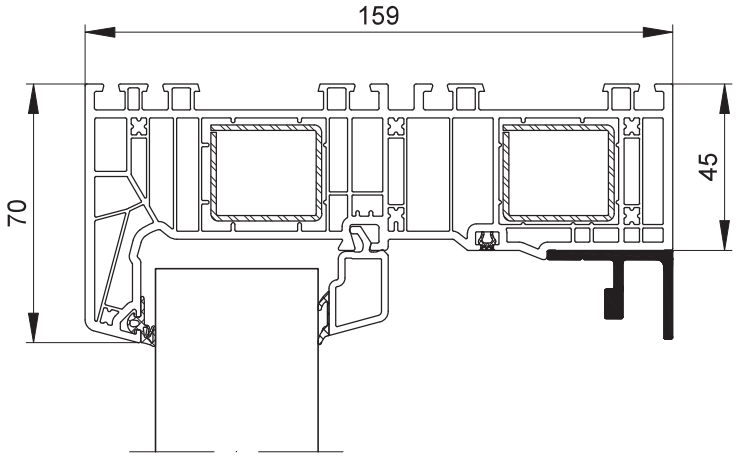


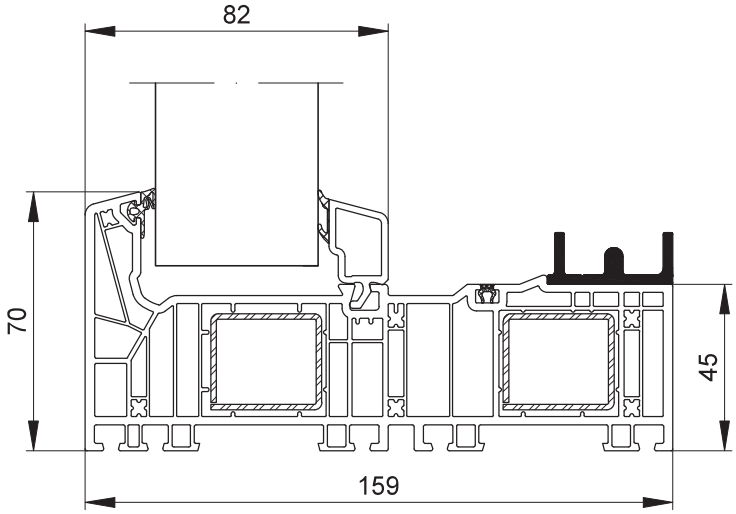




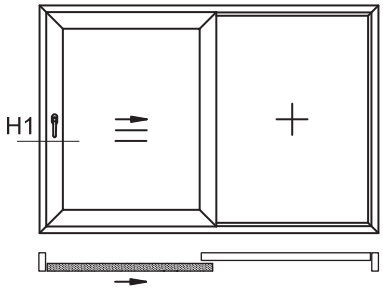
LIVING MOVE - CROSS SECTIONS

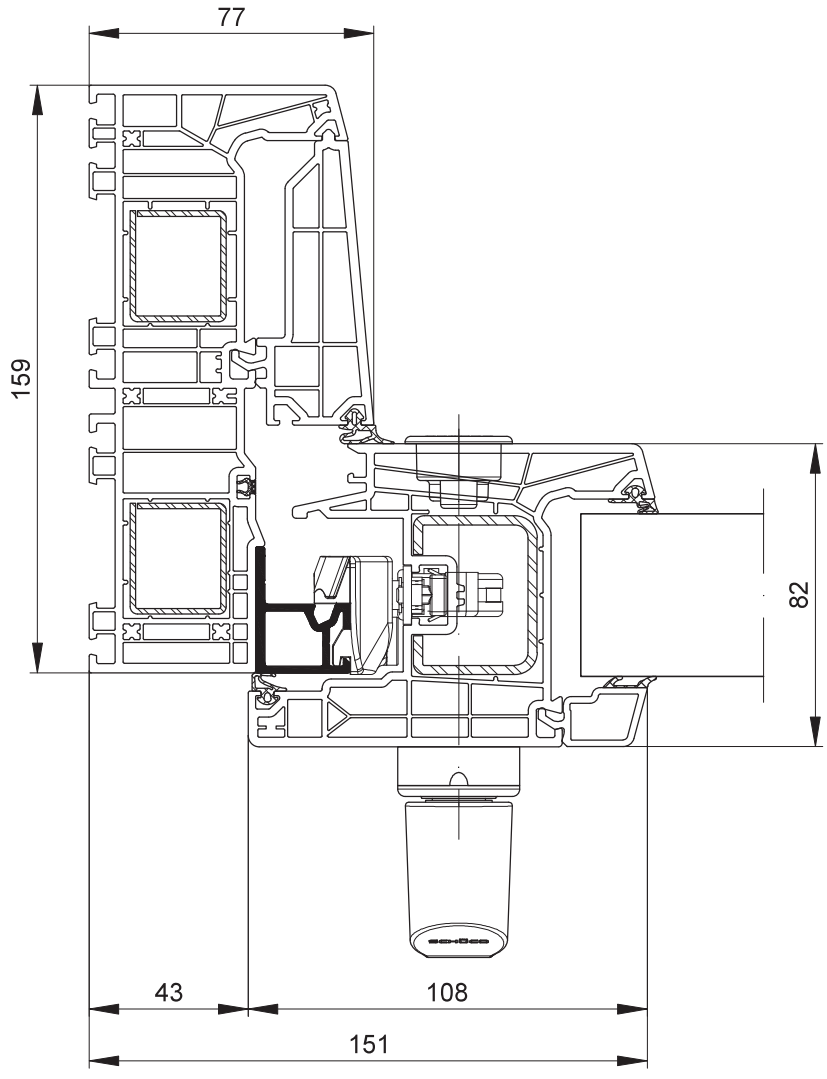




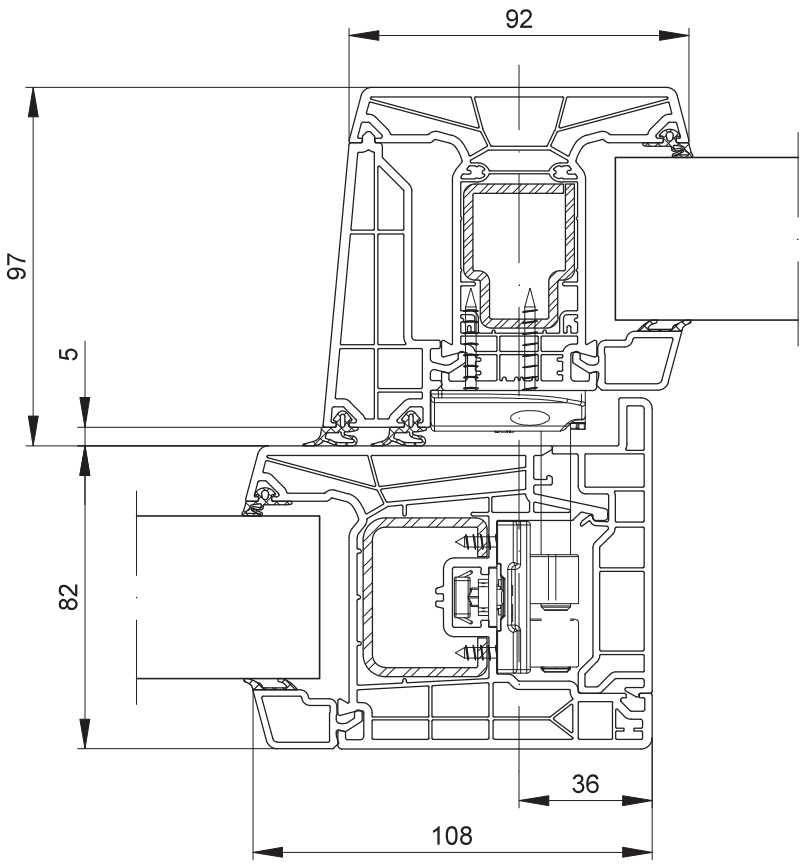


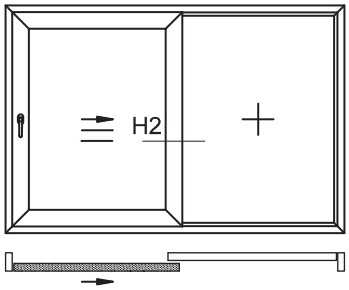
LIVING MOVE - CROSS SECTIONS

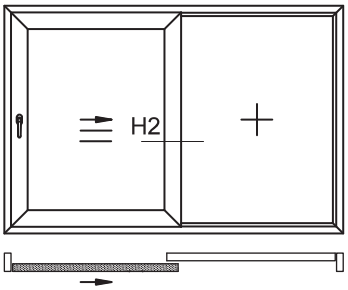


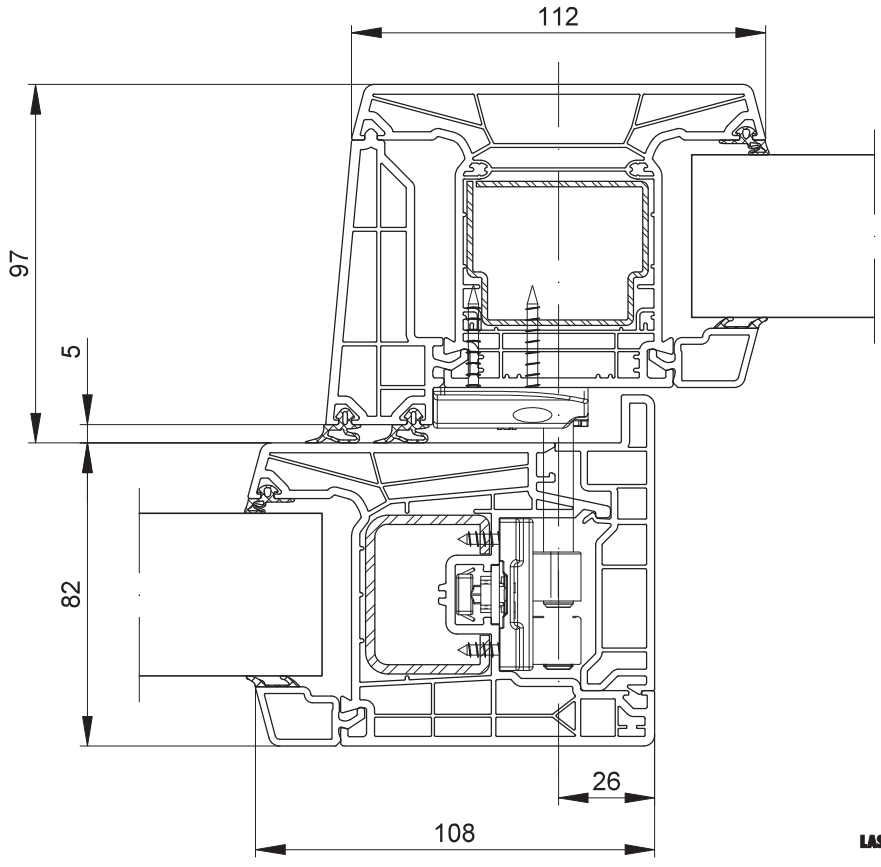


LIVING MOVE - CROSS SECTIONS

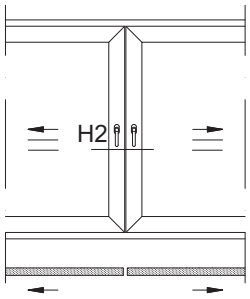


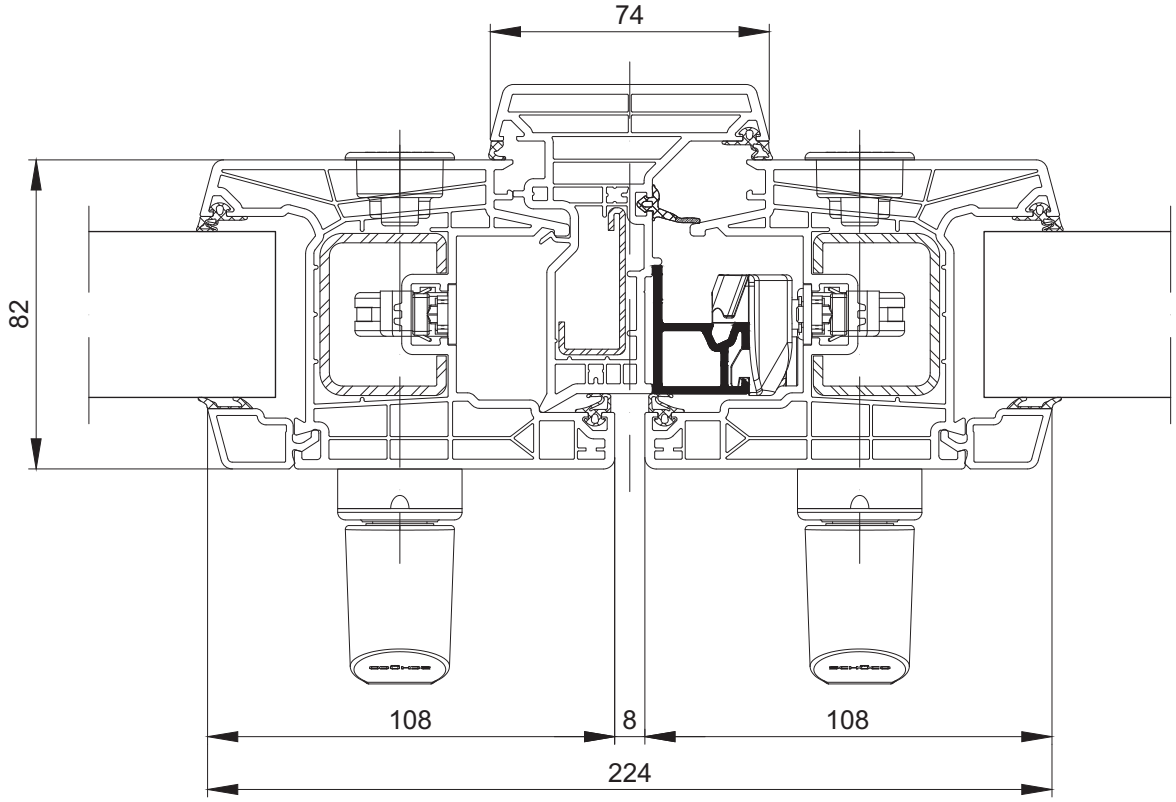




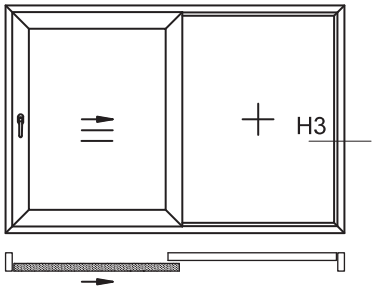


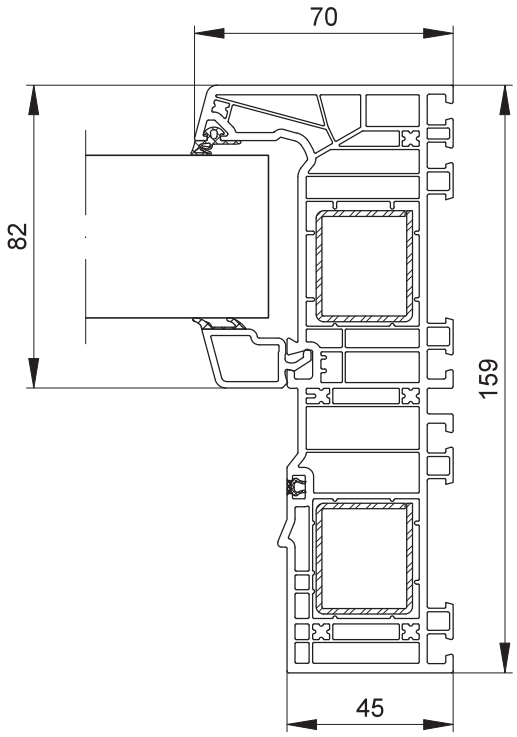
LIVING MOVE - CROSS SECTIONS





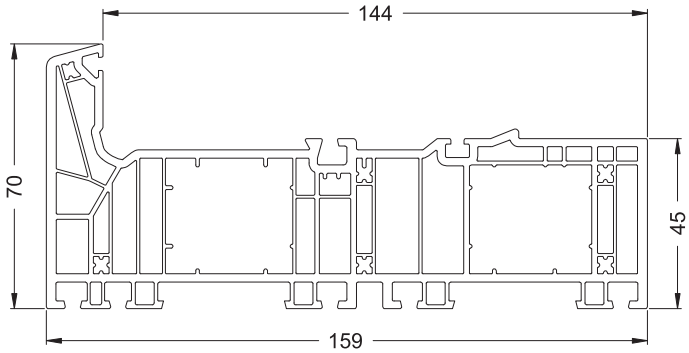
LIVING MOVE - CROSS SECTIONS



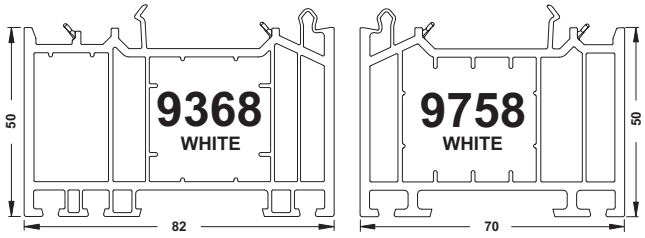


LIVING MOVE - USING EXTENSIONS

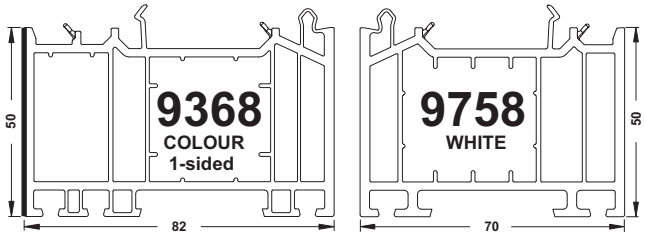
FRAME
9770



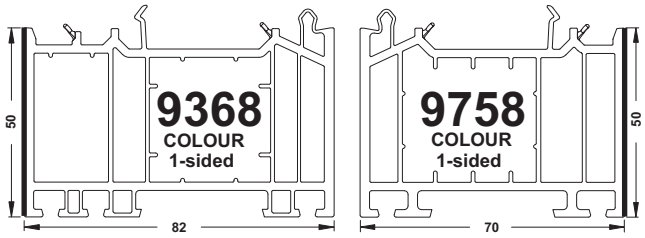
WHITE



COLOUR 1-sided



COLOUR 1-sided



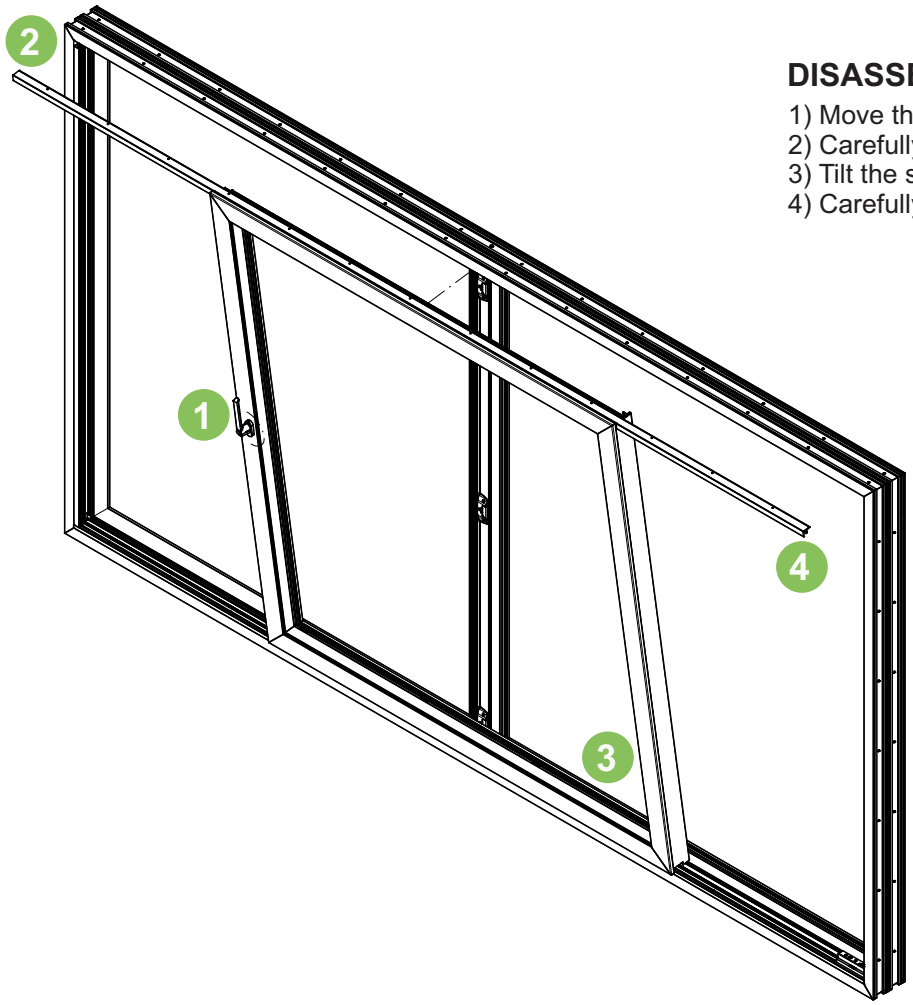
The same rule applies to the other extensions:

82mm	70mm
9366	9756
9367	9757
9369	9759

LIVING MOVE - SASH ASSEMBLY / DISASSEMBLY

ASSEMBLY

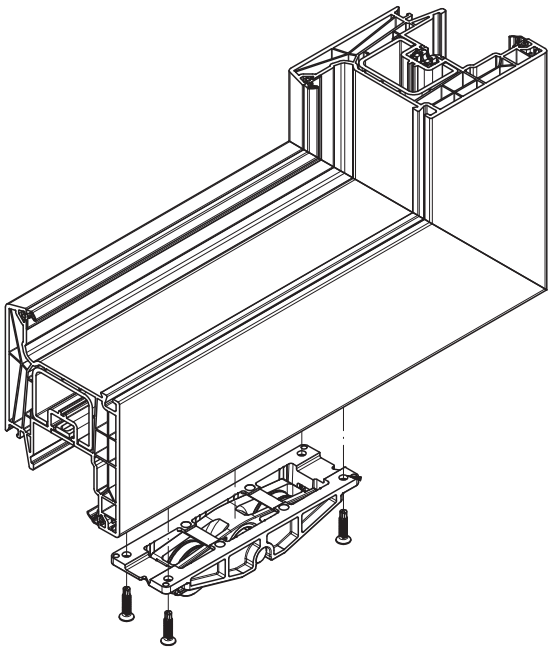
1) Move the sash fitting to the open position - turn the handle up
2) Unscrew the upper guide and place it on the leaf
3) Place the sash on the rail and embed it in the frame
4) Screw the upper guide to the frame



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

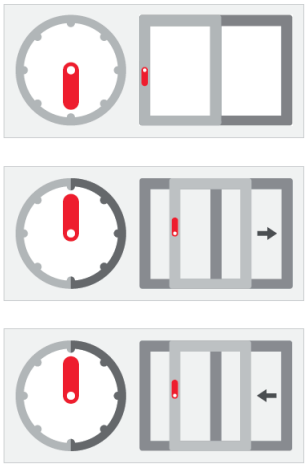
TROLLEYS



When leaf weight < 200 kg, 2 trolleys are used

For leaves weighing > 200 kg, 4 trolleys are used

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

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



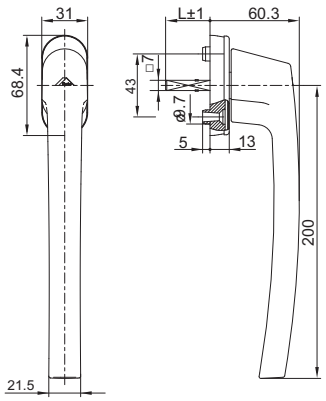
MVS sensor with hook

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.

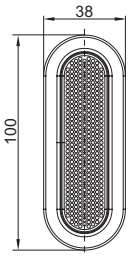
HANDLES

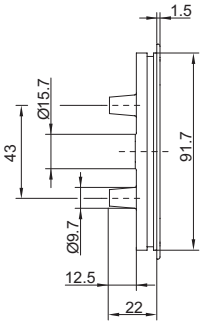
INTERIOR HANDLE + GRIP





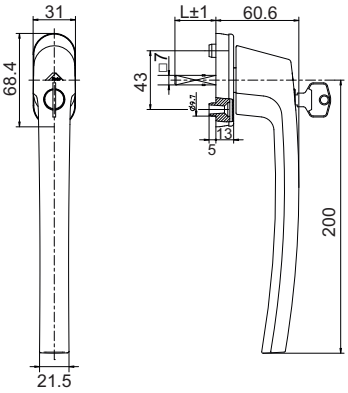






INTERIOR HANDLE WITH LOCK + GRIP

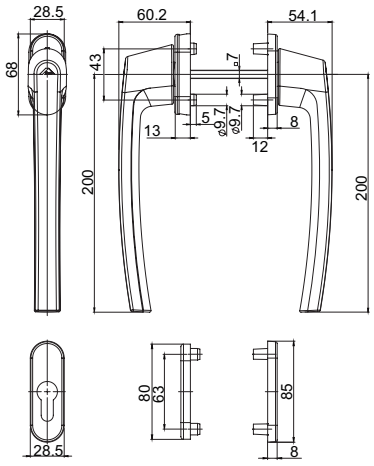




	Roto		
43	R01.1	Natural silver	Eloks.
	R01.2	New silver	Eloks.
	R01.3	Titanium	Eloks.
	R01.5	Silver	Powder coated
	R02.2	Anthracite	Powder coated
	R04.4	Brown	Powder coated
	R05.3	Medium brown	Eloks.
	R05.4	Dark brown	Powder coated
	R05.5	Brown	Eloks.
	R06.2M	Black mat	Powder coated
	R07.2	White	Powder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

DOUBLE SIDED HANDLE + CYLINDER



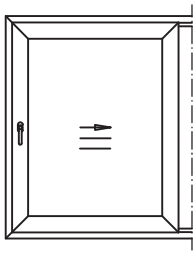


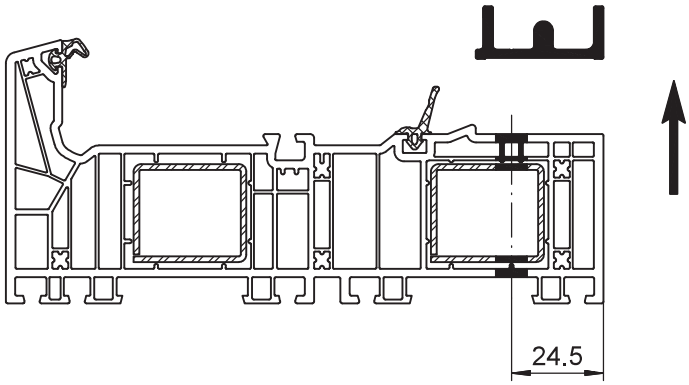
The double-sided handle is available in limited colors:
- R01.1 - Natural silver
- R06.2M - Black mat
- R07.2 - White

LIVING MOVE - HOLES FOR ANCHOR PEGS

Place of installation for anchor pegs

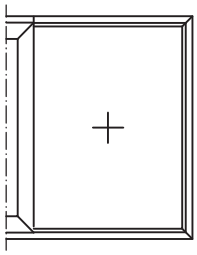
MOVABLE SASH

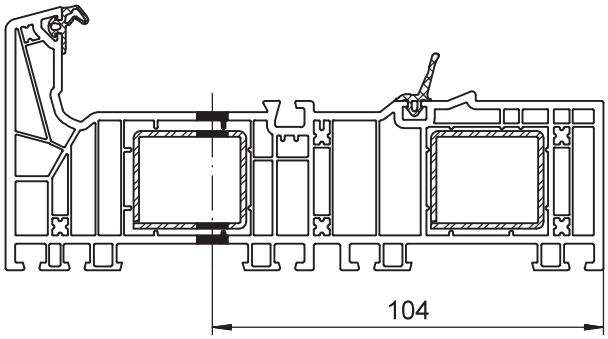




Drilling holes for dowels in the door leaf area:
During installation in the building structure, the running rails and guides must be removed.

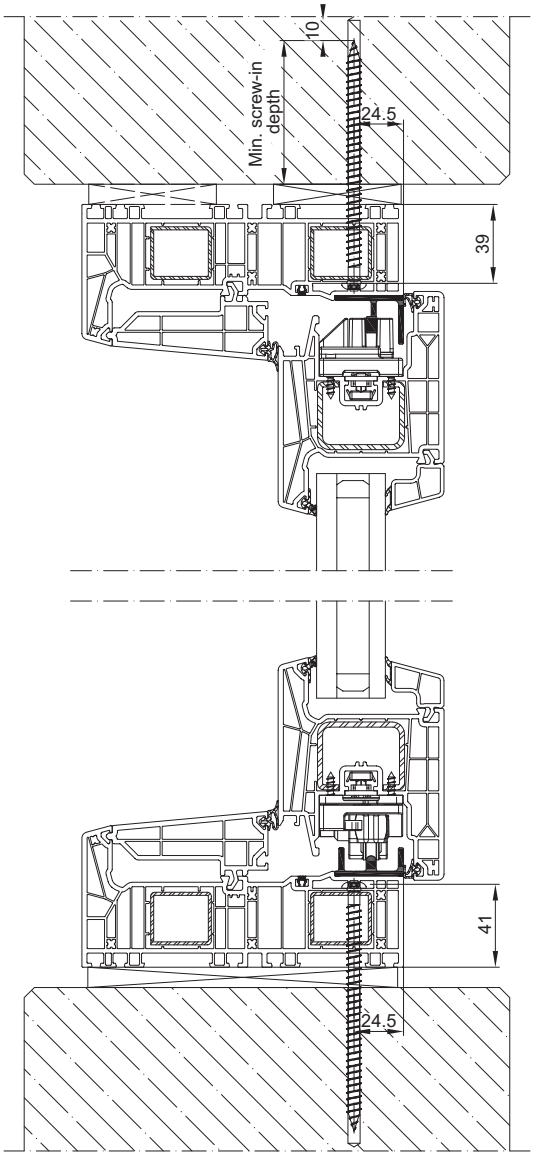
FIXED SASH

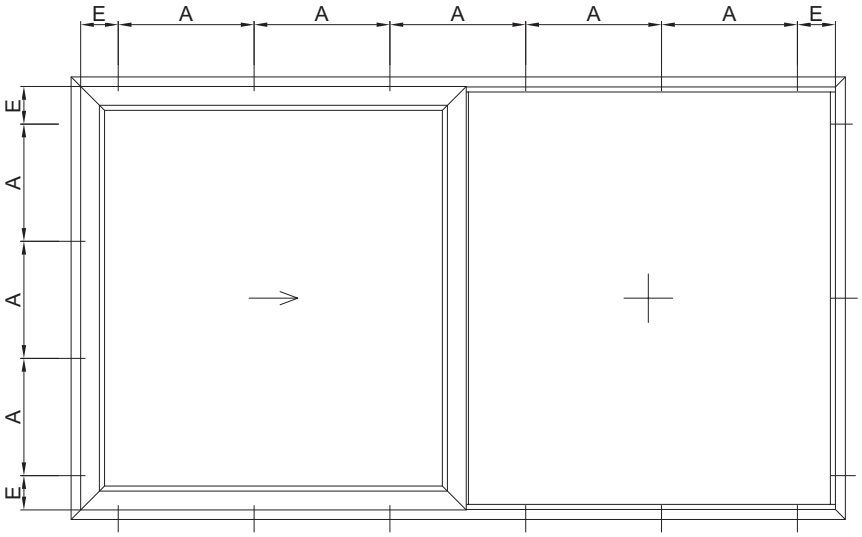




Drilling holes for dowels in the fixed field area:
When installing in the building structure, the glass must be removed.

LIVING MOVE - INSTALLATION

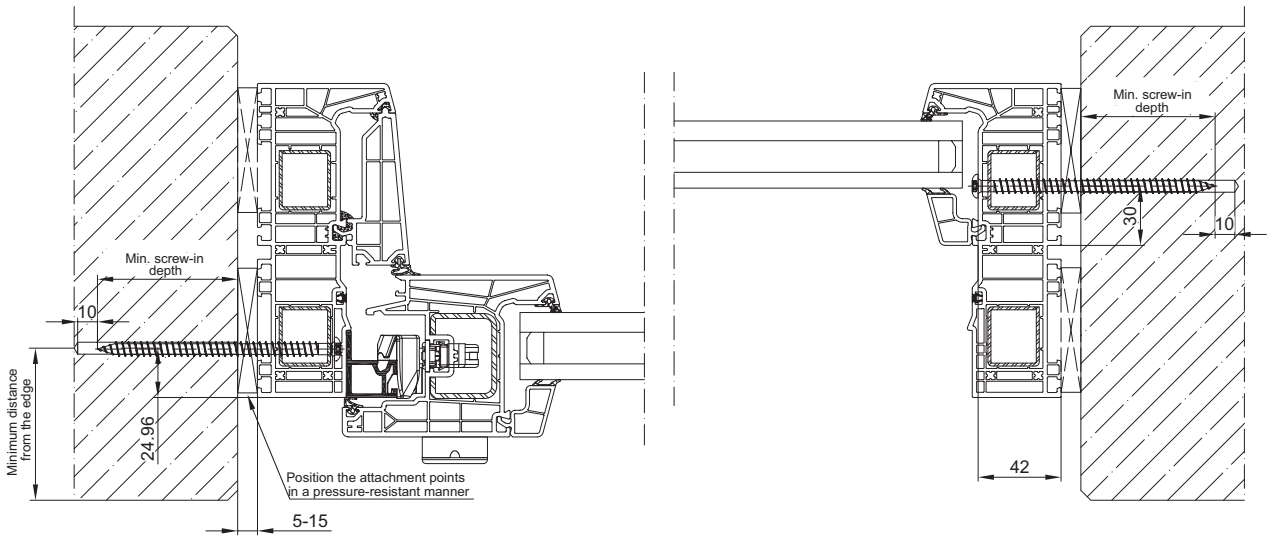


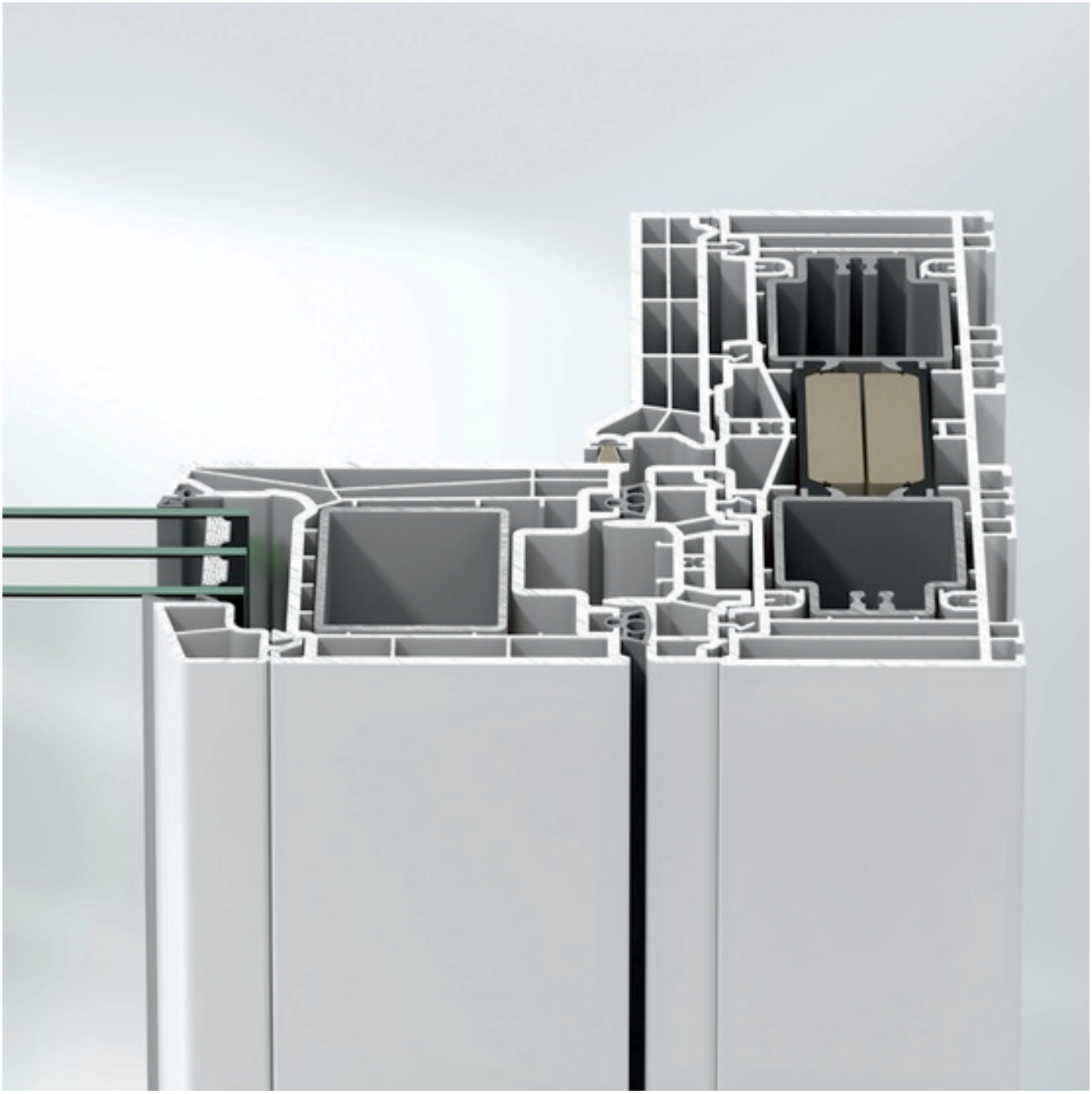


E = distance from the edge of the frame profile approx. 150mm

A = mounting distance approx. 700mm (for RC2 max. 500mm)

Building material	Pre-drilling	Drilling method	Minimum distance from the edge	Minimum screw-in depth	
				standard	RC2
Concrete (≥ C12/15)	Ø 6	Hammer drilling	50 mm	30 mm	50 mm
Solid lime-silicate brick	Ø 6	Hammer drilling	50 mm	40 mm	50 mm
Silicate brick (≥ SFK 12)	Ø 6	Rotary drilling	50 mm	50 mm	100 mm
Solid brick	Ø 6	Hammer drilling	50 mm	40 mm	50 mm
Cegły perforowane (≥ SFK 12)	Ø 5	Rotary drilling	50 mm	60 mm	100 mm
Perforated bricks (≥ SFK 6)	Ø 6	Rotary drilling	50 mm	60 mm	100 mm
Aerated concrete (PP4)	-	-	60 mm	60 mm	100 mm
Softwood (S10)	-	-	50 mm	60 mm	80 mm
Hardwood	Ø 5	Rotary drilling	50 mm	40 mm	50 mm
Steel	Ø 6,5	Rotary drilling	50 mm	-	

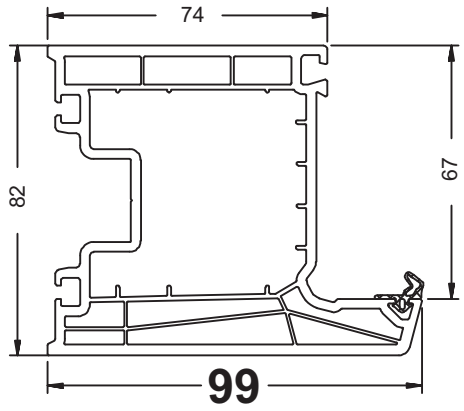




LIVINGSLIDE - LIST OF SASH PROFILES

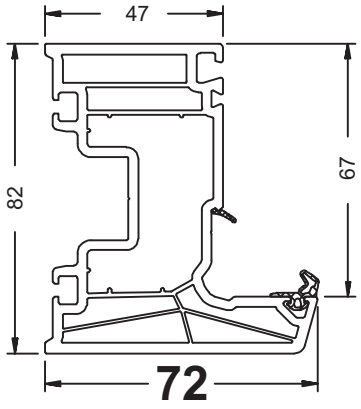
9713

Standard



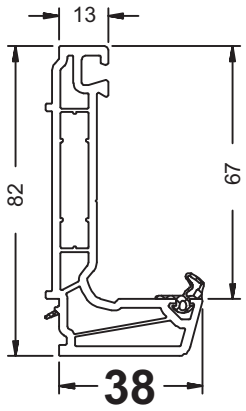
9740

Panorama



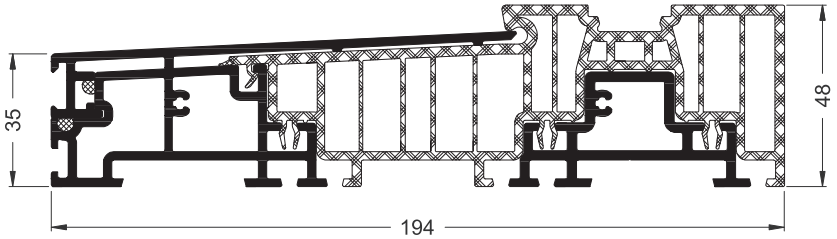
9726

FIX- Panorama

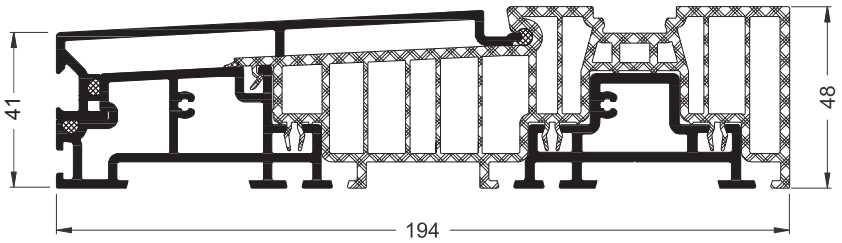


LIVINGSLIDE - THRESHOLD VARIANTS

Standard threshold



Barrier-free threshold



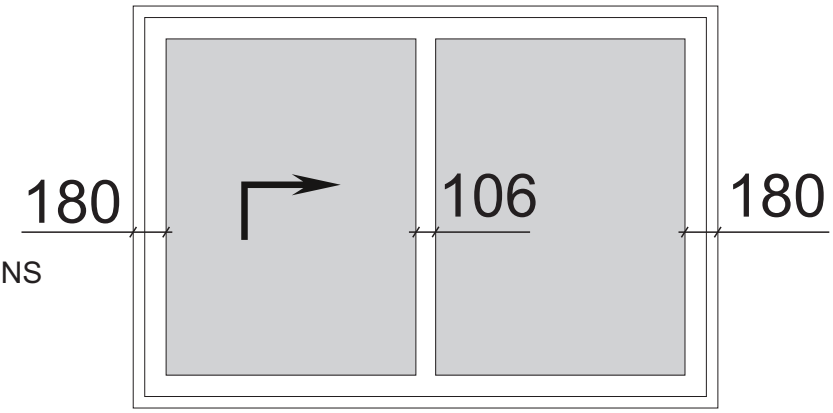
LIVINGSLIDE - SASHES VARIANTS

VARIANT 1

SASHES
STANDARD 9713 + 9713

GLASS - IDENTICAL DIMENSIONS

STD VERSION - RECOMMENDED
FOR LARGEDIMENSIONS

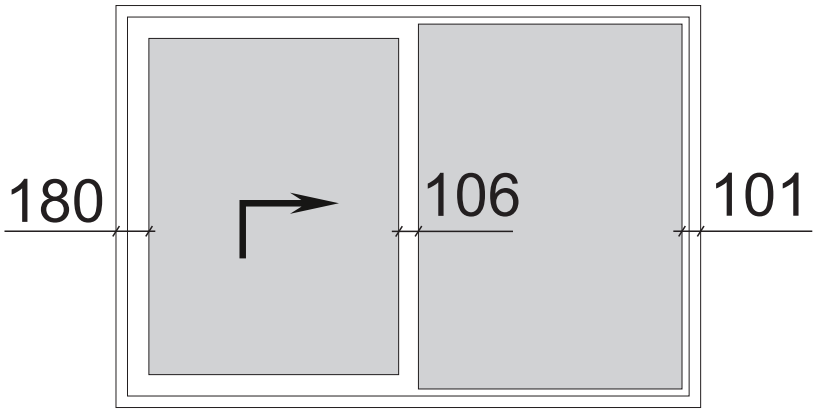


VARIANT 2

SASHES
STANDARD 9713
+ PANORAMA-FIX 9726

GLASS - DIFFERENT DIMENSIONS !!!

MORE LIGHT IN THE FIX
FIX AREA > min 11%

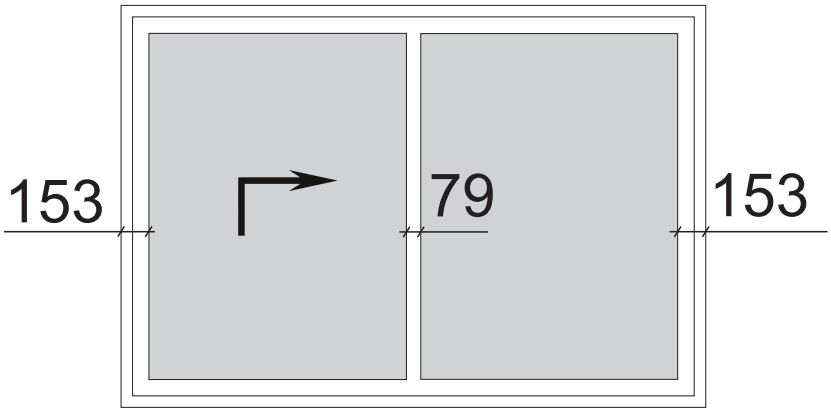


VARIANT 3

SASHES
PANORAMA 9740 + 9740

GLASS - IDENTICAL DIMENSIONS

AN ALTERNATIVE FOR - VARIANT 1
- MORE LIGHT ok. 6%
- SHAPER APPEARANCE WITH SMALLER DIMENSIONS

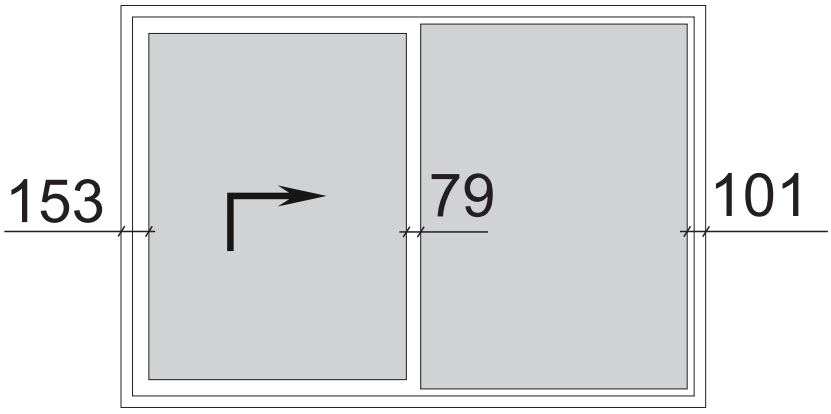


VARIANT 4

SASHES
PANORAMA 9740
+ PANORAMA-FIX 9726

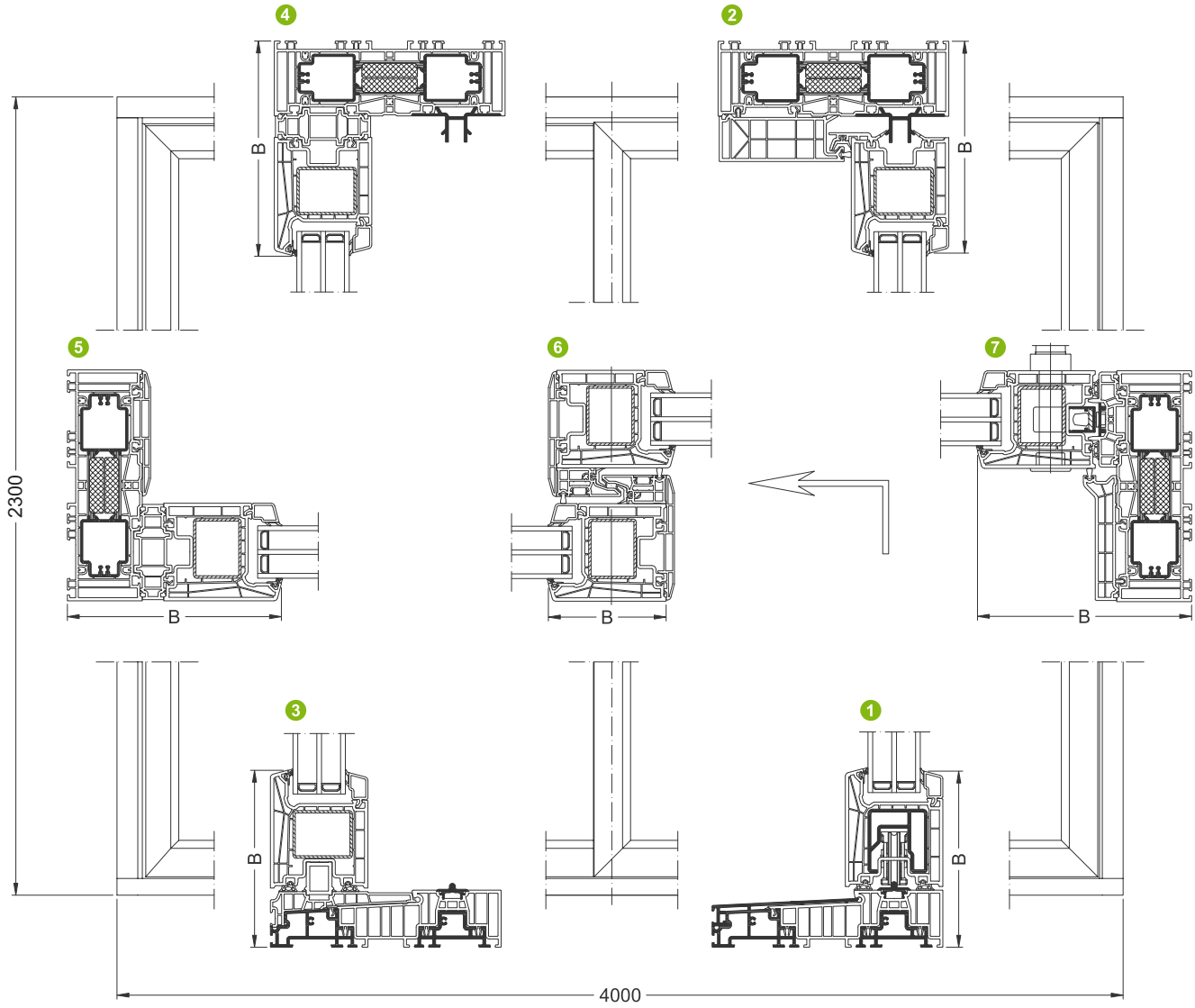
GLASS - DIFFERENT DIMENSIONS !!!

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



LIVINGSLIDE - VALUES OF THE U FACTOR

VARIANT 1 - STANDARD SASH 9713

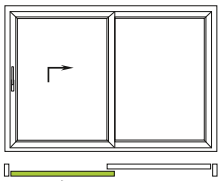


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

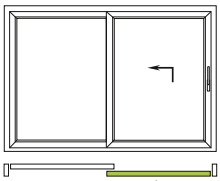
Section detail	Face width (B) in mm	U_f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	150	1,5	1,5	1,4
2	180	1,4	1,4	1,3
3	150	1,5	1,5	1,5
4	180	1,2	1,2	1,2
5	180	1,2	1,2	1,1
6	106	1,7	1,6	1,5
7	180	1,2	1,1	1,1
Total		9,7	9,5	9,1
Average value		1,39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

LIVINGSLIDE - DOOR TYPES

VARIANT 1 - STANDARD SASH 9713



LEFT

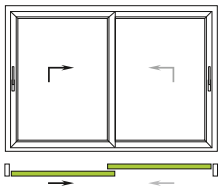


RIGHT

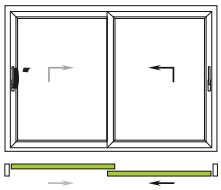
Type 01

MAXIMUM SIZE W X H:

5000 x 2600 mm	Laminated
6500 x 2800 mm	White



LEFT

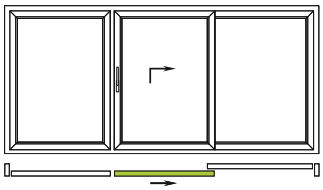


RIGHT

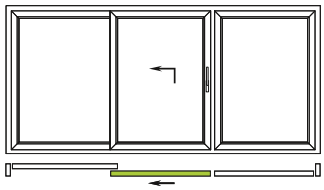
Type 02

MAXIMUM SIZE W X H:

5000 x 2600 mm	Laminated
6500 x 2800 mm	White



LEFT

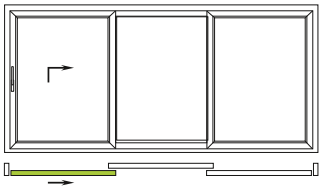


RIGHT

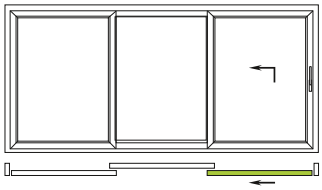
Type 03

MAXIMUM SIZE W X H:

6500 x 2350 mm	Laminated
6500 x 2500 mm	White



LEFT

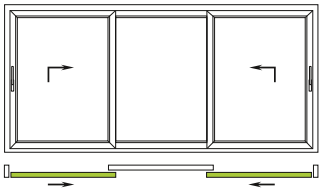


RIGHT

Type 04

MAXIMUM SIZE W X H:

6500 x 2600 mm	Laminated
6500 x 2800 mm	White

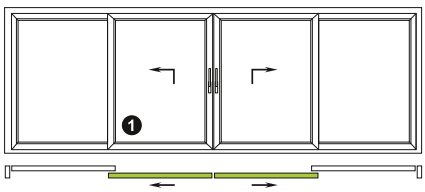


LEFT AND RIGHT

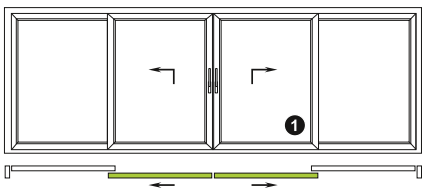
Type 05

MAXIMUM SIZE W X H:

6500 x 2600 mm	Laminated
6500 x 2800 mm	White



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

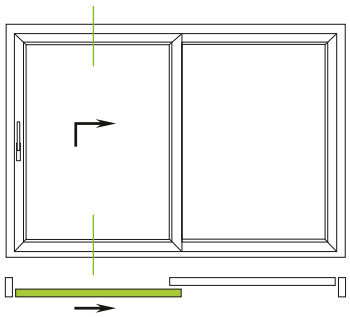
Type 06

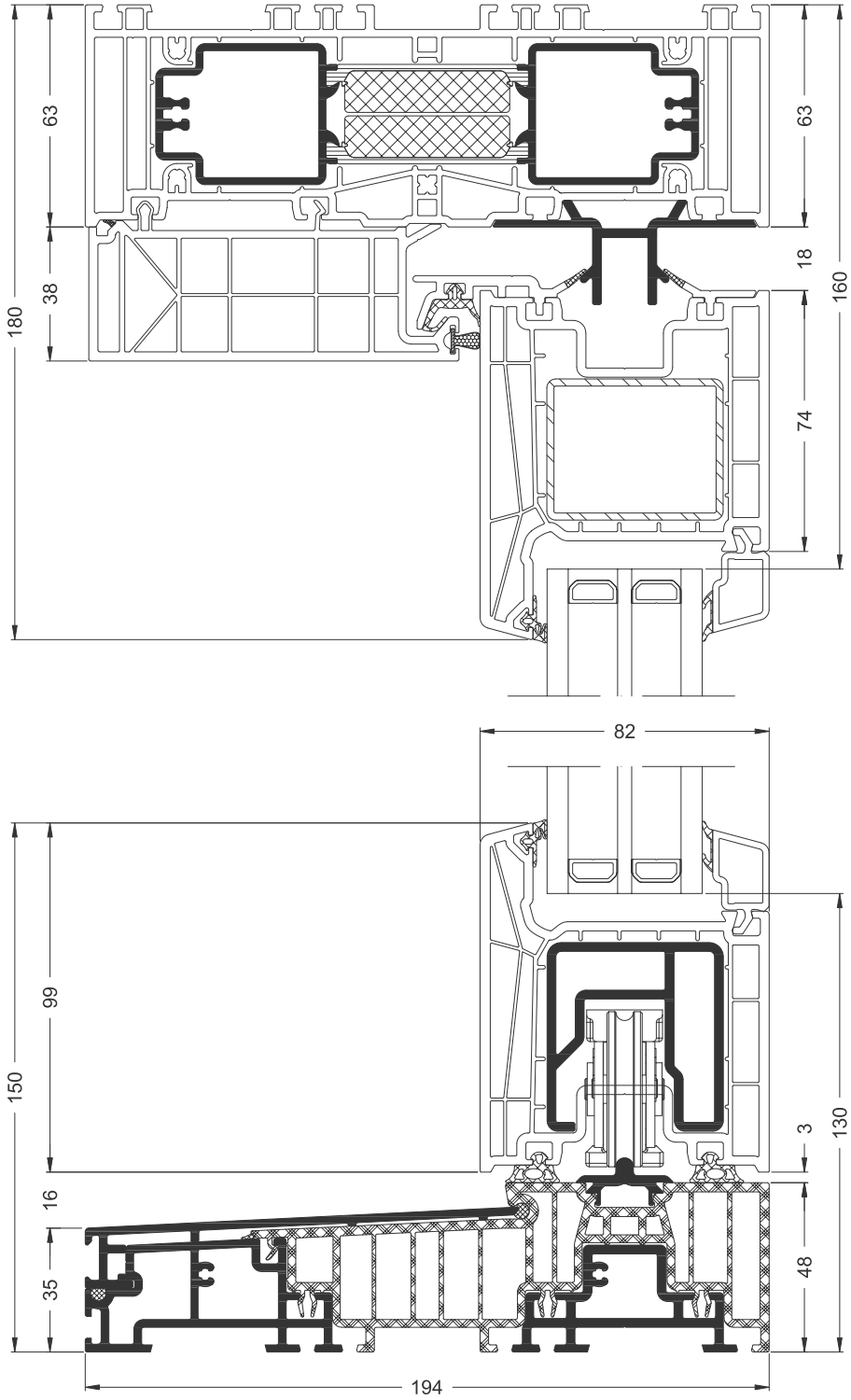
MAXIMUM SIZE W X H:

6500 x 2350 mm	Laminated
6500 x 2500 mm	White

LIVINGSLIDE - CROSS SECTIONS

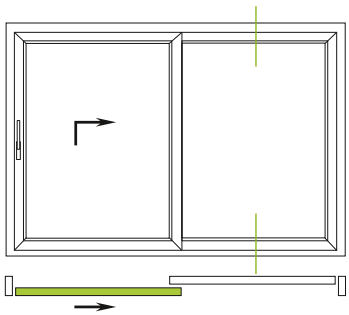
VARIANT 1 - STANDARD SASH 9713

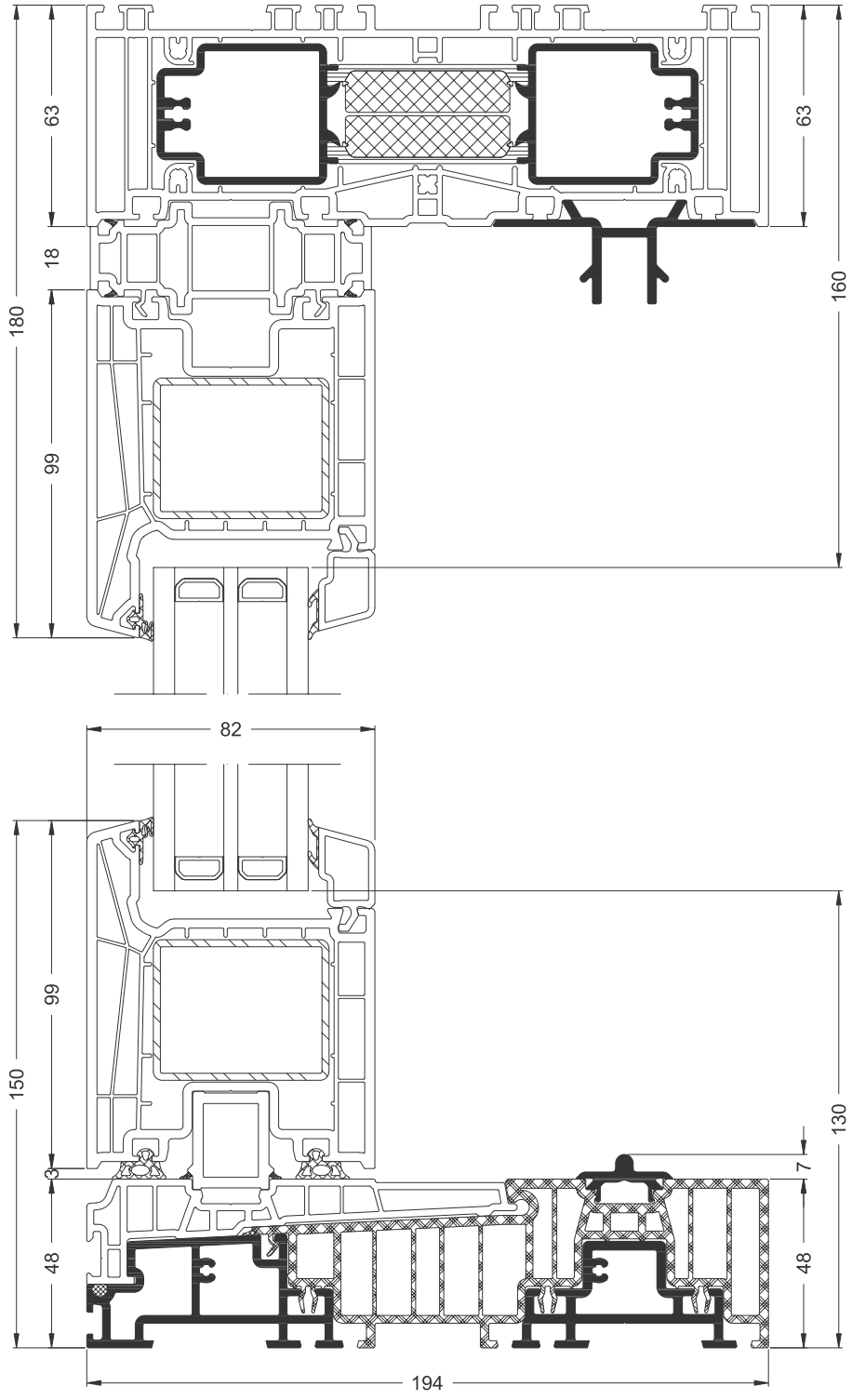




LIVINGSLIDE - CROSS SECTIONS

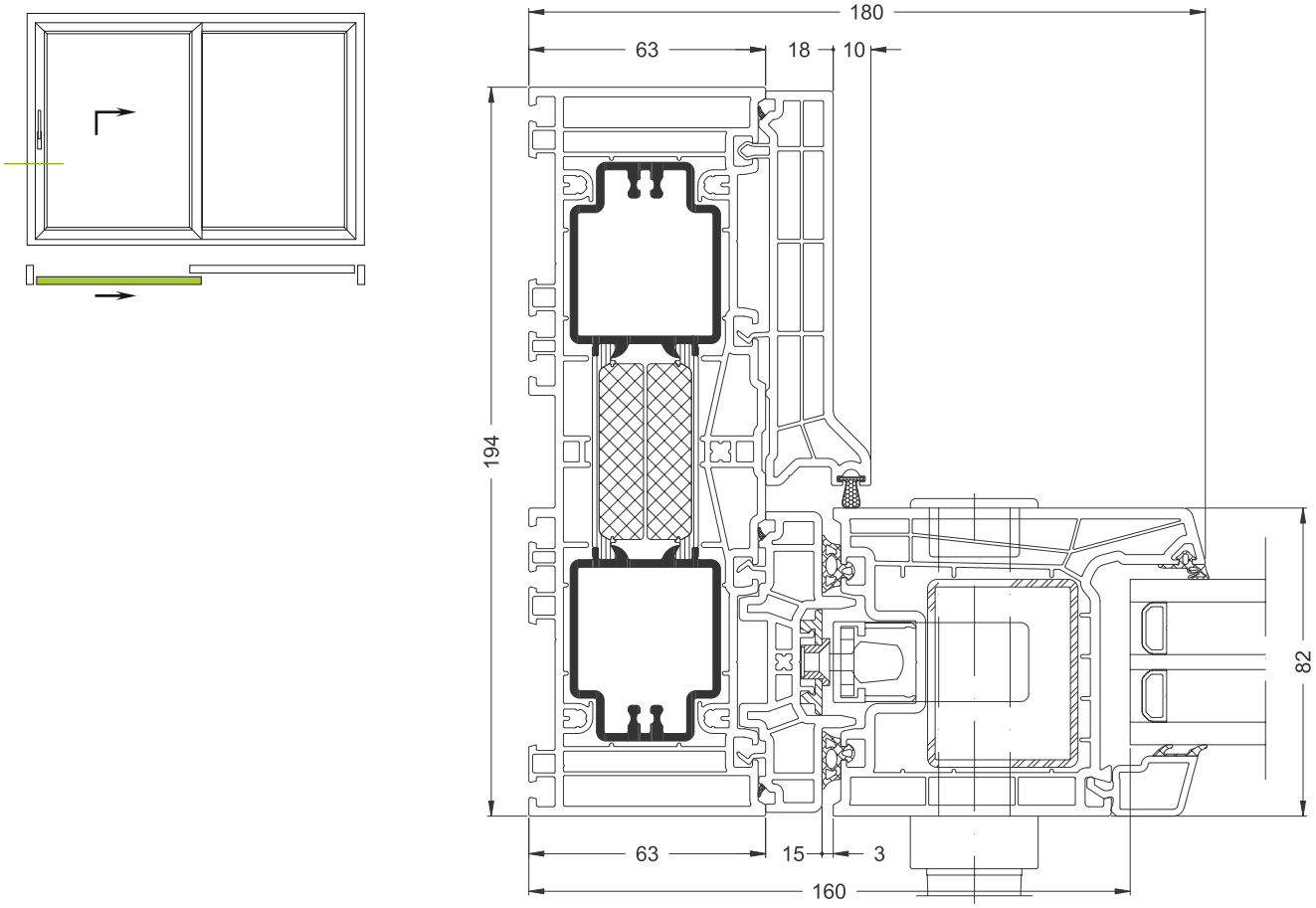
VARIANT 1 - STANDARD SASH 9713

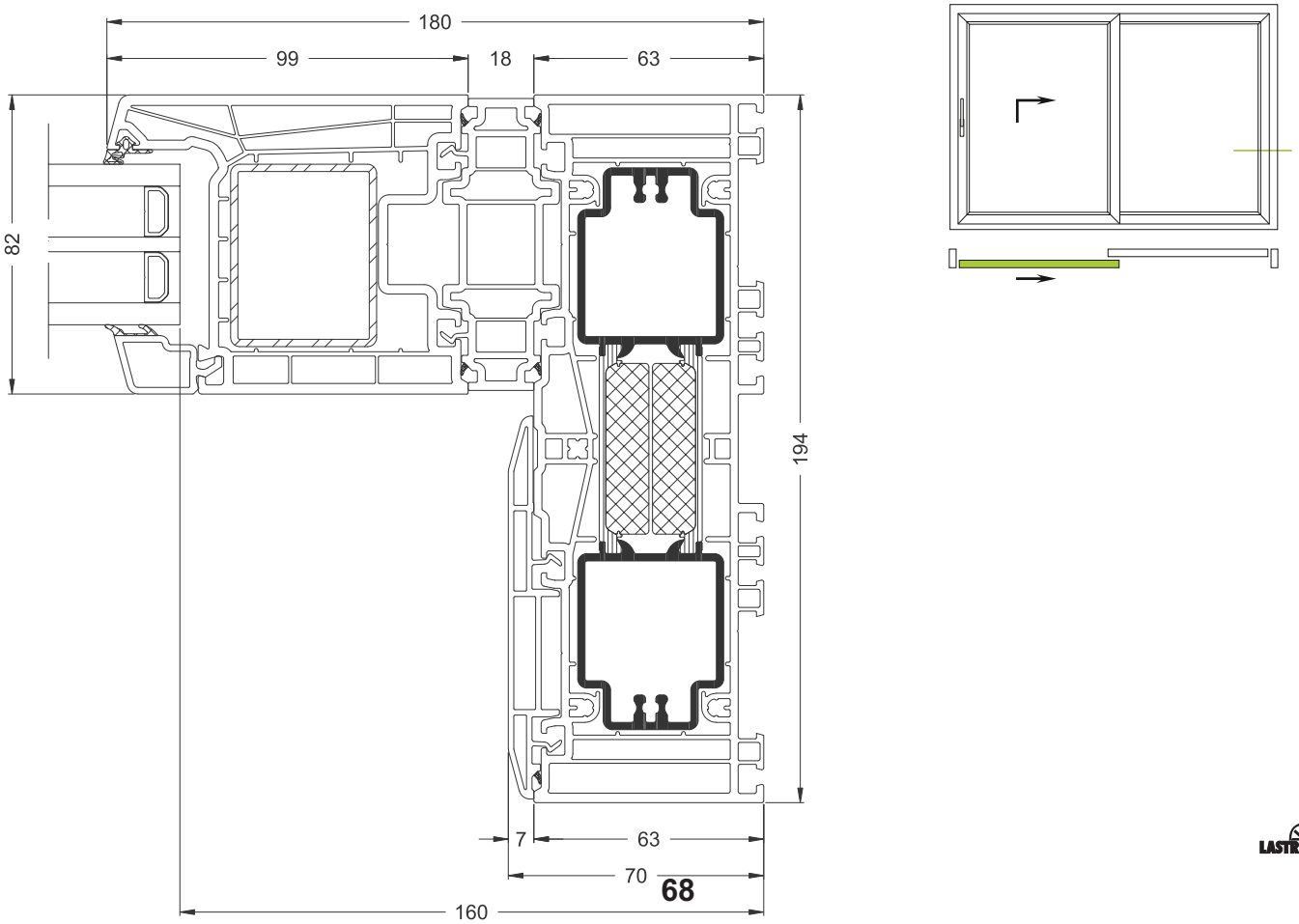




LIVINGSLIDE - CROSS SECTIONS

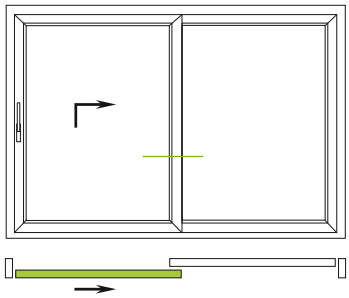
VARIANT 1 - STANDARD SASH 9713

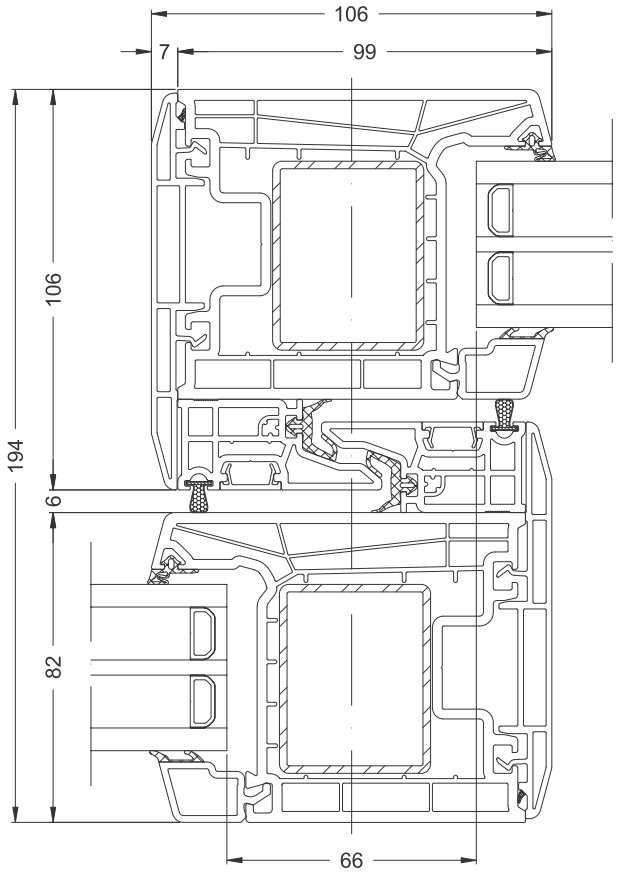




LIVINGSLIDE - CROSS SECTIONS

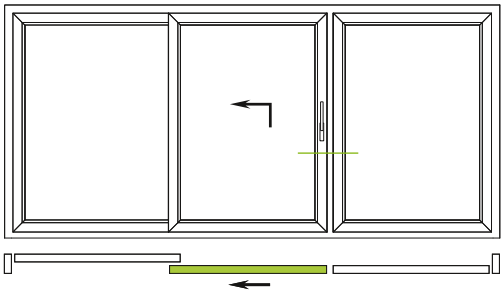
VARIANT 1 - STANDARD SASH 9713

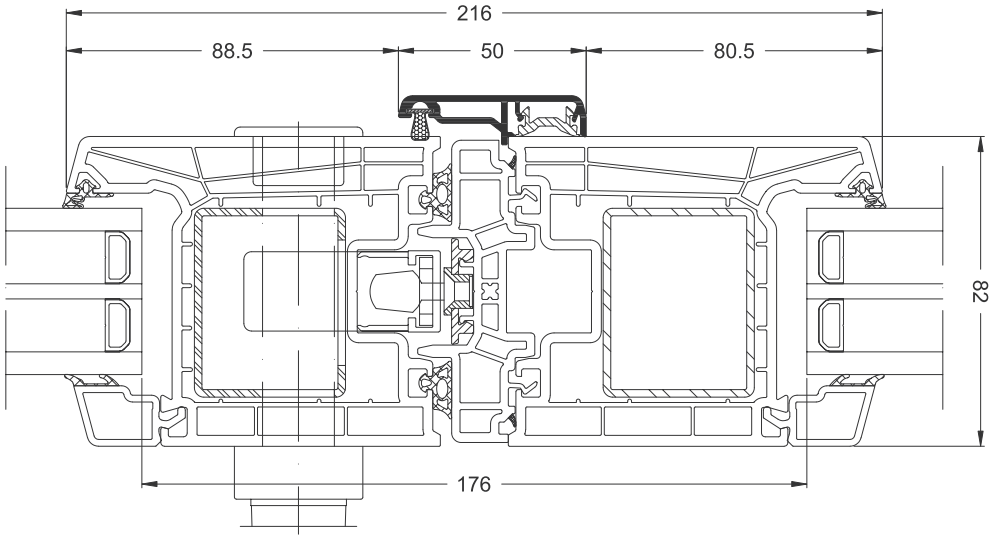


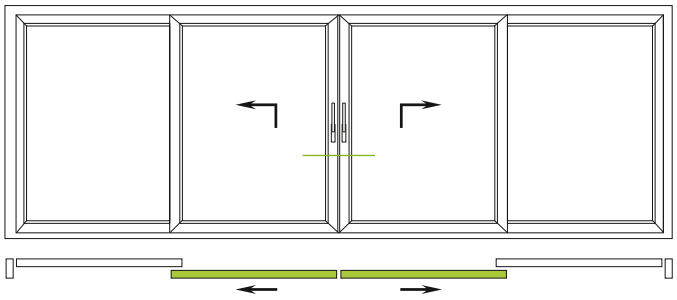


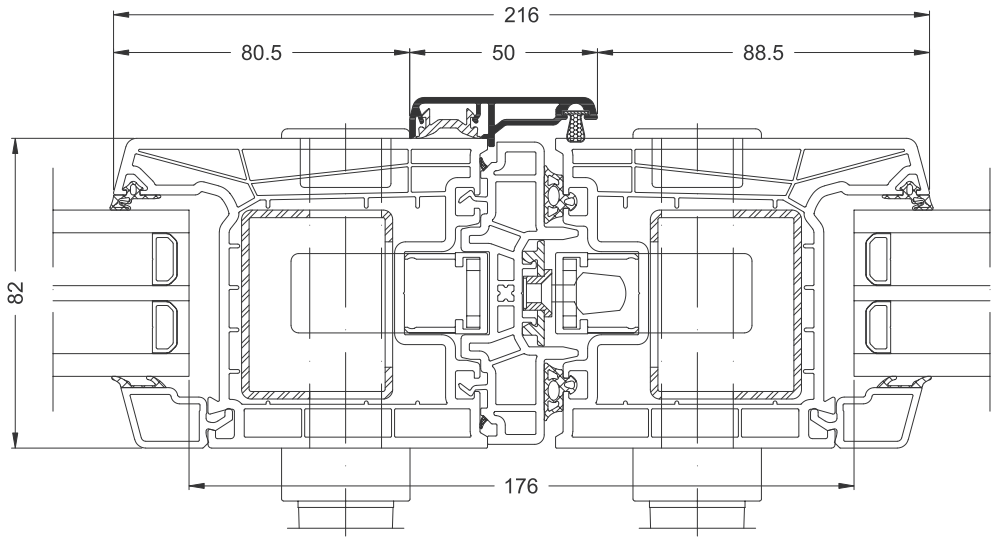
LIVINGSLIDE - CROSS SECTIONS

VARIANT 1 - STANDARD SASH 9713



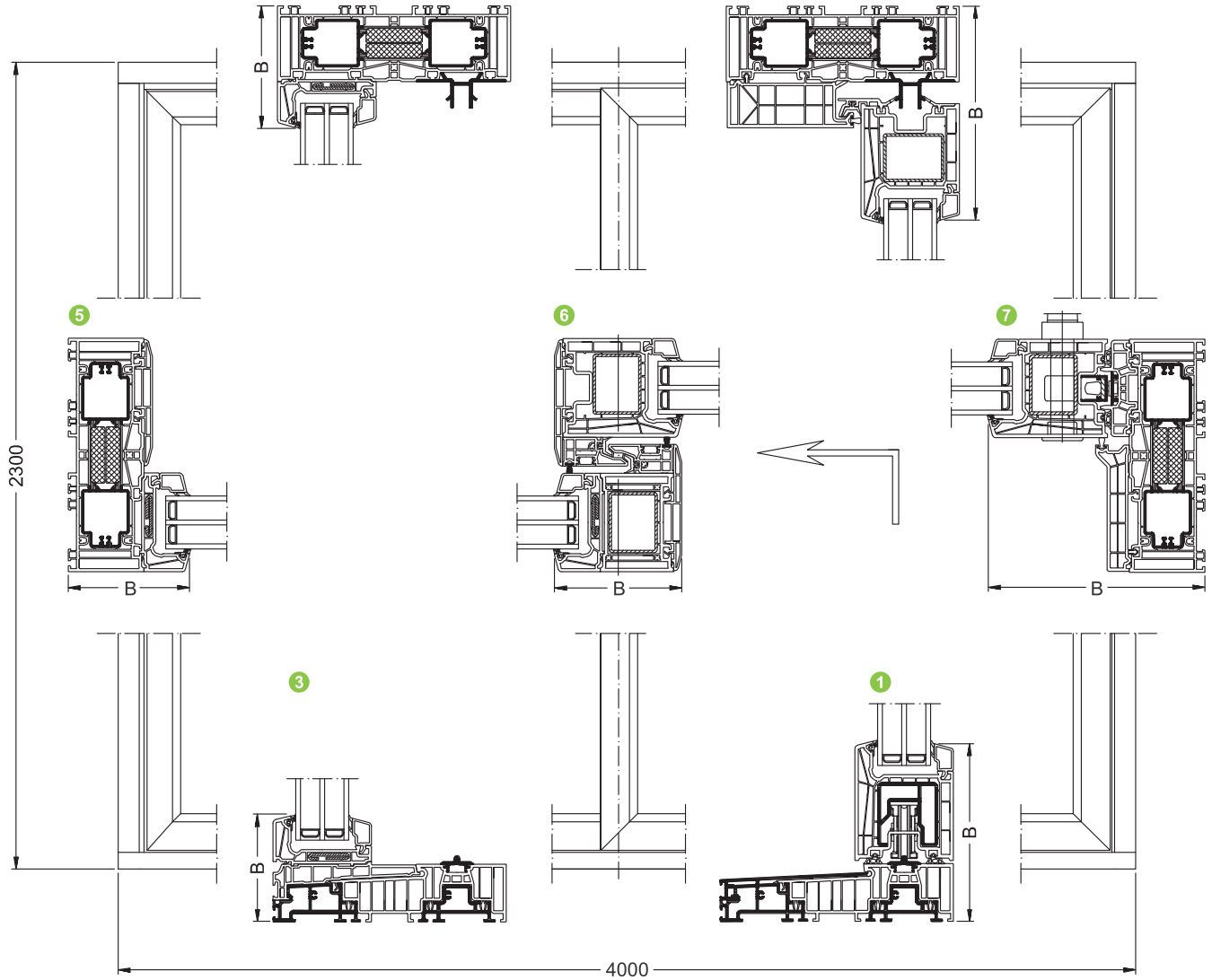






LIVINGSLIDE - VALUES OF THE U FACTOR

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

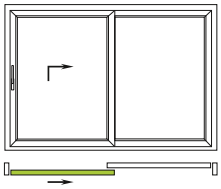


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

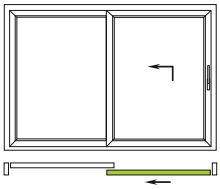
Section detail	Face width (B) in mm	U_f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	150	1,7	1,6	1,5
2	180	1,2	1,1	1,1
3	88	1,5	1,5	1,4
4	101	1,4	1,4	1,3
5	101	1,2	1,1	1,1
6	106	1,7	1,5	1,4
7	180	1,2	1,1	1,0
Total		9,9	9,3	8,8
Average value		1,41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

LIVINGSLIDE - DOOR TYPES

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



LEFT

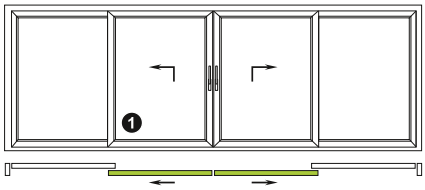


RIGHT

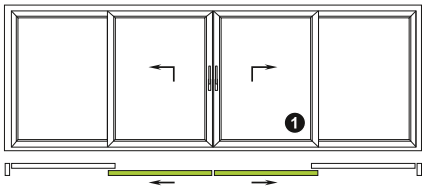
Type 01

MAXIMUM SIZE W X H:

5000 x 2600 mm	**Laminated**
6500 x 2800 mm	**White**



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

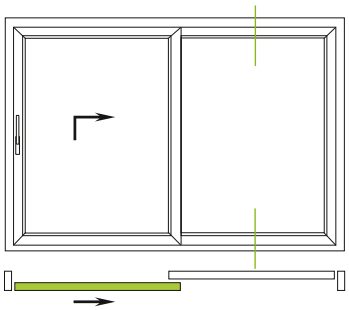
Type 06

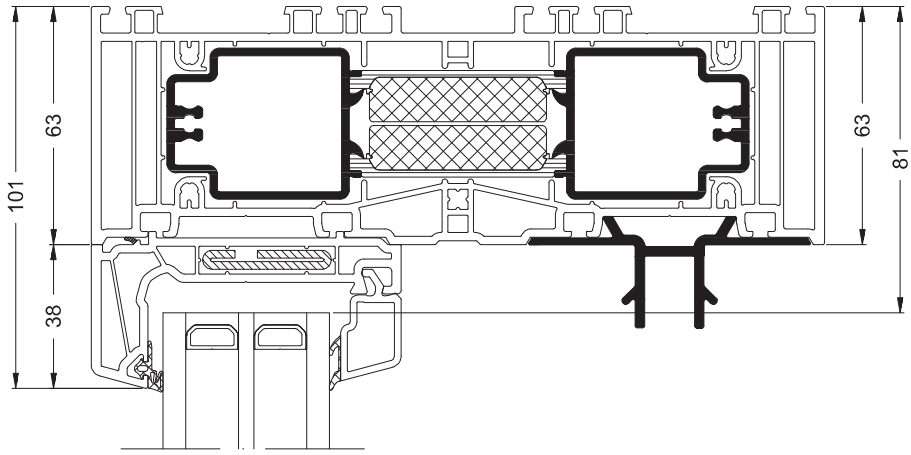
MAXIMUM SIZE W X H:

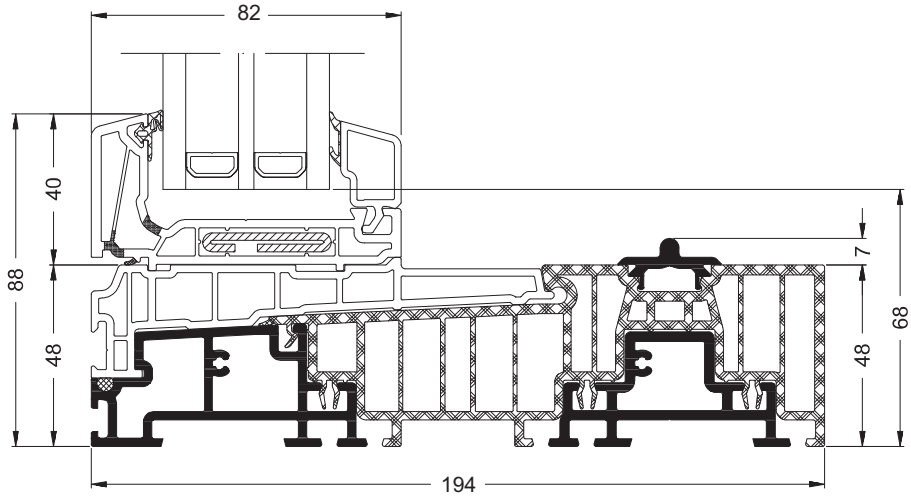
6500 x 2350 mm	**Laminated**
6500 x 2500 mm	**White**

LIVINGSLIDE - CROSS SECTIONS

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

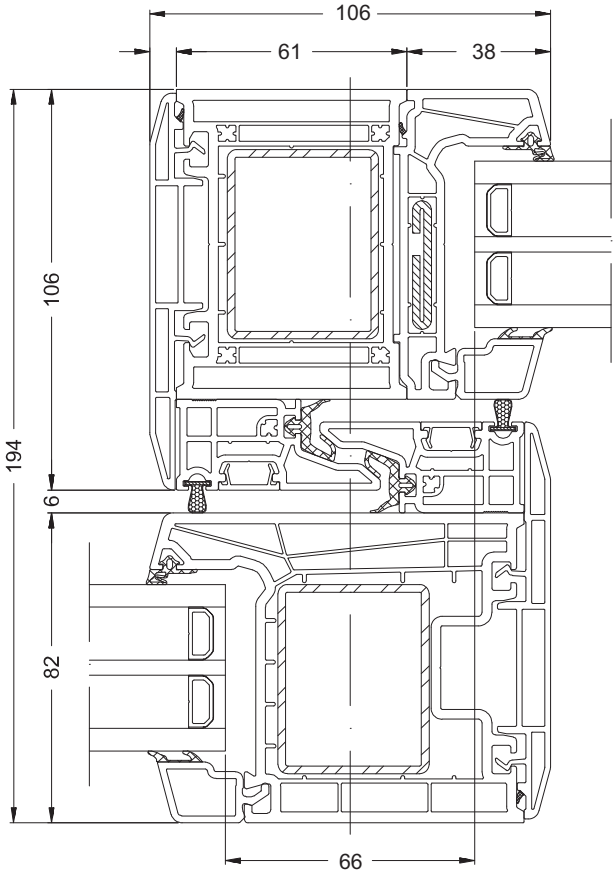


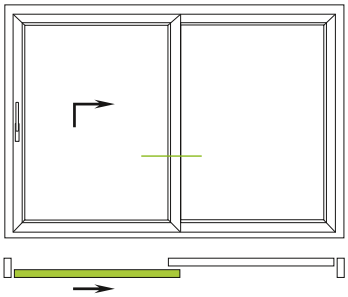


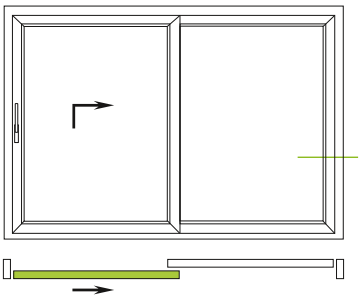


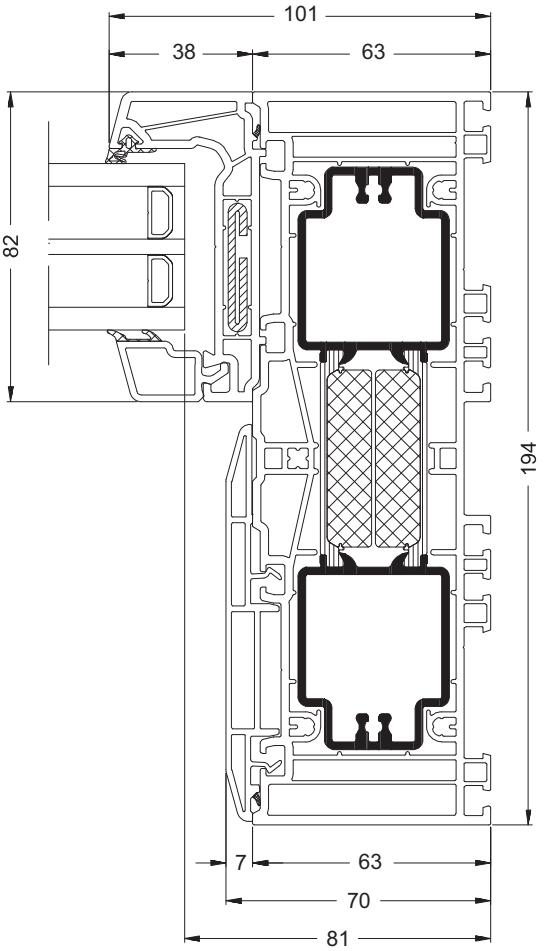
LIVINGSLIDE - CROSS SECTIONS

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



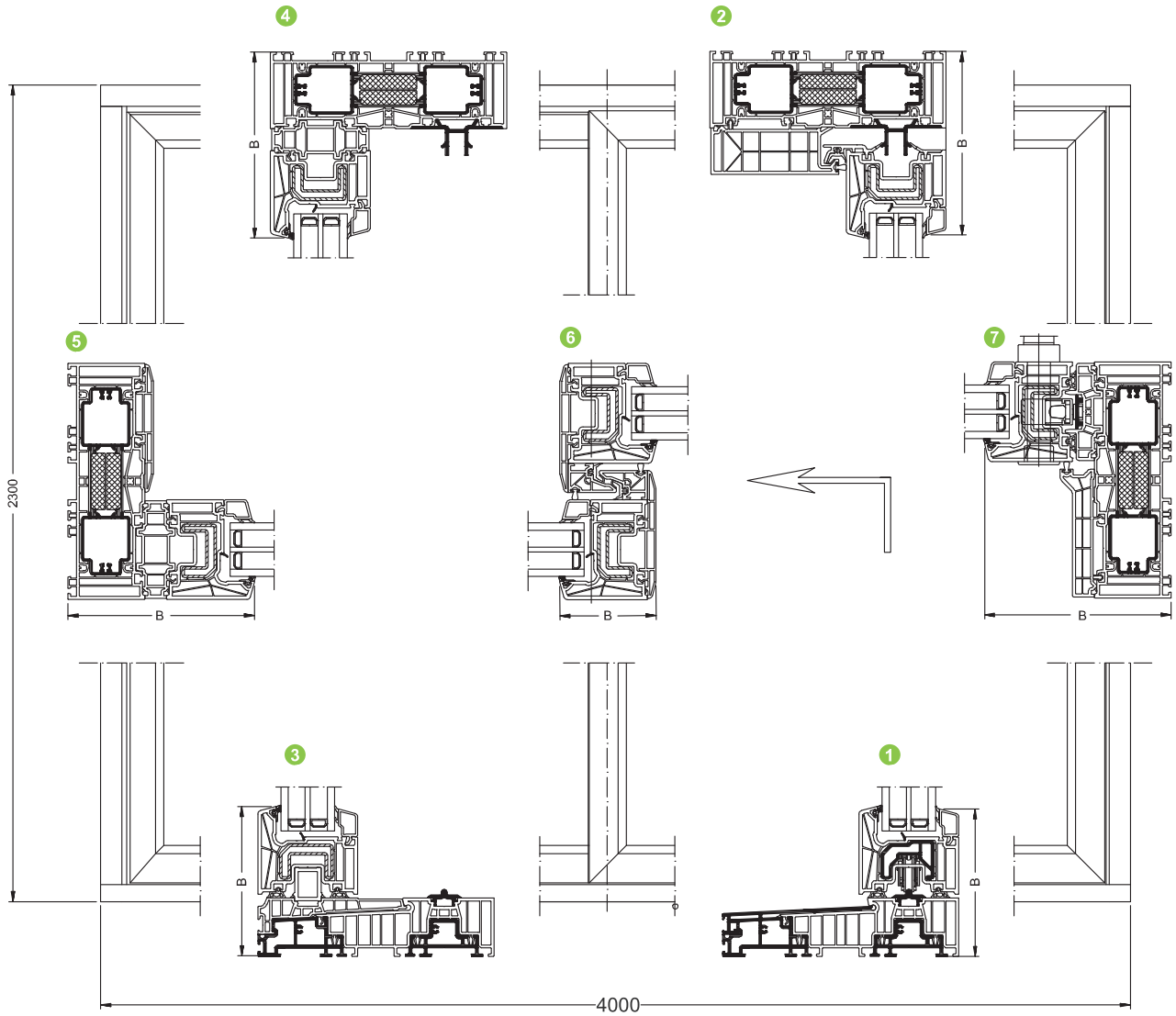






LIVINGSLIDE - VALUES OF THE U FACTOR

VARIANT 3 - PANORAMA SASH 9740

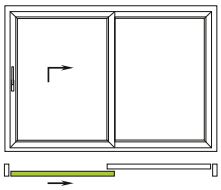


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

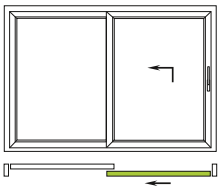
Section detail	Face width (B) in mm	Wartość U_f W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	123	1,5	1,4	1,4
2	153	1,3	1,3	1,3
3	123	1,5	1,5	1,4
4	153	1,2	1,1	1,1
5	153	1,1	1,1	1,1
6	79	2,1	1,9	1,8
7	153	1,1	1,1	1,0
Total		9,8	9,4	9,1
Average value		1,4	1,34	1,3

LIVINGSLIDE - DOOR TYPES

VARIANT 3 - PANORAMA SASH 9740



LEFT

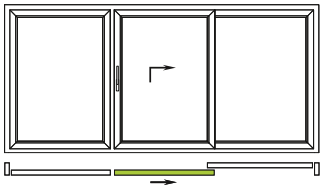


RIGHT

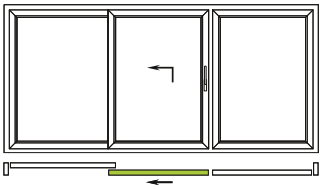
Type 01

MAXIMUM SIZE W X H:

4500 x 2300 mm	Laminated
6500 x 2582 mm	White



LEFT

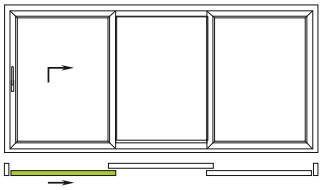


RIGHT

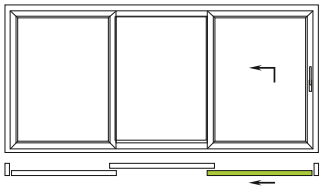
Type 03

MAXIMUM SIZE W X H:

5500 x 2150 mm	Laminated
6500 x 2300 mm	White



LEFT

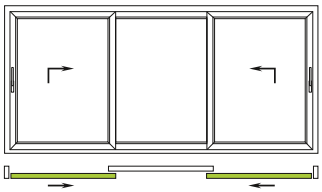


RIGHT

Type 04

MAXIMUM SIZE W X H:

5500 x 2300 mm	Laminated
6500 x 2582 mm	White

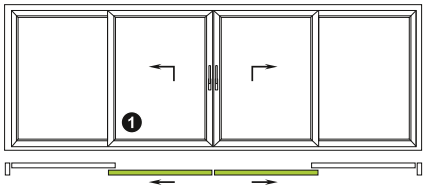


LEFT AND RIGHT

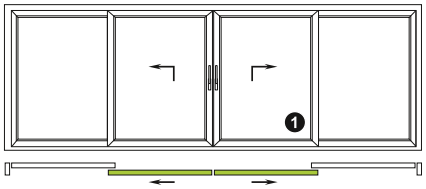
Type 05

MAXIMUM SIZE W X H:

5500 x 2300 mm	Laminated
6500 x 2582 mm	White



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

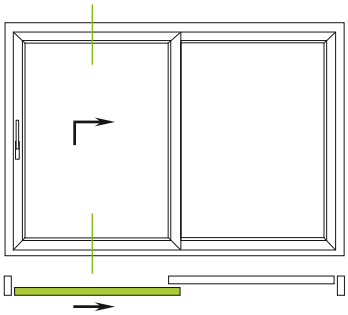
Type 06

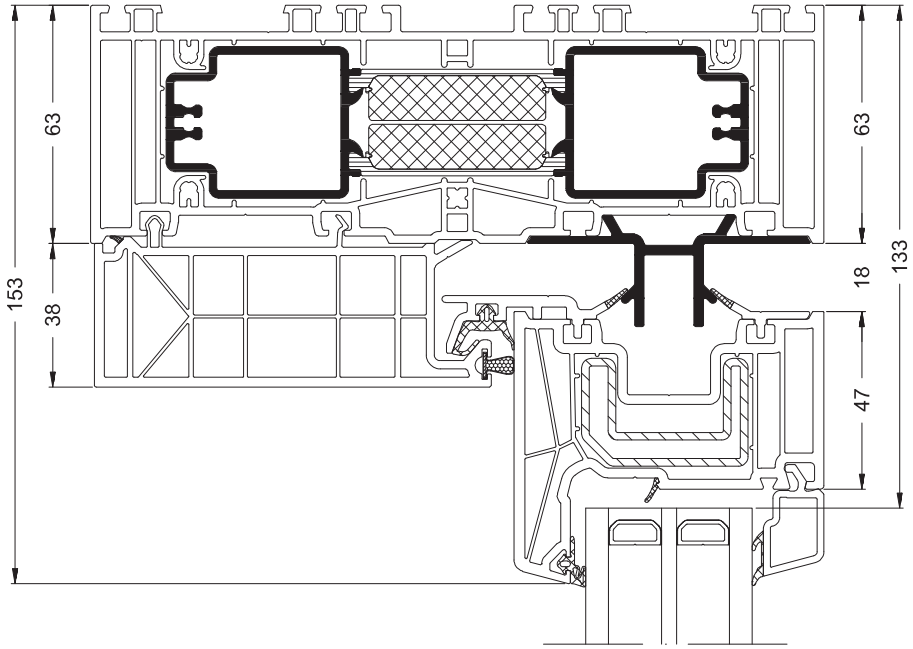
MAXIMUM SIZE W X H:

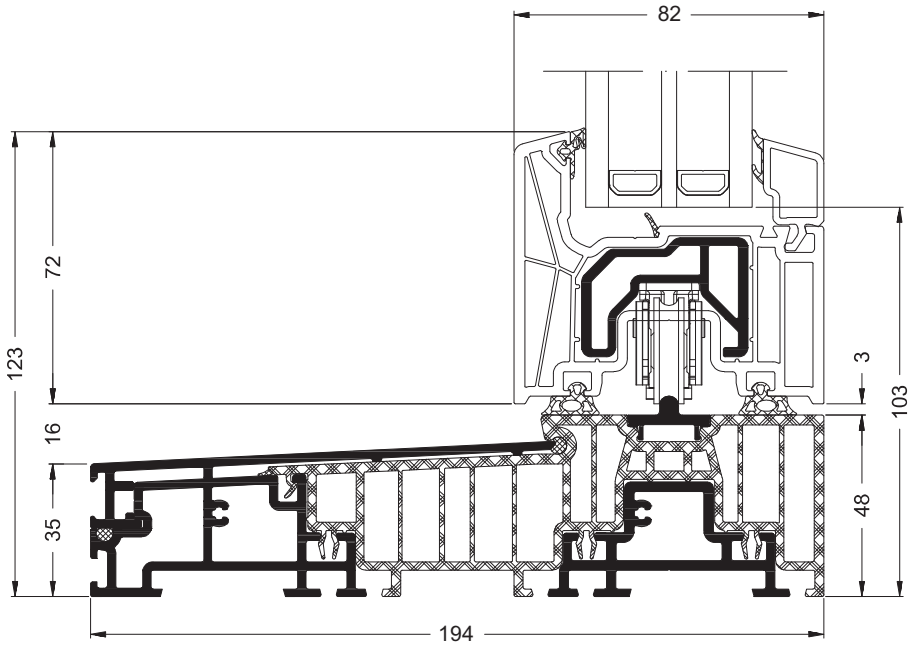
5500 x 2150 mm	Laminated
6500 x 2300 mm	White

LIVINGSLIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740

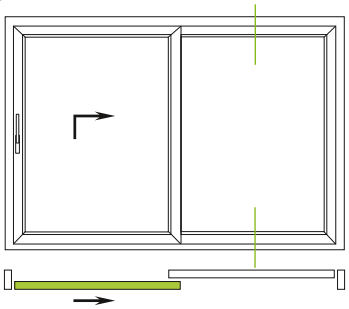


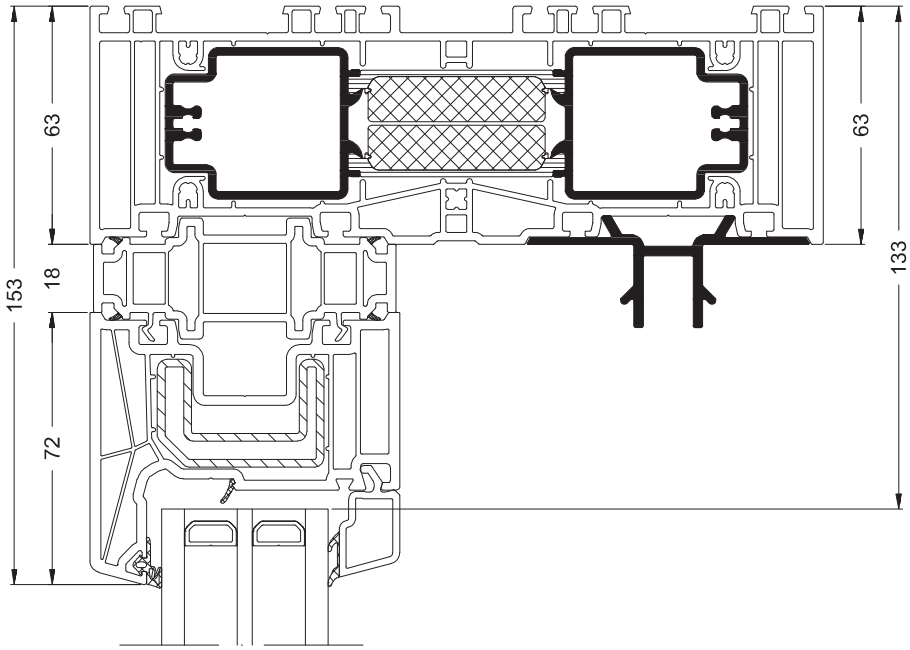


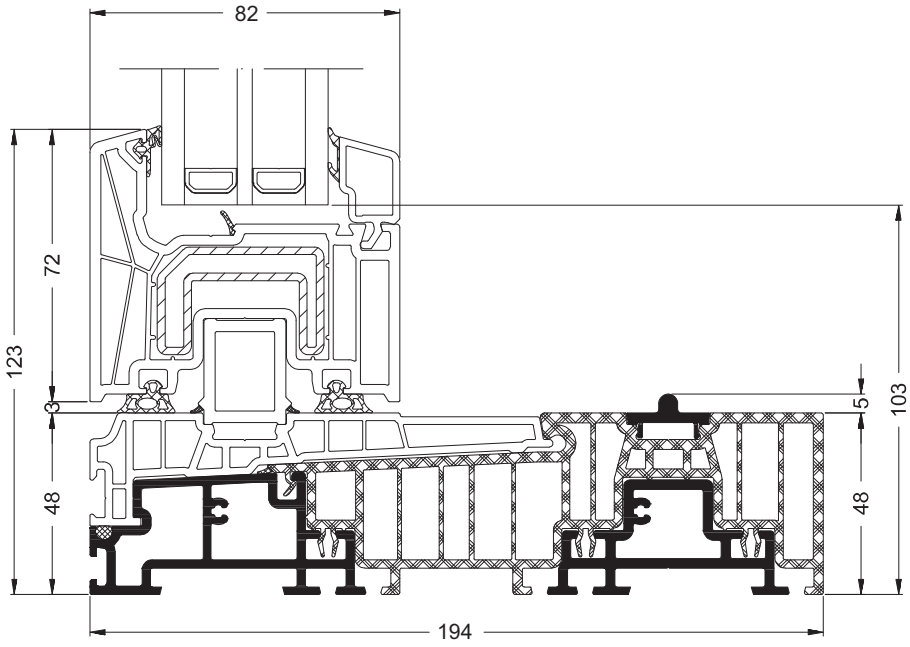


LIVINGSLIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740

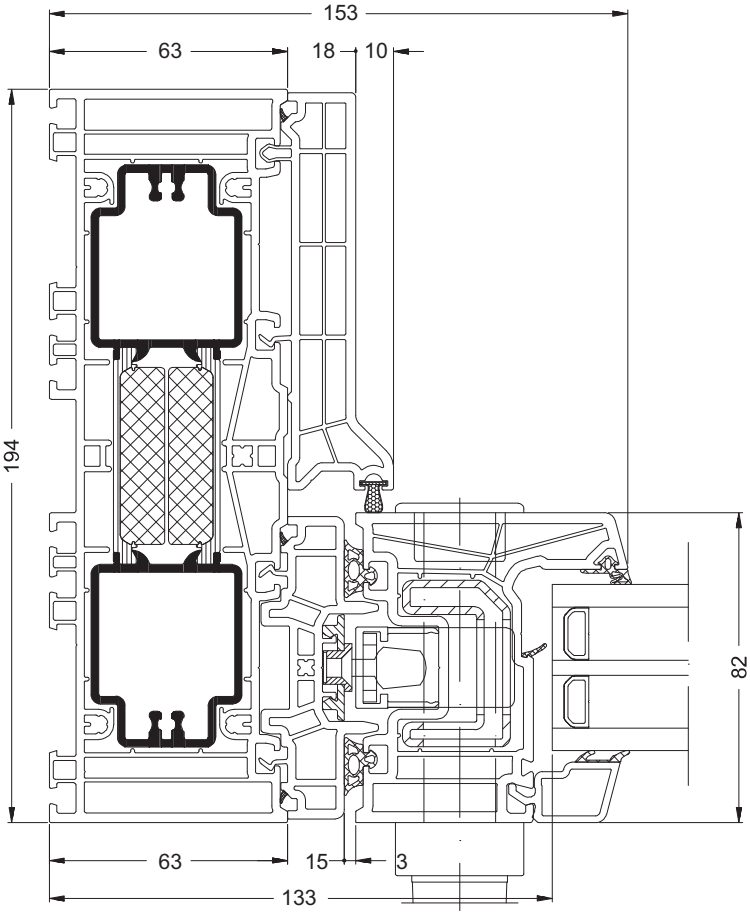


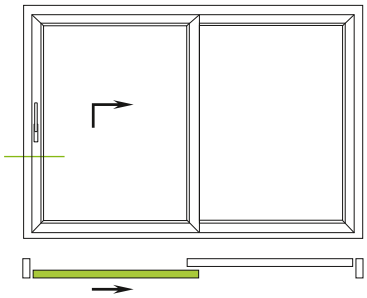


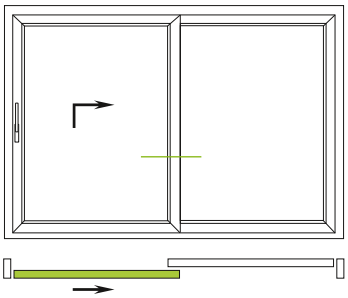


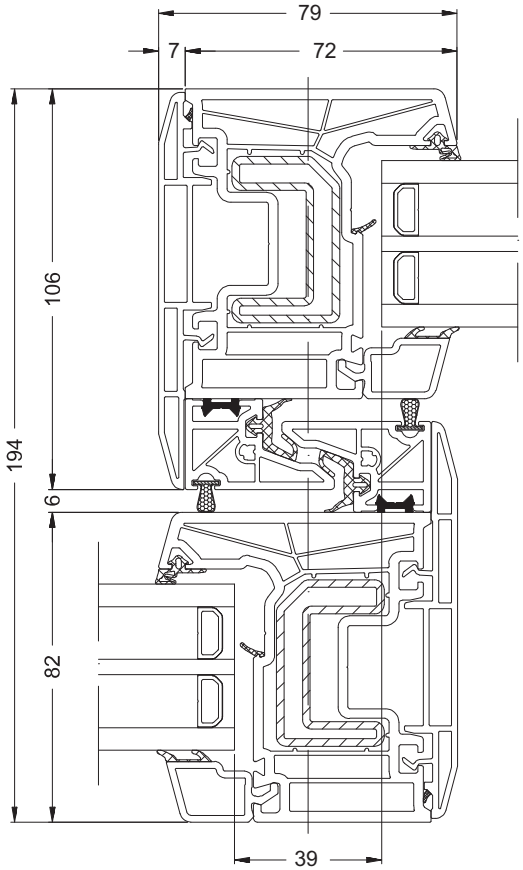
LIVINGSLIDE - CROSS SECTIONS

VARIANT 3 - PANORAMA SASH 9740



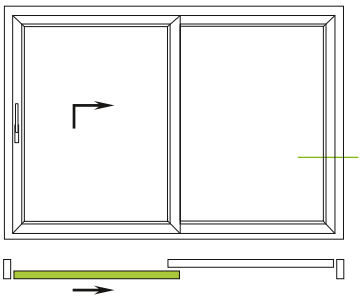


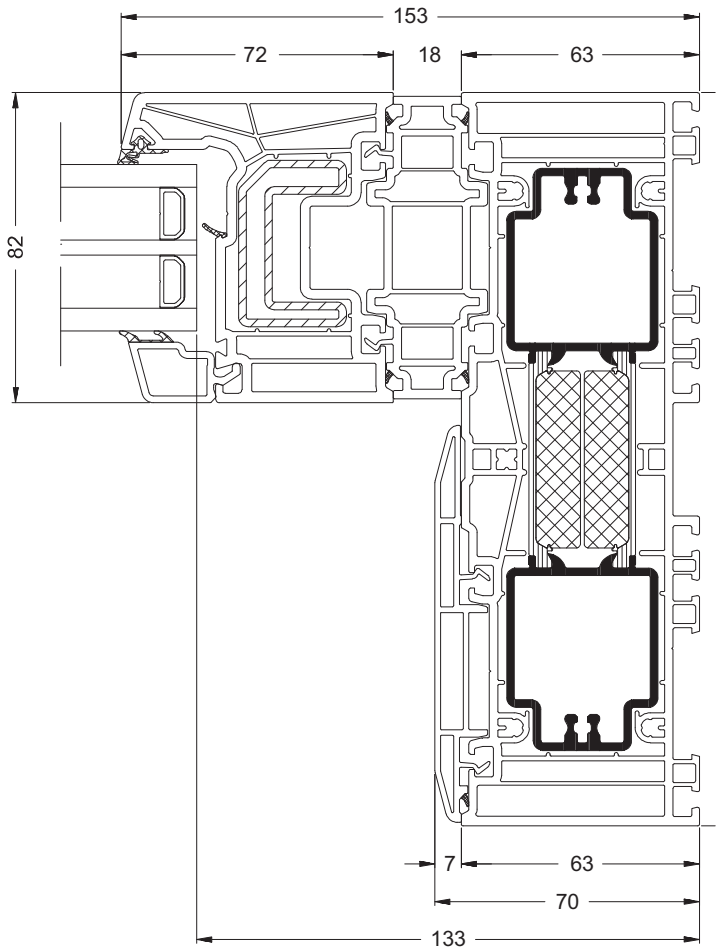




LIVINGSLIDE - CROSS SECTIONS

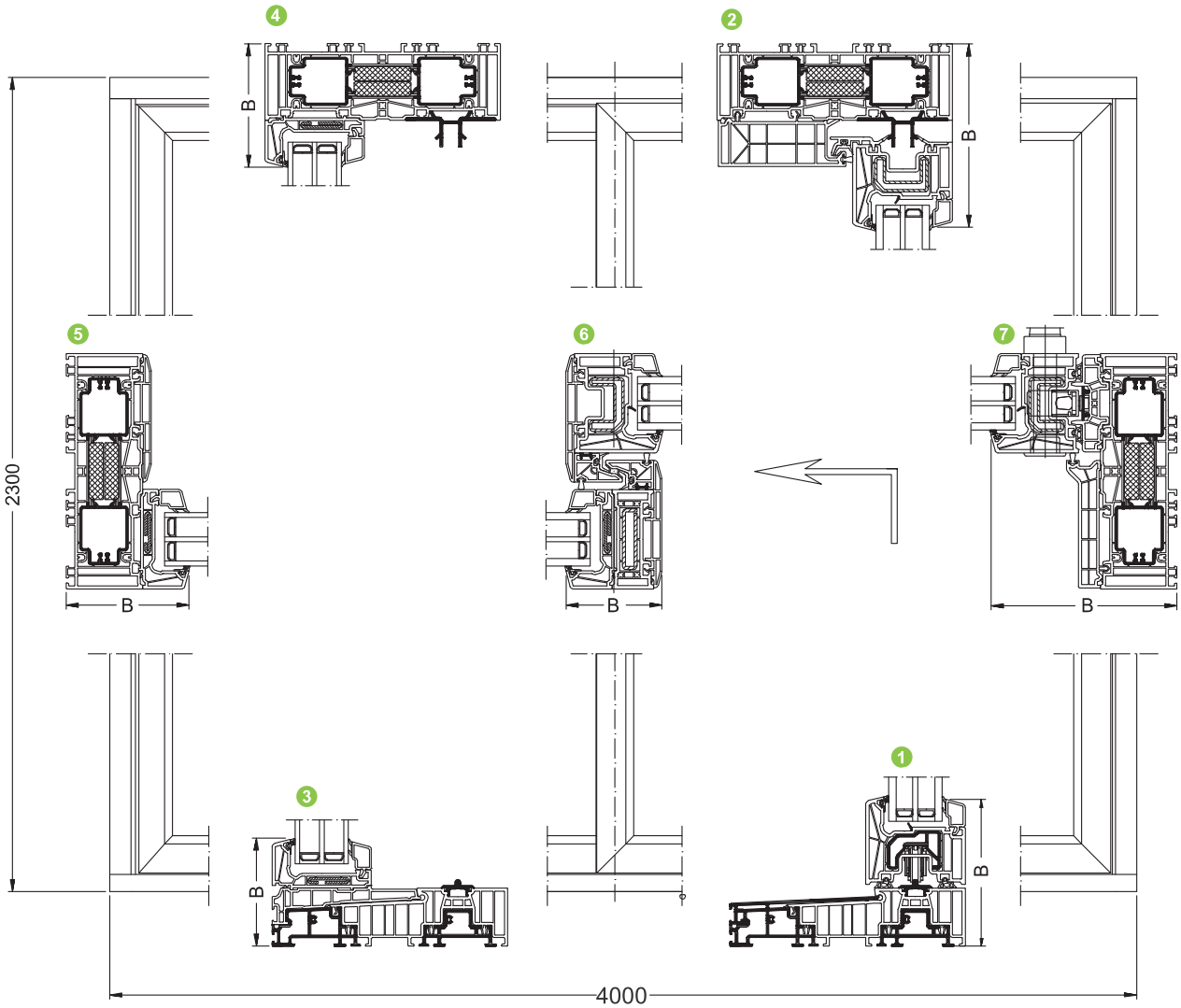
VARIANT 3 - PANORAMA SASH 9740





LIVINGSLIDE - VALUES OF THE U FACTOR

VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726

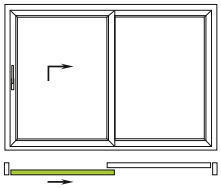


Calculation of the U values in accordance with EN ISO 10077-2 for Type 01 with dimensions 4000x2300

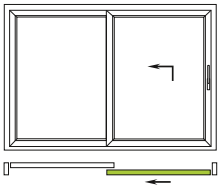
Section detail	Face width (B) in mm	U_f value in W/m²K		
		Double glazing (D = 24 mm)	Triple glazing (D = 36 mm)	Triple glazing (D = 44 mm)
1	123	1,5	1,4	1,4
2	153	1,3	1,3	1,3
3	88	1,5	1,5	1,4
4	101	1,4	1,4	1,3
5	101	1,2	1,1	1,1
6	79	2,1	1,9	1,8
7	153	1,1	1,1	1,0
Total		10,1	9,7	9,3
Average value		1,44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

LIVINGSLIDE - DOOR TYPES

VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726



LEFT

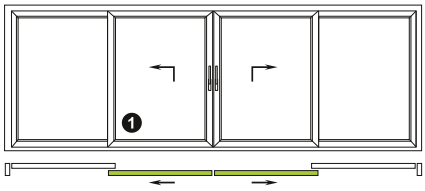


RIGHT

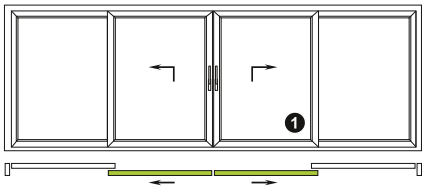
Type 01

MAXIMUM SIZE W X H:

4500 x 2300 mm	**Laminated**
6500 x 2582 mm	**White**



OPENING SEQUENCE: FIRST-LEFT THEN RIGHT



OPENING SEQUENCE: FIRST-RIGHT THEN LEFT

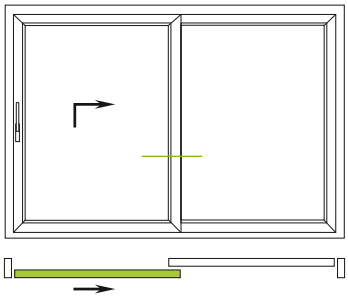
Type 06

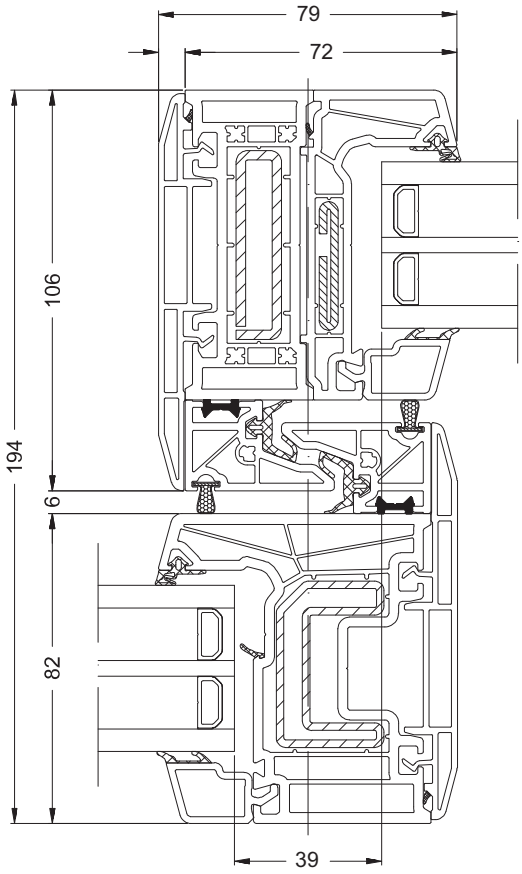
MAXIMUM SIZE W X H:

5500 x 2150 mm	**Laminated**
6500 x 2300 mm	**White**

LIVINGSLIDE - CROSS SECTIONS

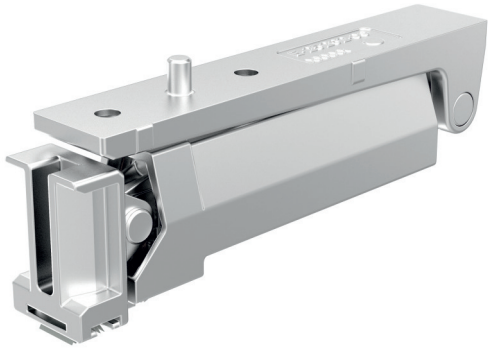
VARIANT 4 - PANORAMA SASH 9740 + FIXED SASH PANORAMA 9726

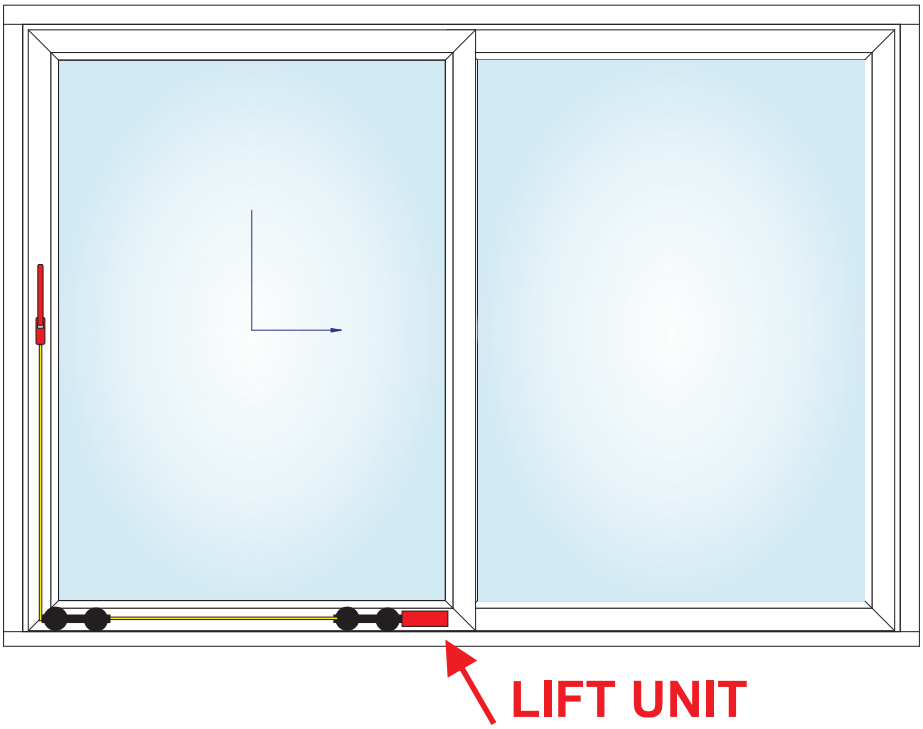


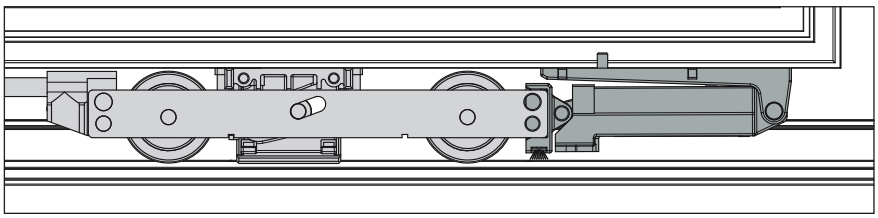


LIVINGSLIDE - HS LIFT UNIT

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

G-U

INTERIOR HANDLE STANDARD



INTERIOR HANDLE WITH HALF CYLINDER



DOUBLE HANDLE PZ WITH CYLINDER



COLOR:
BROWN
SILVER
WHITE

Medos

INTERIOR HANDLE STANDARD



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

FRAMES CONNECTION LIVINGSLIDE + LIVING

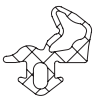
WinPro > LS_LIVING

COVER PROFIL 105/7
9718



STRIP FRAME CONNECTOR
9344





GASKET - BLACK
22492700

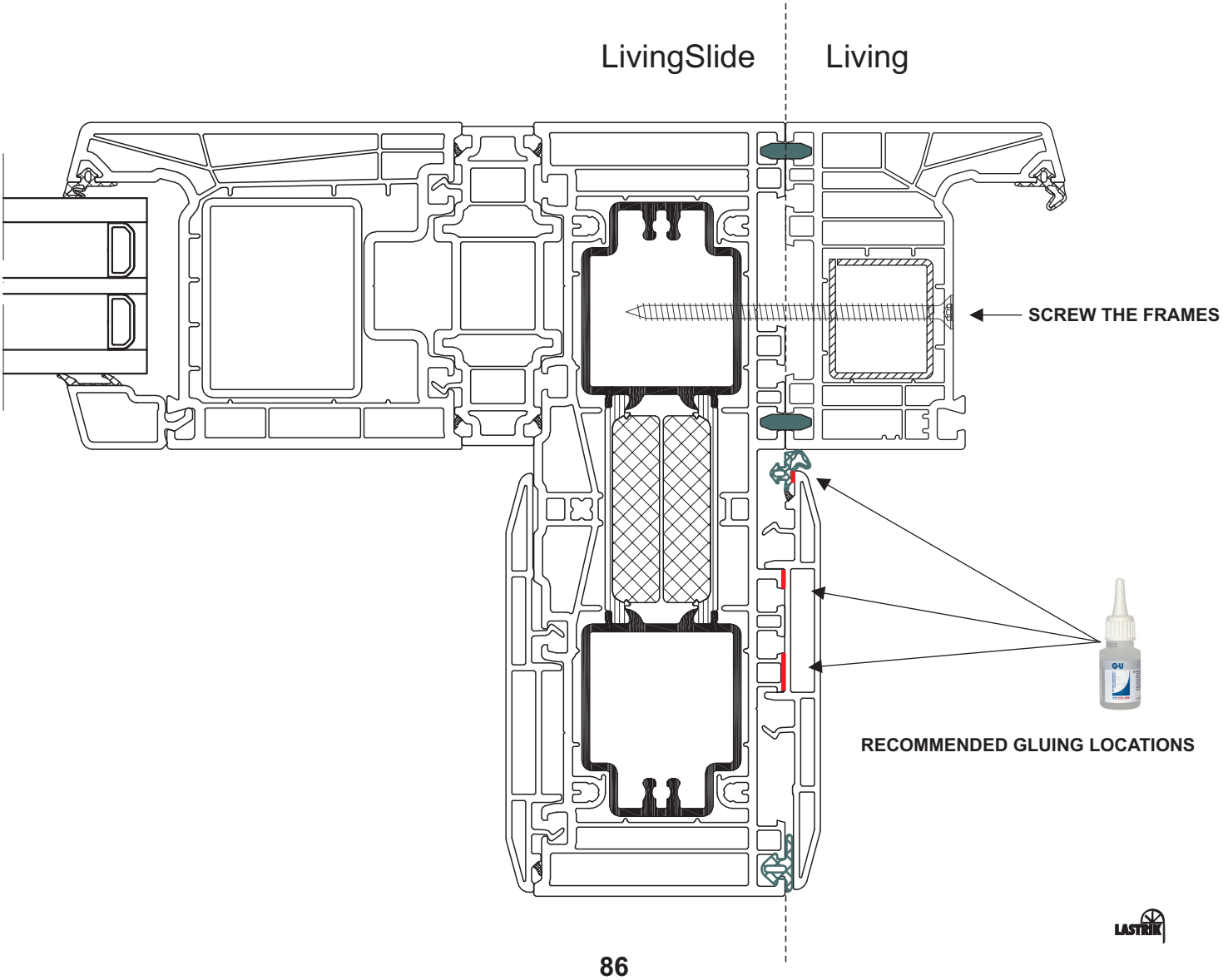
GASKET - GRAY
22492800



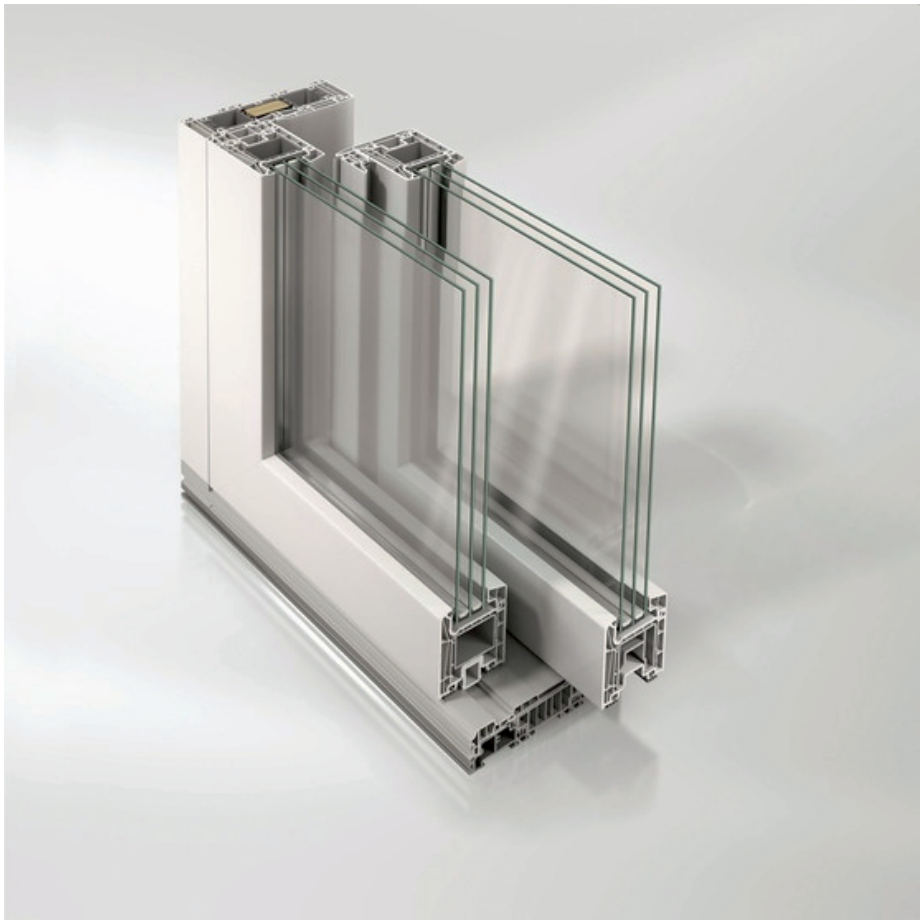
GASKET - BLACK
22451700

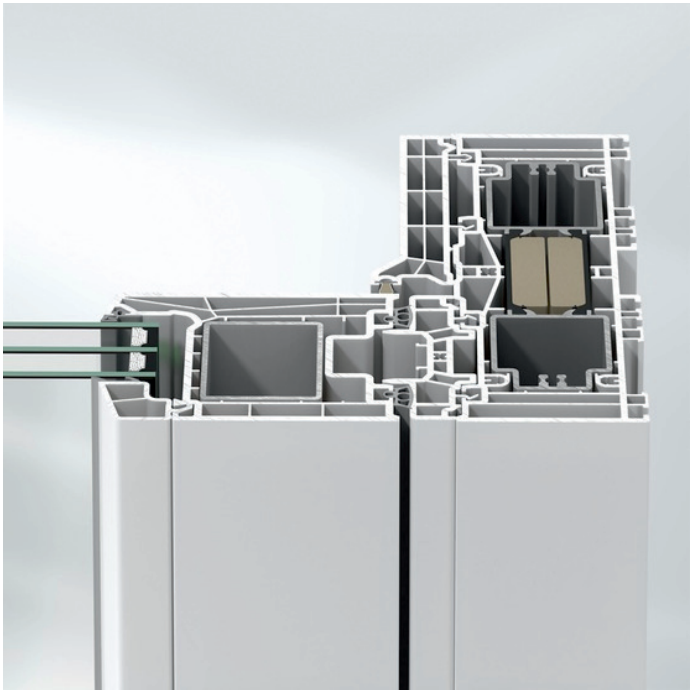


SECOND GLUE - GU
H-00991-00-0-0



LIVINGSLIDE - PHOTOS





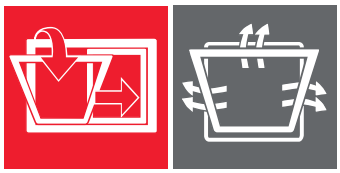
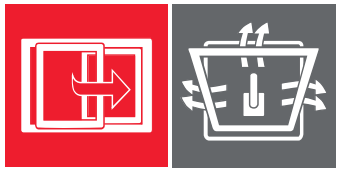




Roto Patio
Alversa





	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.

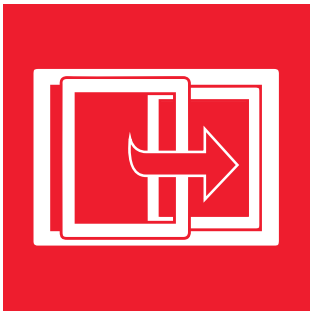


Ventilation in tilt position

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.



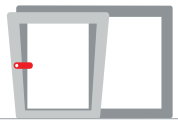
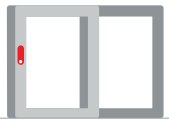
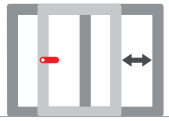
Comfort ventilation in tilt position

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.

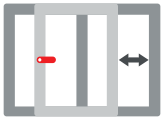
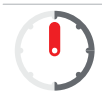
Roto Patio Alversa (KS)

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

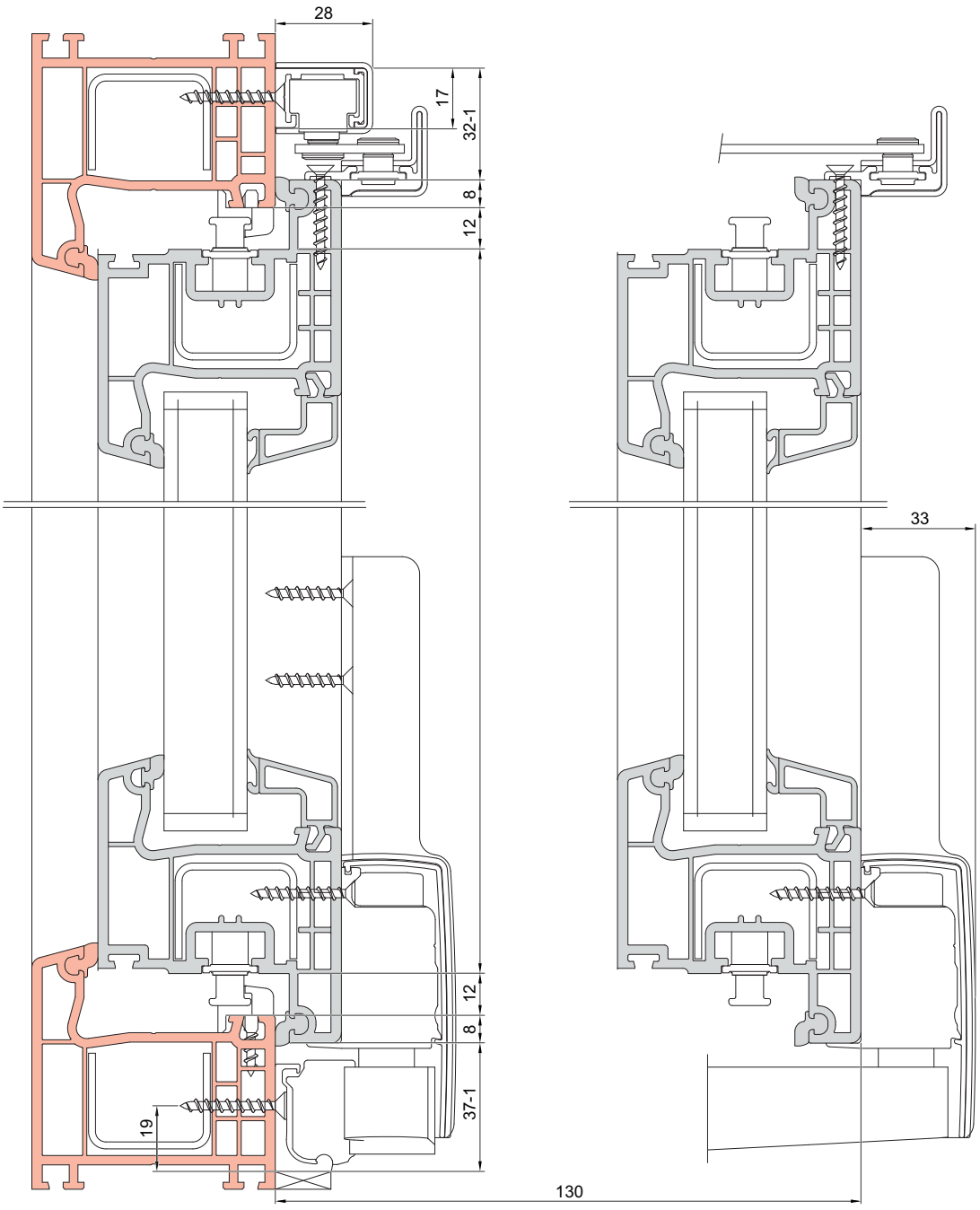
» Secure sash in tilt position to prevent unintentional shutting,
» Ensure to have another entry,

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

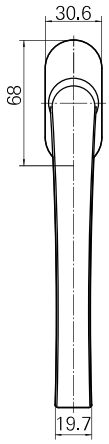
PATIO ALVERSA SYSTEMS
VERTICAL SECTION (KS & PS)

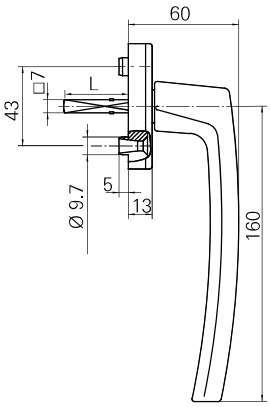


PATIO ALVERSA SYSTEM KS
HANDLE TYPES

STANDARD INTERIOR LONG

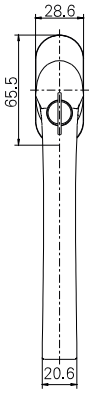


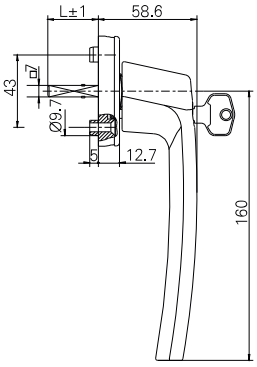




INTERIOR LONG WITH LOCK

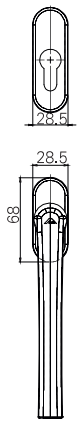


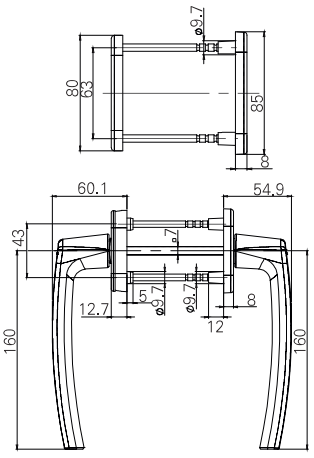




DOUBLE SIDED LONG + PATENT CYLINDER



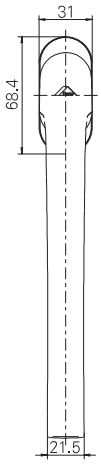


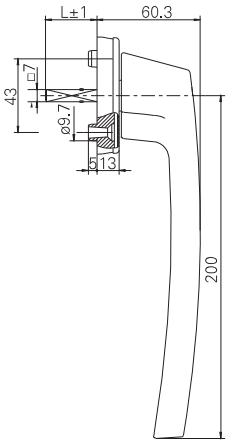


PATIO ALVERSA SYSTEM PS
HANDLE TYPES

STANDARD INTERIOR LONG

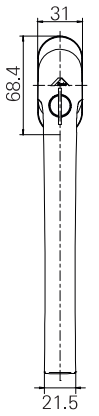


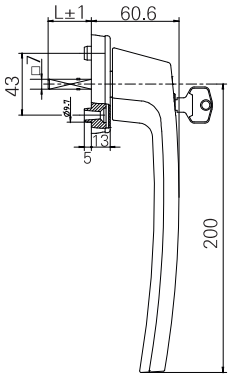




INTERIOR LONG WITH LOCK

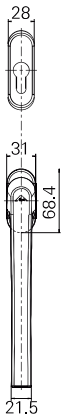


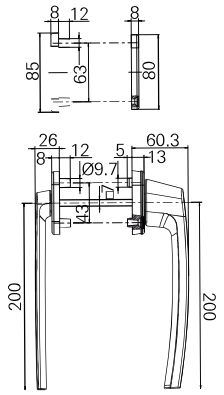




DOUBLE SIDED LONG + PATENT CYLINDER







PATIO ALVERSA SYSTEMS
COLOURS

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

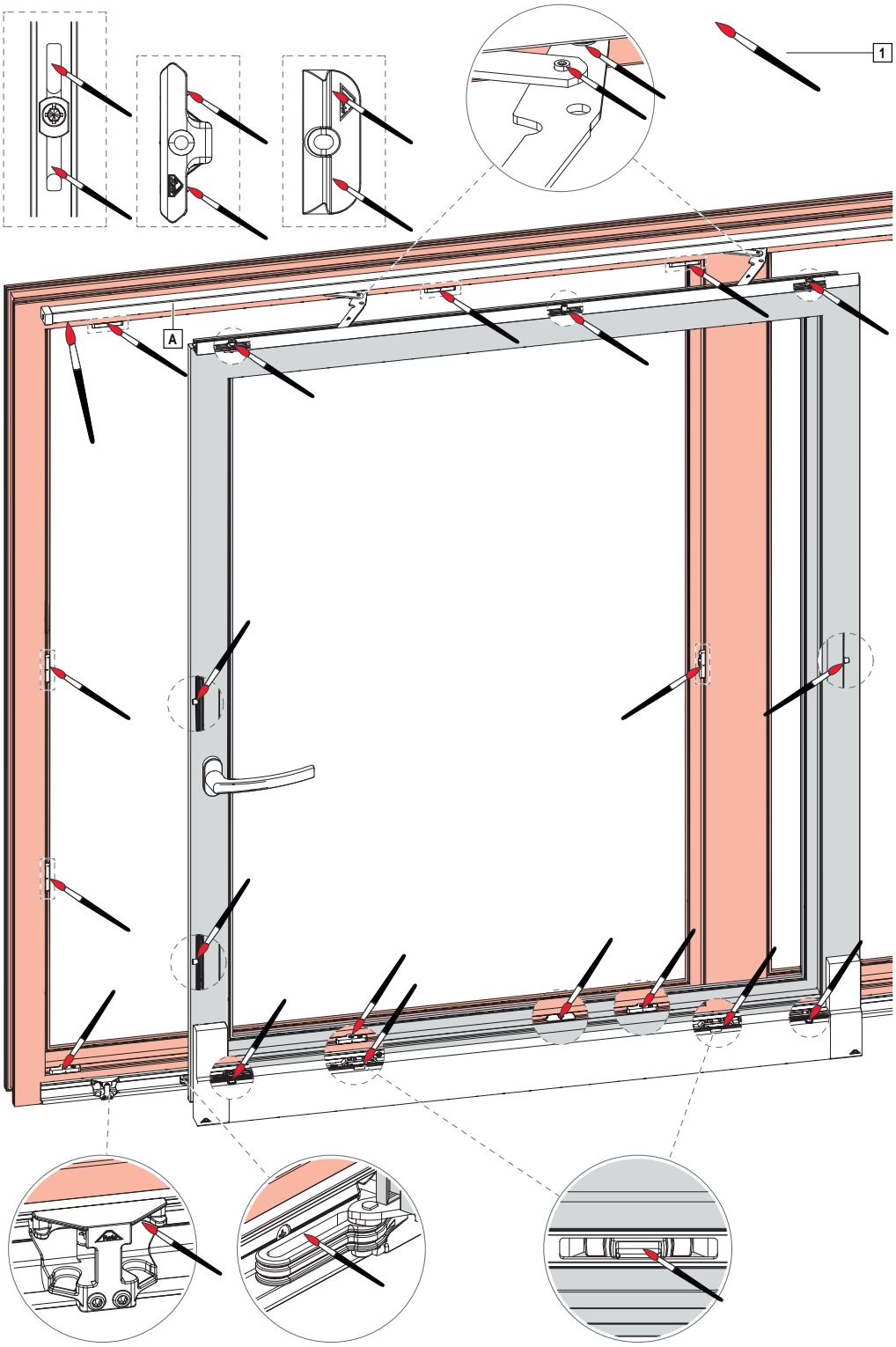

R05.3


R05.5


R06.2

R07.2

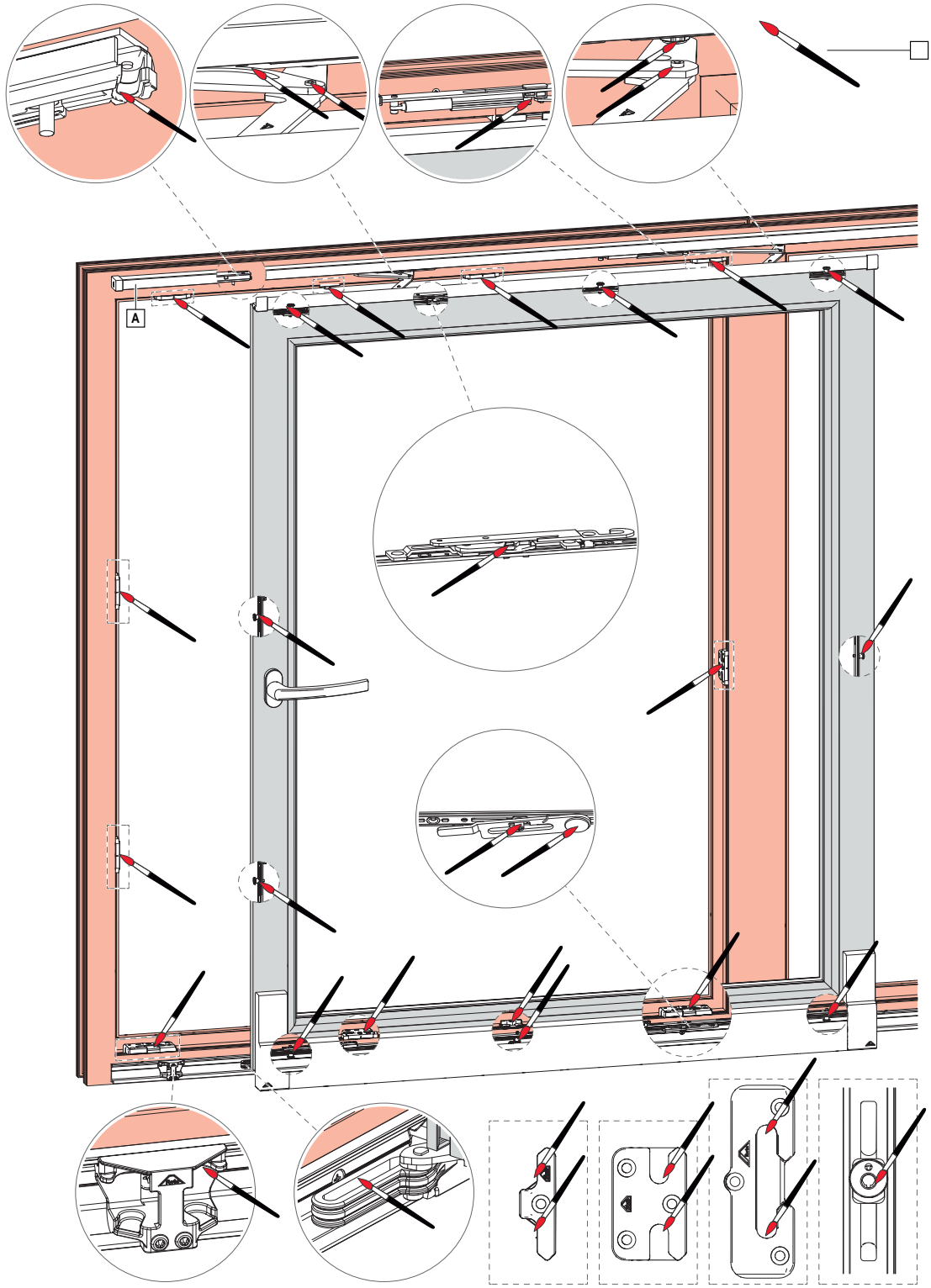
MAINTENANCE - LUBRICATION POINTS



1- LUBRICATING OIL

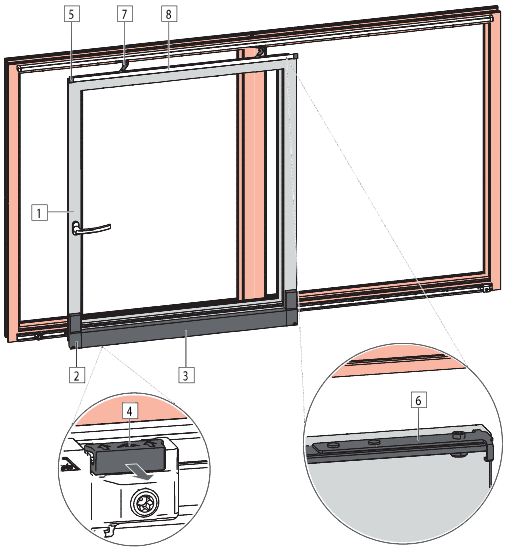
PATIO ALVERSA SYSTEM PS

MAINTENANCE - LUBRICATION POINTS



1- LUBRICATING OIL

REMOVING THE WINDOW LEAF



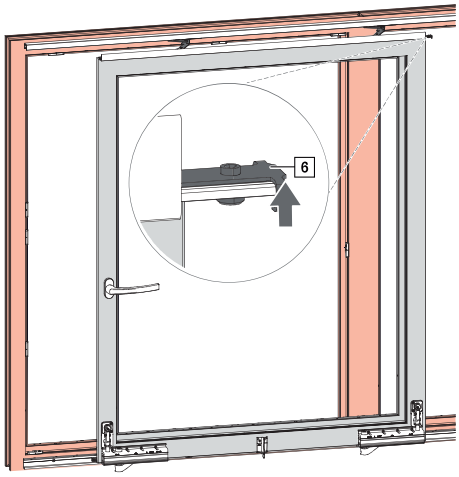
Removing Window Leaf

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.

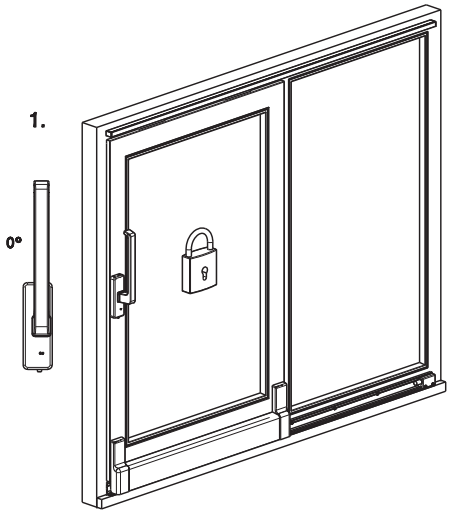
⚠ WARNING!!!
Risk of physical and material damage due to heavy weight!
Uncontrolled lifting and carrying of heavy weight might lead to harm and causing material damage.
» Transport and dismanteling must be handled by at least two people,
» Do not put sashes on trolleys,
» Use additional means of transportation,



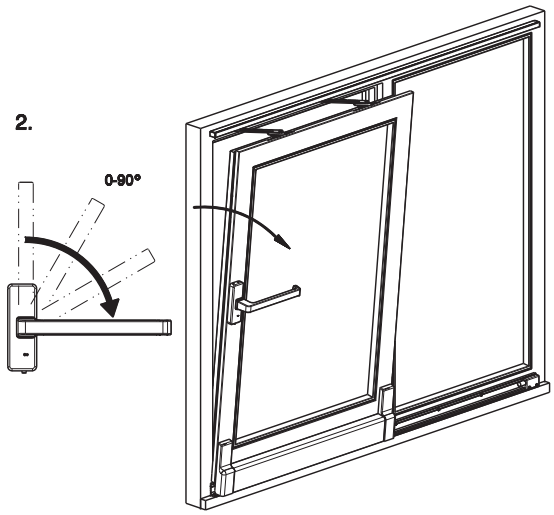


PATIO PSK MZ SYSTEM
HANDLING

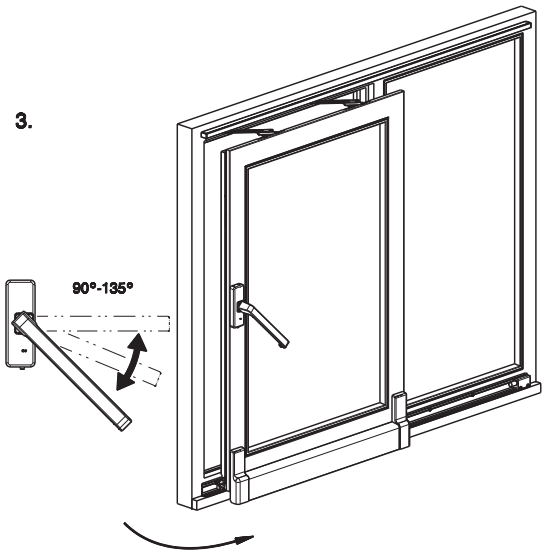
1.



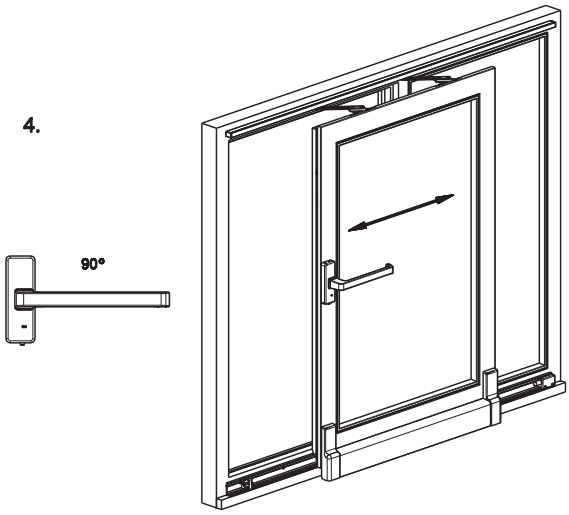
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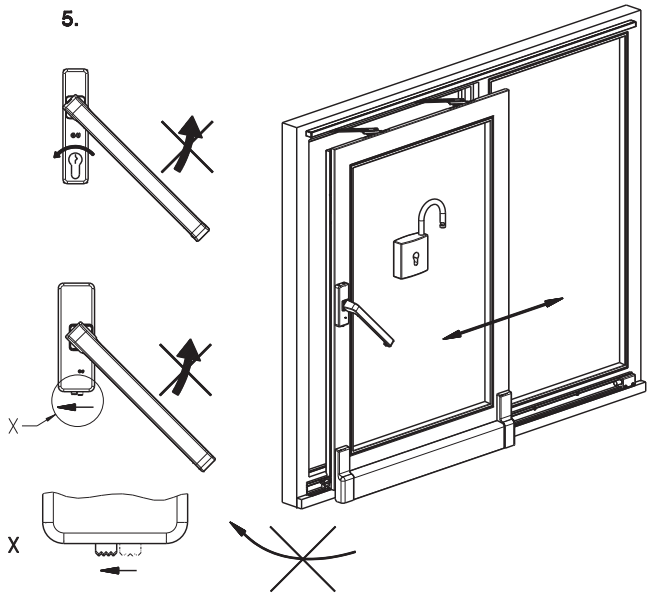
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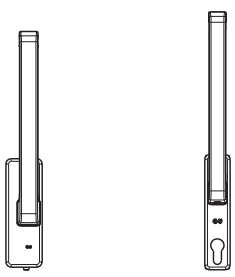


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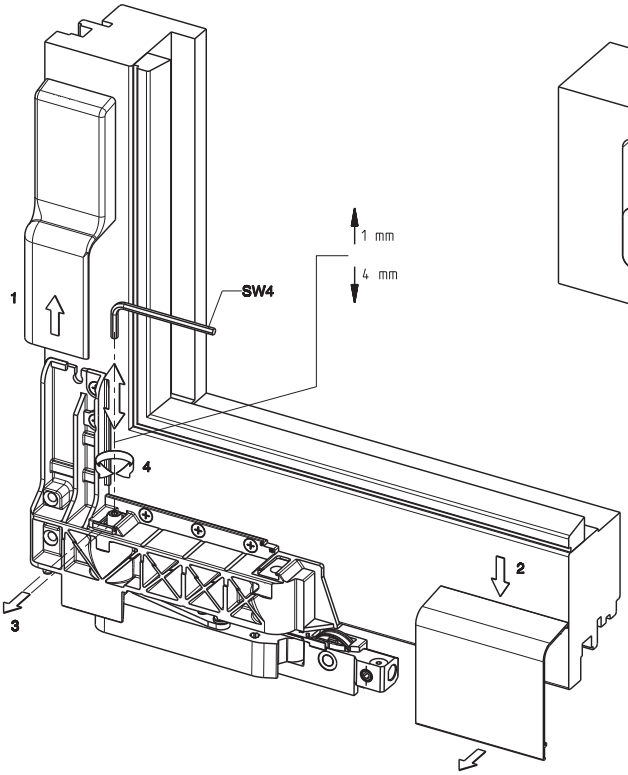


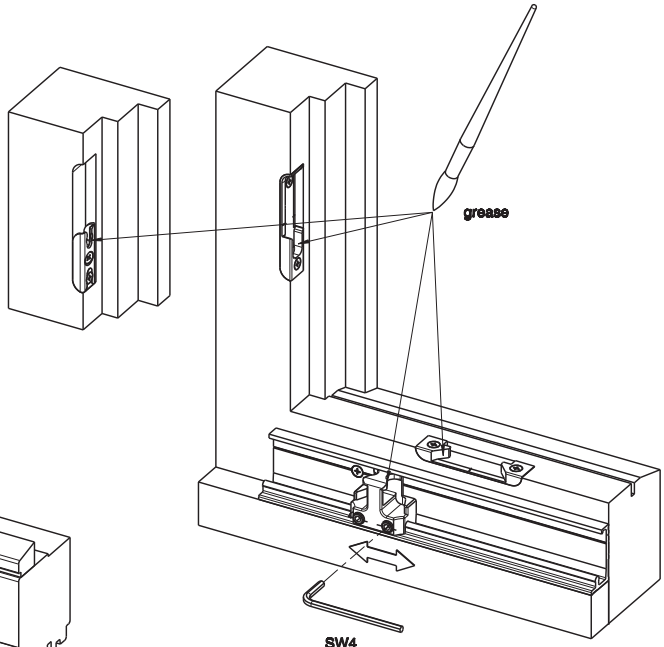
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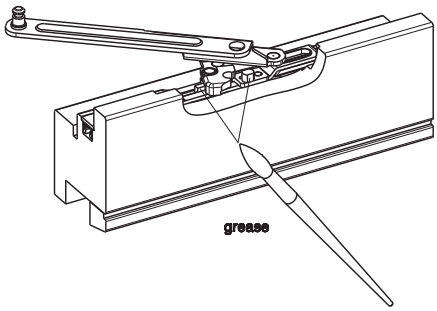


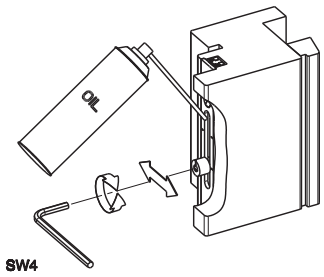


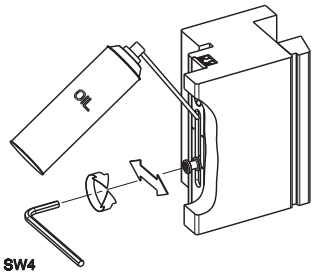
PATIO PSK MZ SYSTEM
MAINTENANCE - LUBRICATION POINTS

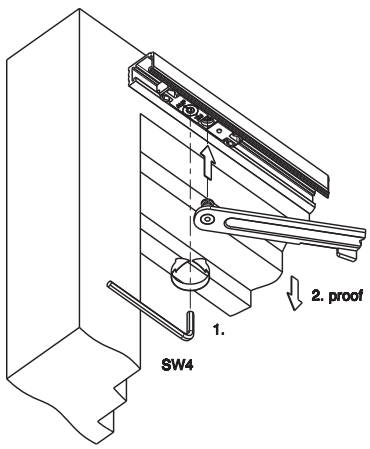




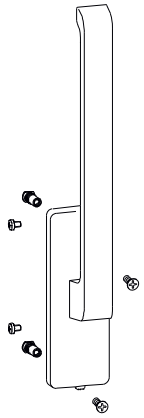




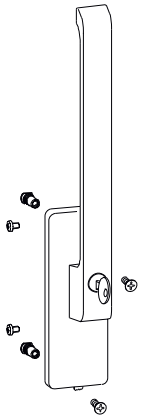




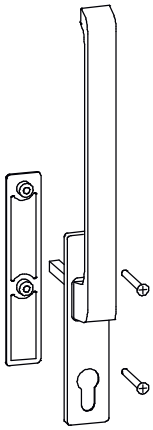
PATIO PSK MZ SYSTEM
HANDLE TYPES



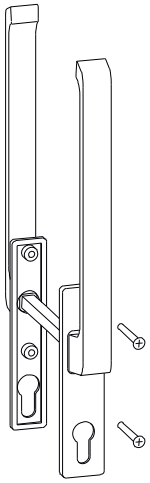
STANDARD INTERIOR LONG



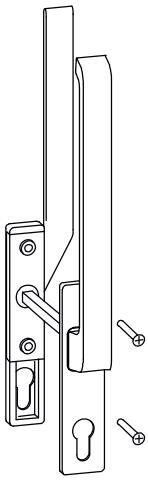
INTERIOR LONG WITH LOCK



INTERIOR LONG WITH HALF-CYLINDER



DOUBLE SIDED LONG PZ WITH CYLINDER

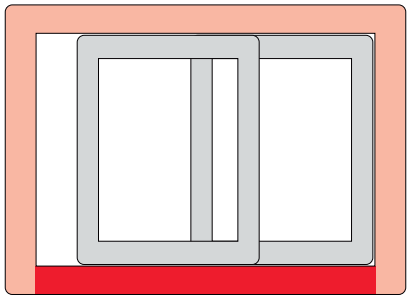


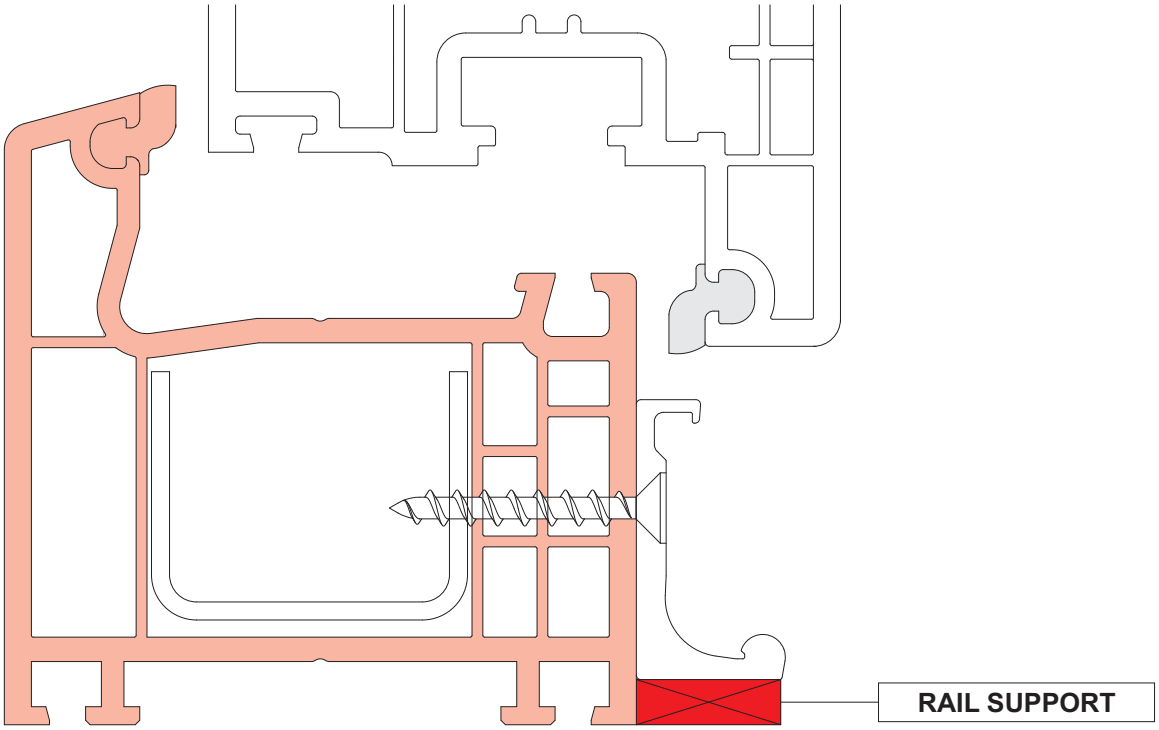
DOUBLE SIDED LONG PZ WITH CYLINDER - outside for roller shutter

INFORMATION REGARDING THE INSTALLATION OF ALVERSA / PSK

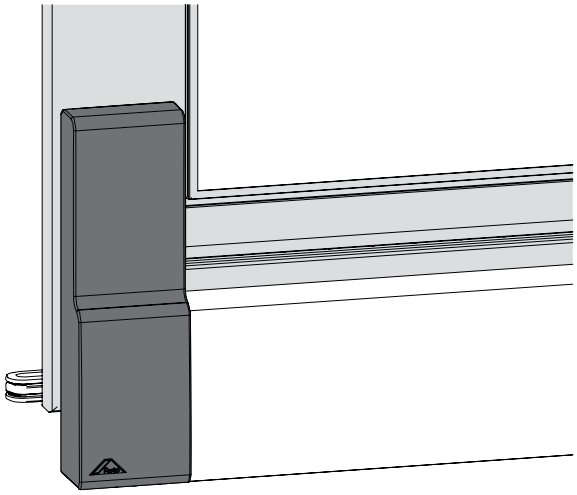
CAUTION - Danger of crushing and damagematerial due to insufficient strain relief!

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





TROLLEY COVERS PSK



SET

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



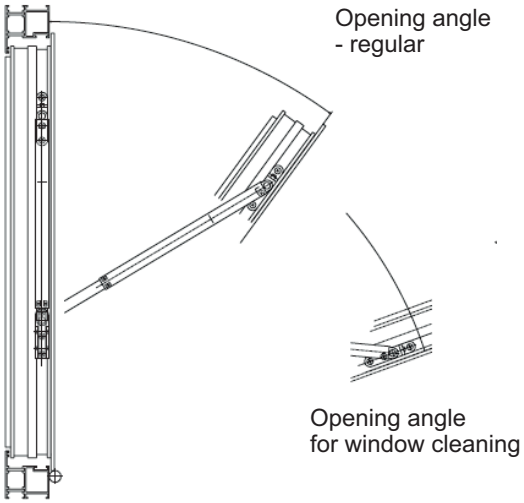
WHITE	9-38542-00-L-7	9-38542-00-R-7
SILVER	9-38542-00-L-1	9-38542-00-R-1

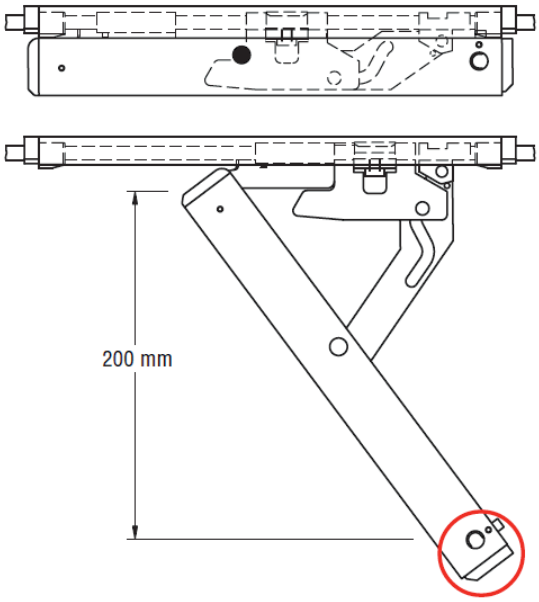
VENTUS FITTINGS FOR TILT WINDOWS

VENTUS F 200 TILT WINDOW CLOSING DEVICE:



- opening width 200 mm,
- enables a safe and comfortable form of room ventilation,
- in cooperation with the electric drive, it allows the adjustment of the sash opening width according to the user's preferences,
- the scissor arm that holds the sash in the tilt position can be easily detached, making window cleaning a breeze.





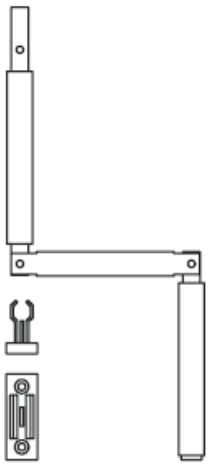
POSSIBLE SOLUTIONS FOR THE VENTUS F 200:

1) HANDLEVER
2) CRANK GEAR
3) ELECTRIC DRIVE

1)*



2)



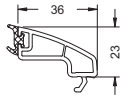
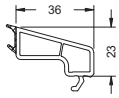
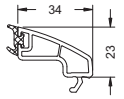
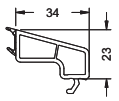
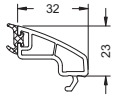
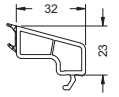
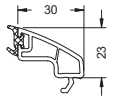
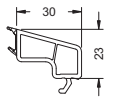
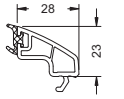
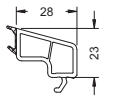
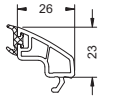
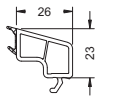
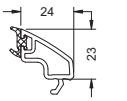
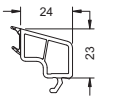
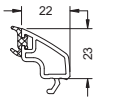
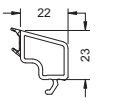
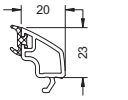
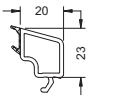
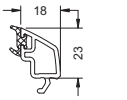
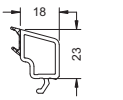
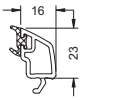
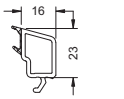
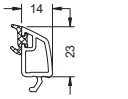
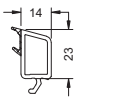
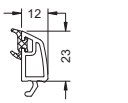
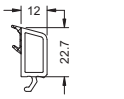
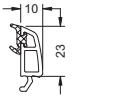
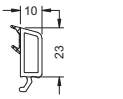
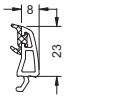
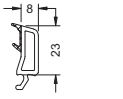
3)* *



* for comfortable use of the handle, you can use a 30mm or 50mm extension on its side (however, this is not required)

** a 30mm extension should be used under the top of the engine

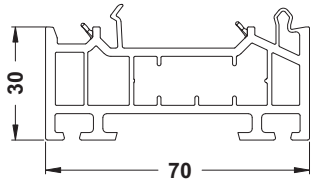
GLAZING BEADS

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***	

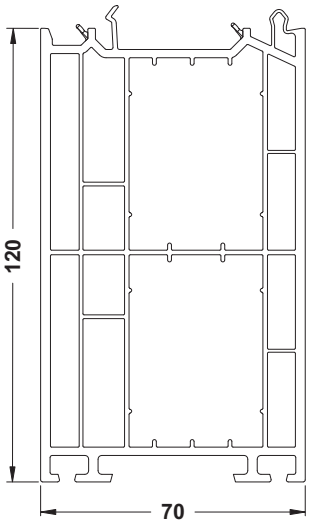
SUPPLEMENTARY PROFILES - EXTENDERS

CT70

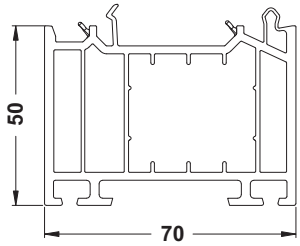
9757



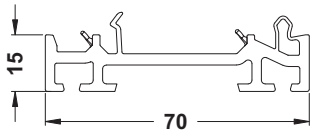
9759



9758

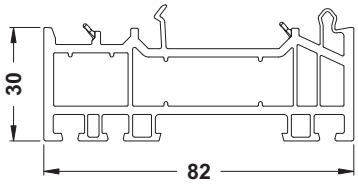


9756

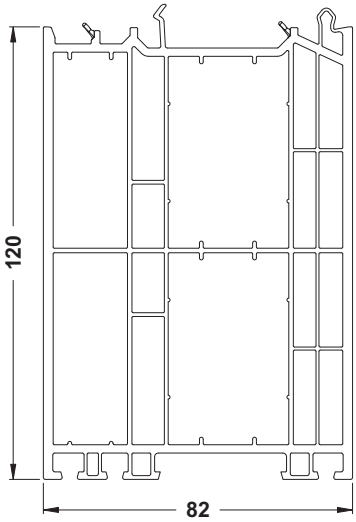


LIVING

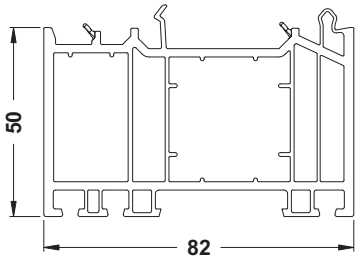
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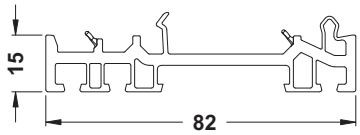
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9368

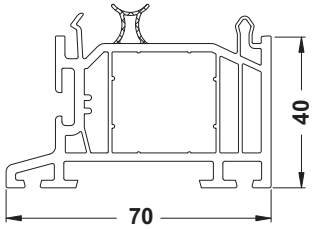


9366



SUPPLEMENTARY PROFILES

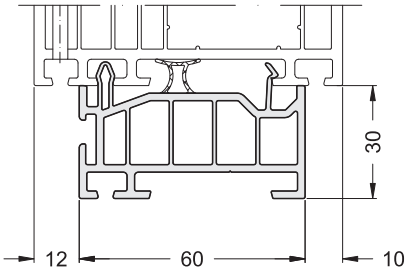
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SUPPLEMENTARY PROFILES

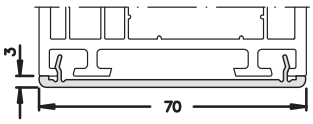
LIVING - WINDOW SILL ATTACHMENT BAR 5K - RECYCLED

9197



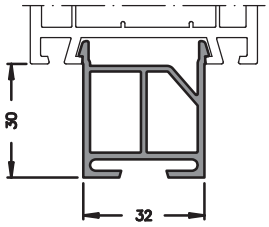
CT70 - PROTECTIVE COVER PROFILE

8823



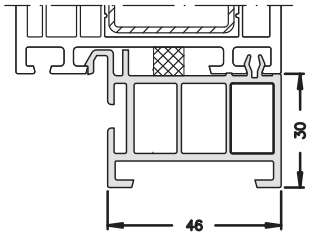
WINDOW SILL ATTACHMENT BAR
RECYCLED PVC

8674



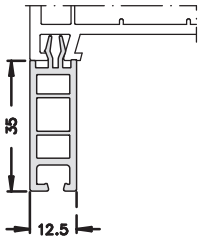
WINDOW SILL ATTACHMENT BAR

8299

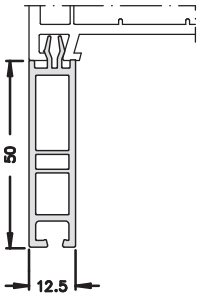


CONNECTORS

8759

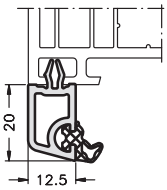


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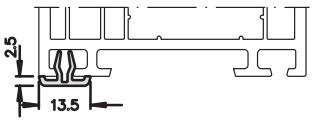
GASKET BAR

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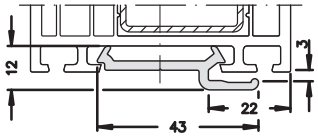
GROOVE COVER BAR

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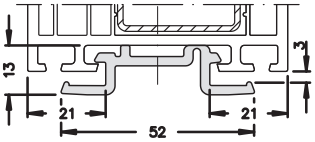
MOUNTING PROFILE

7612



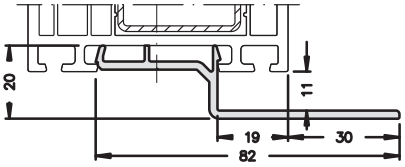
MOUNTING PROFILE

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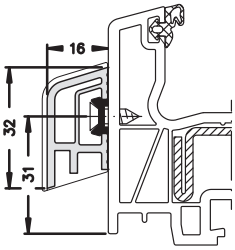
MOUNTING PROFILE

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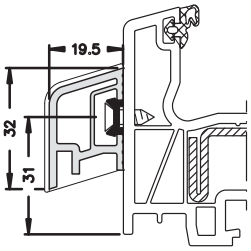
DRIP CAP

7547



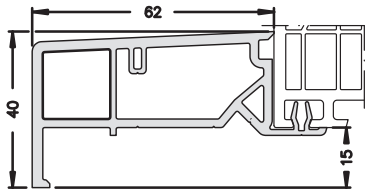
DRIP CAP

7494

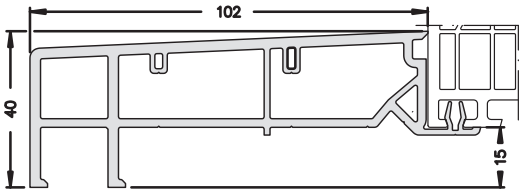


SUPPLEMENTARY PROFILES - WINDOW SILLS

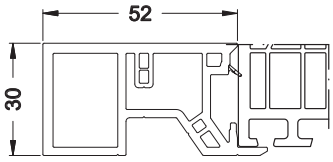
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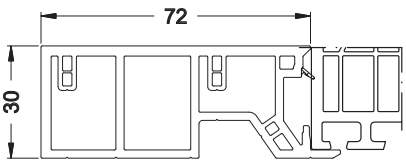
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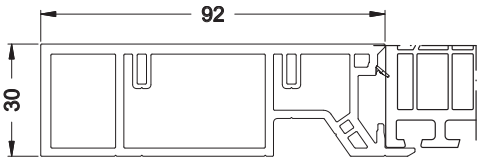
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9643

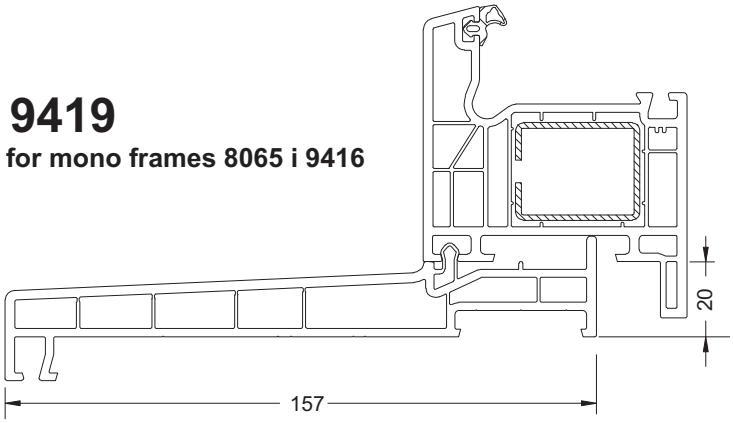


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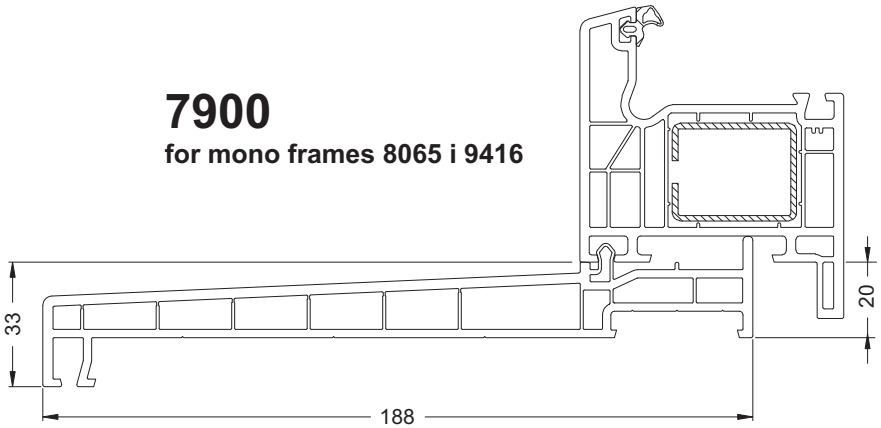
9419

for mono frames 8065 i 9416



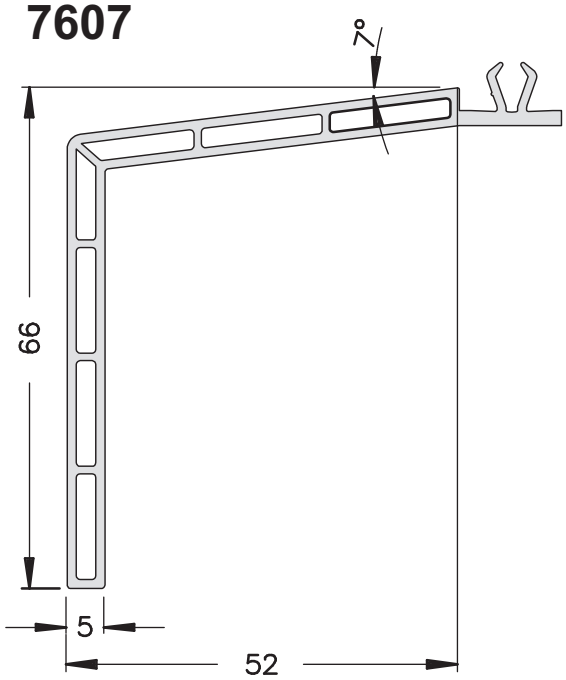
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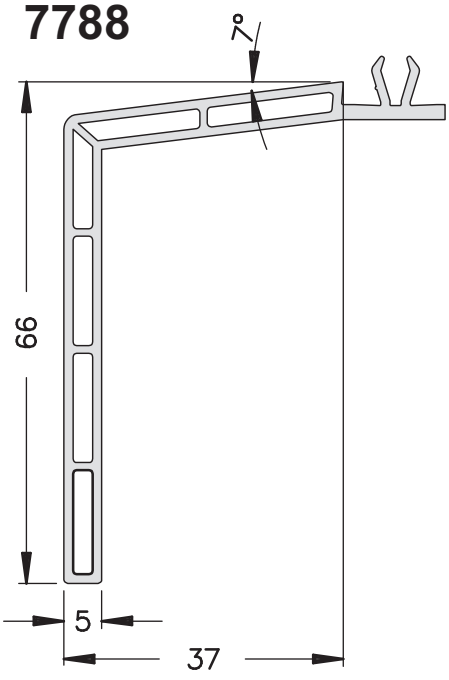


SUPPLEMENTARY PROFILES - WINDOW SILLS

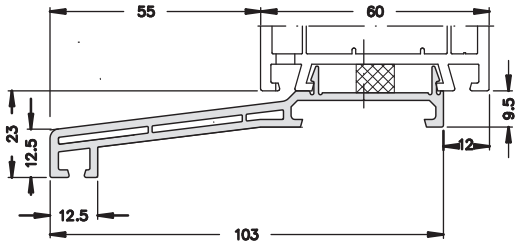
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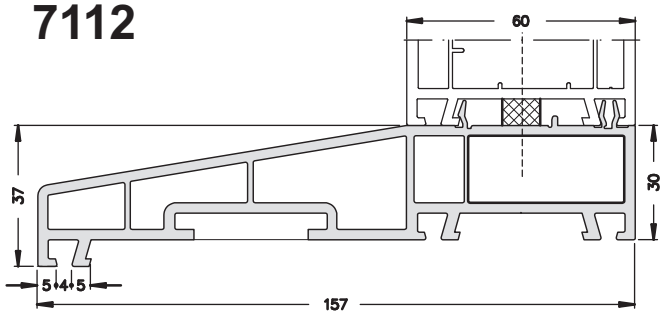
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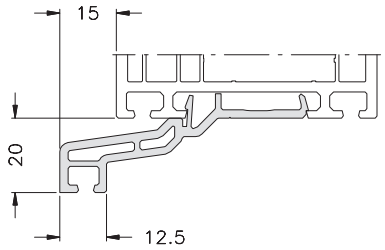
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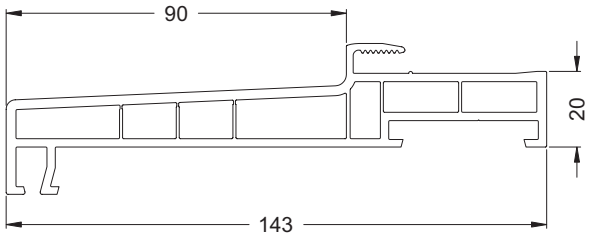
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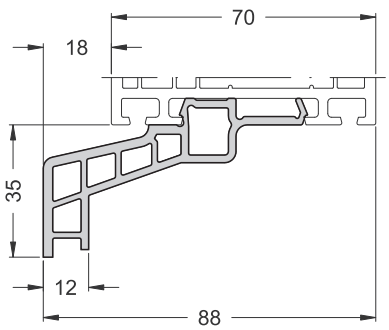
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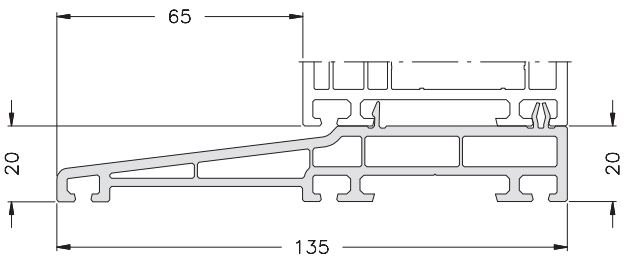
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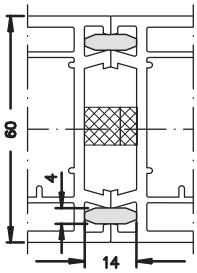
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SUPPLEMENTARY PROFILES - CONNECTORS

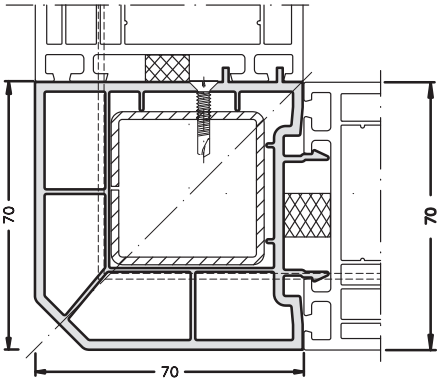
STRIP FRAME CONNECTOR

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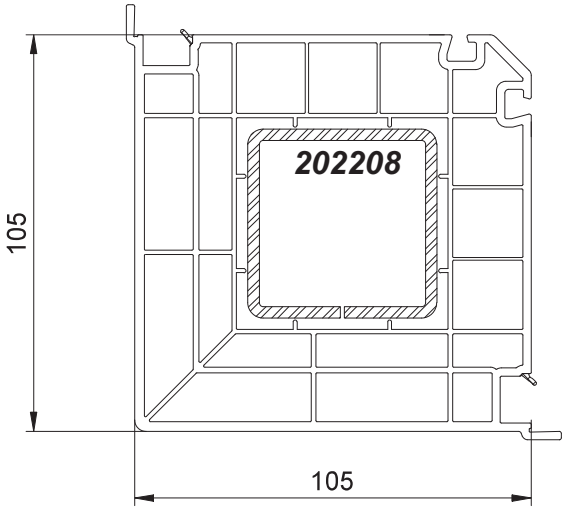
CORNER CONNECTOR TO CT70

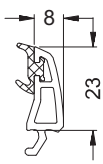
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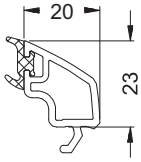
CORNER CONNECTOR

9811

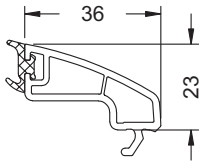




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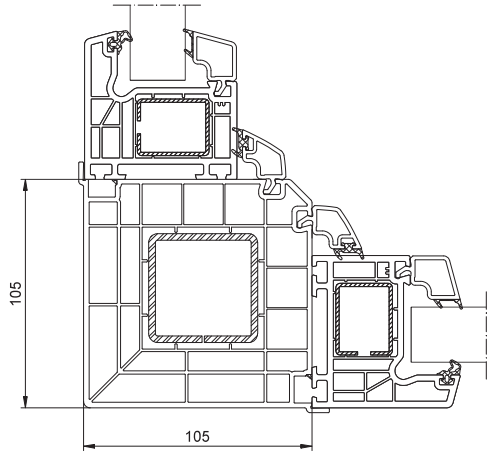
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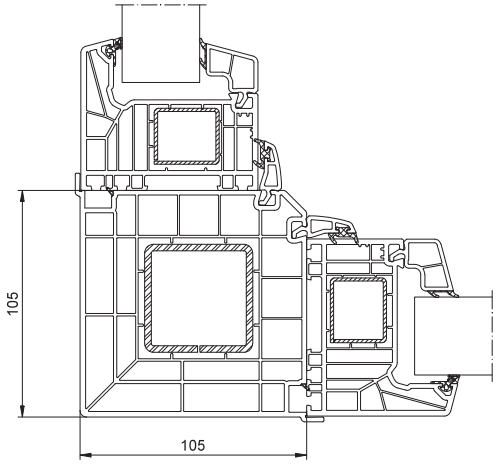
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CORNER CONNECTOR 9811 - APPLICATION

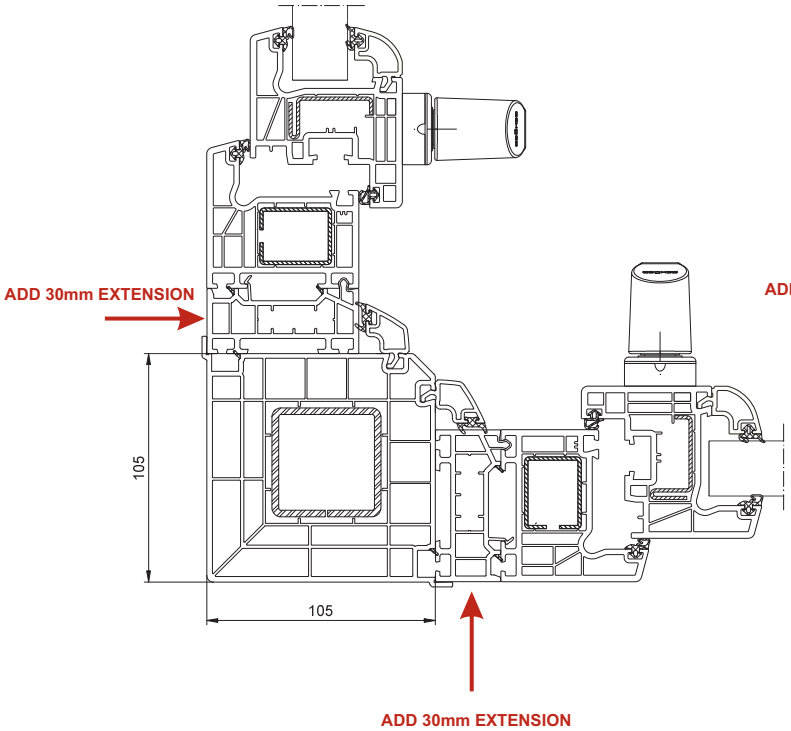
CT70 FIX



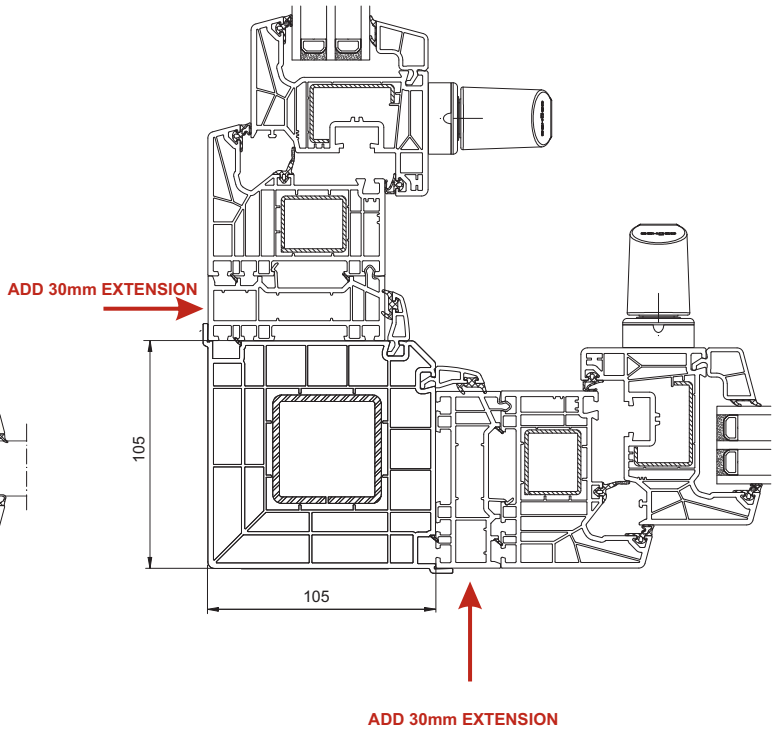
LIVING FIX



CT70

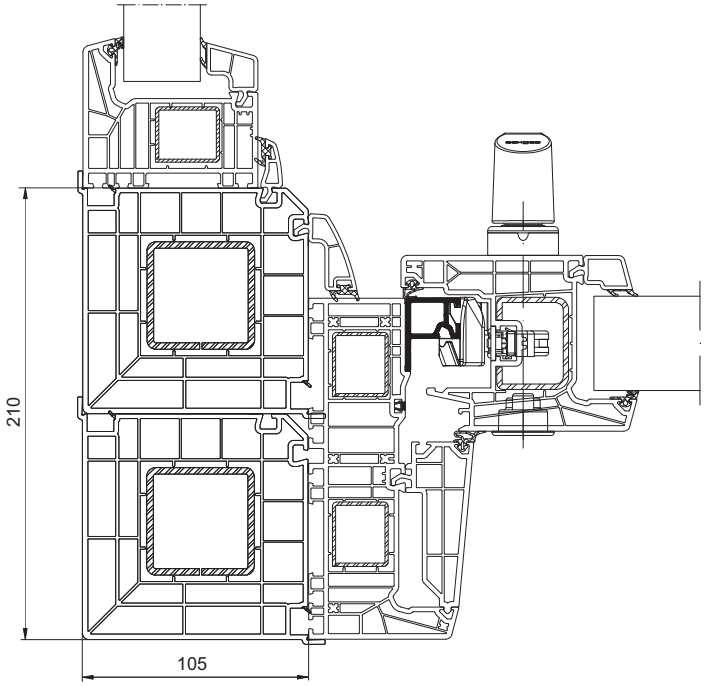


LIVING

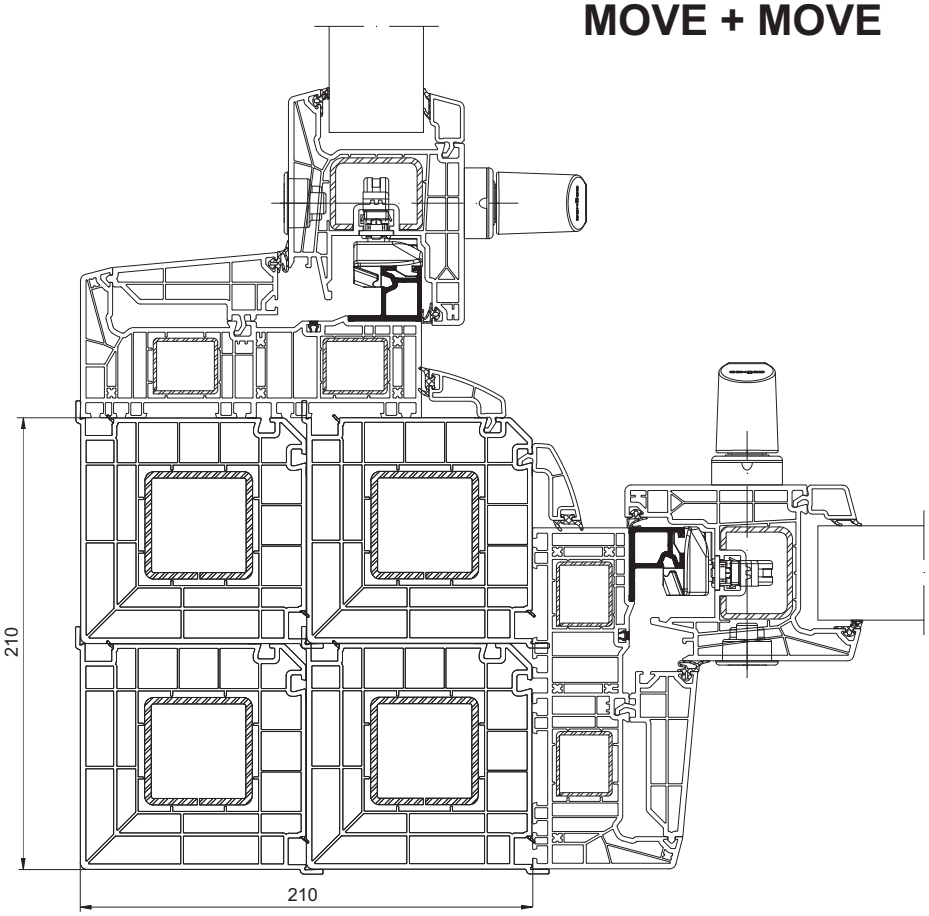


CORNER CONNECTOR 9811 - APPLICATION

MOVE + LIVING FIX

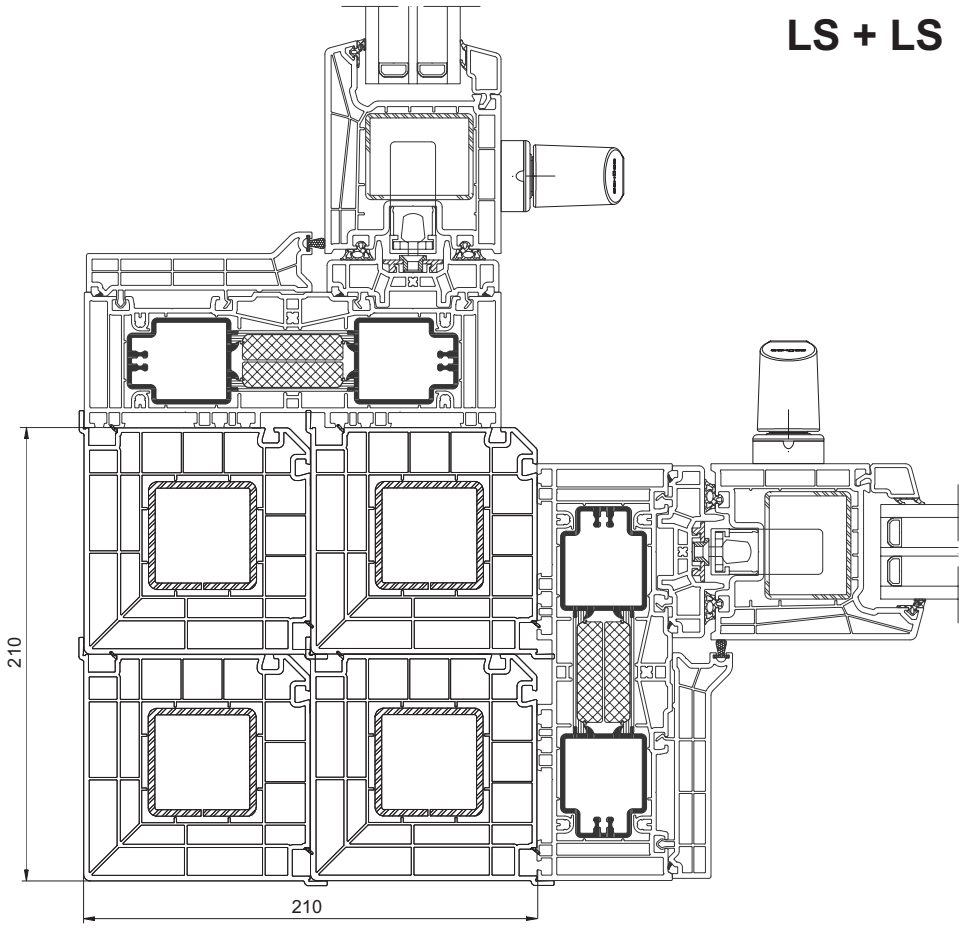


MOVE + MOVE

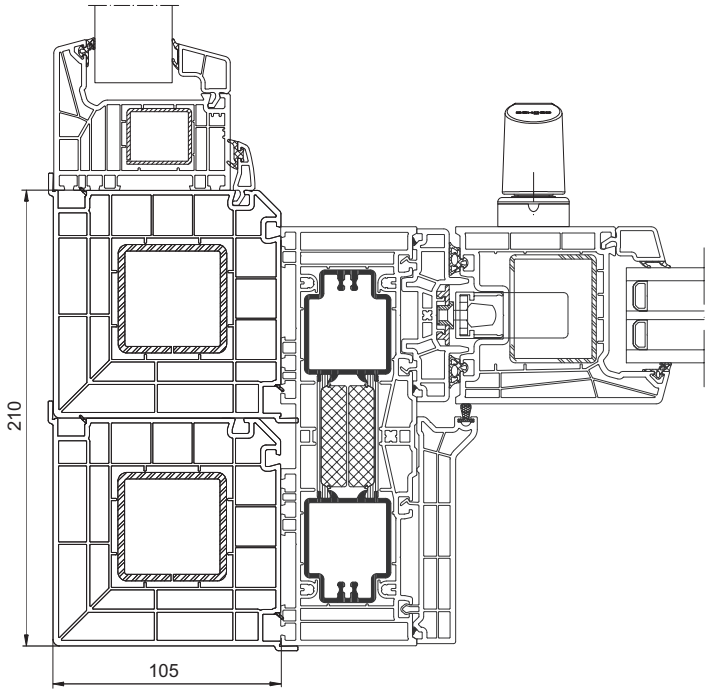


CORNER CONNECTOR 9811 - APPLICATION

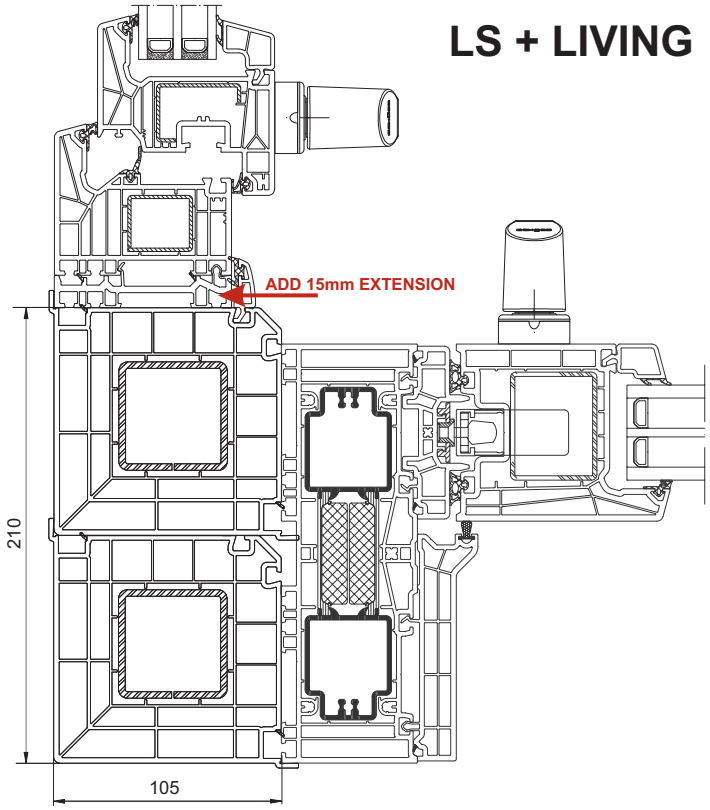
LS + LS



LS + LIVING FIX



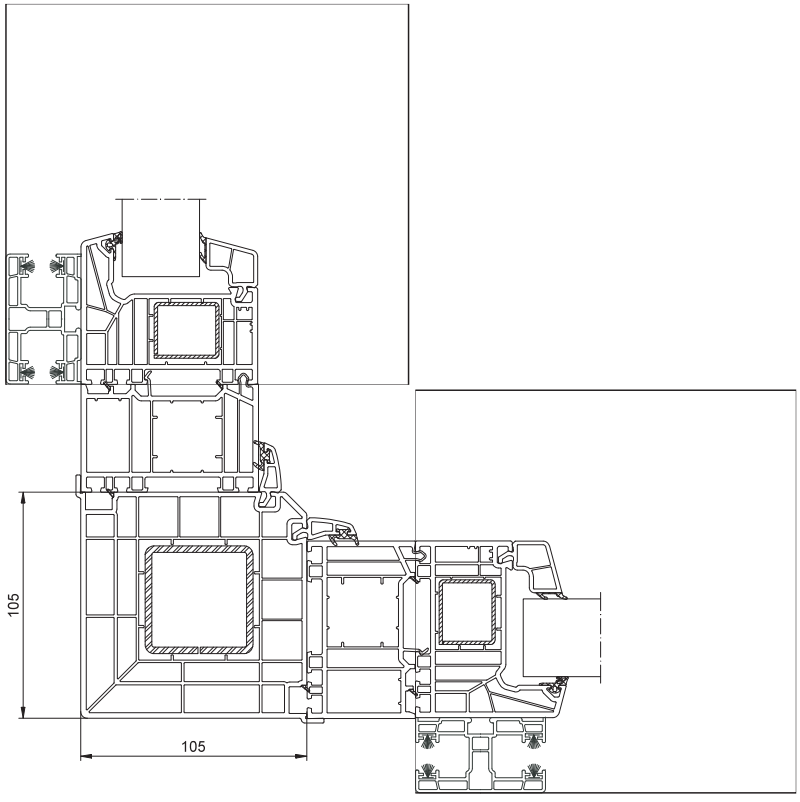
LS + LIVING



CORNER CONNECTOR 9811
APPLICATION WITH ROLLER SHUTTERS

Extension selection table for individual systems and roller shutter boxes

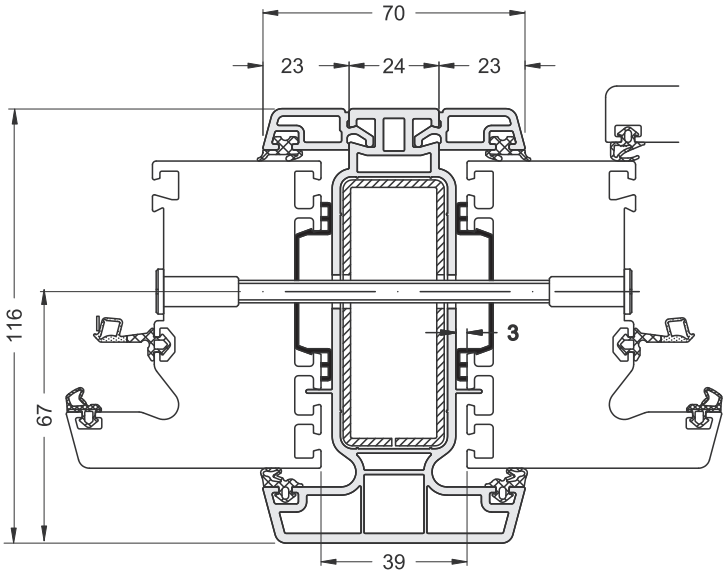
TYPE OF ROLLER BLIND	BOX HEIGHT	BOX DEPTH	GUIDE HEIGHT	CONNECTOR 8579 70 X 70	CONNECTOR 9811 105 X 105	
				CT70	CT70 LIVING	LS MOVE
				MINIMUM EXTENSION		
CC1000	135	162	35	**57**	**22**	X
CC1000	160	186	35	**81**	**46**	X
CC1000	200	228	35	**123**	**88**	X
MX1200 STD	160	212	35	**107**	**72**	X
MX1200 STD	200	254	35	**149**	**114**	X
TL1000	160 – 200	253	35	**148**	**113**	X
TP1000	220 – 250	255	40	**145**	**110**	**110**
TP1000 + MOSK	220 – 250	255	54	**131**	**96**	X
SN5000 REV-INT	309	300	67	**163**	**128**	X
SN5000 REV-INT	309	365	67	**228**	**193**	X
SN5000 REV-INT + MOSK	309	300	78	**152**	**117**	X
SN5000 REV-INT + MOSK	309	365	78	**217**	**182**	X
SN5000 REV-EXT (+MOSK)	309	300	100	**130**	**95**	**95**
SN5000 REV-EXT (+MOSK)	309	365	100	**195**	**160**	**160**
SN5000 SHUTTER	309	300	150	**80**	**45**	X
SN5000 SHUTTER	309	365	150	**145**	**110**	**110**

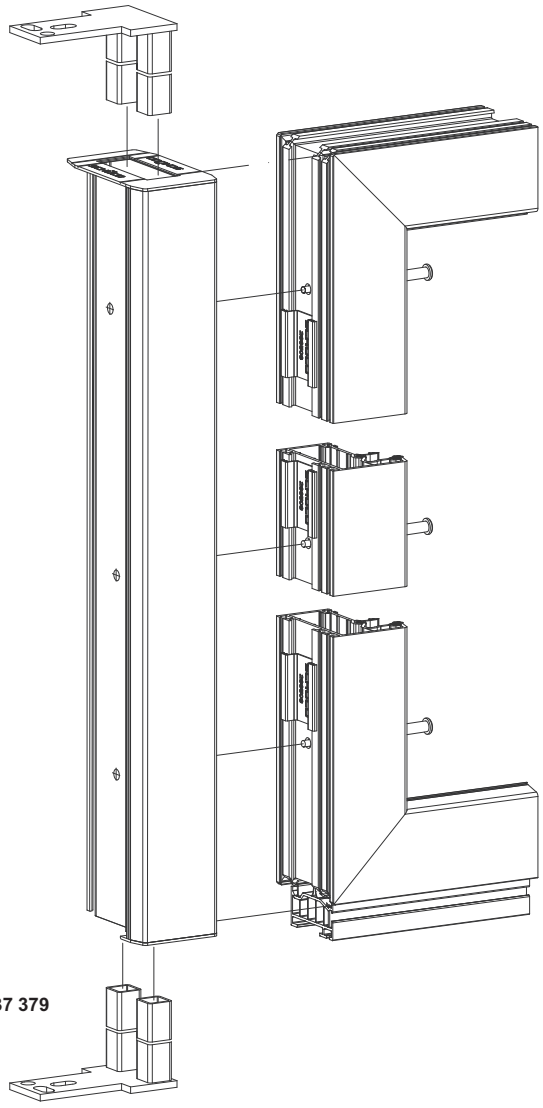


Example solution for the Living system with a roller shutter

SUPPLEMENTARY PROFILES - CONNECTORS

CT70 & LIVING
9190



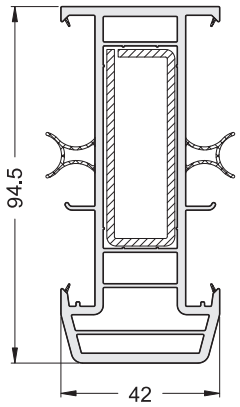


ASSEMBLY ANCHOR - 237 379

SUPPLEMENTARY PROFILES - CONNECTORS

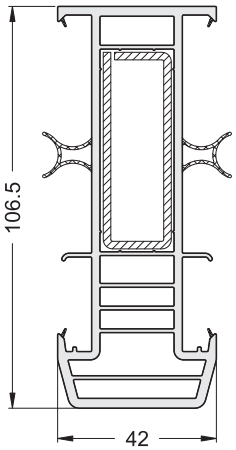
5K CONNECTOR - CT70

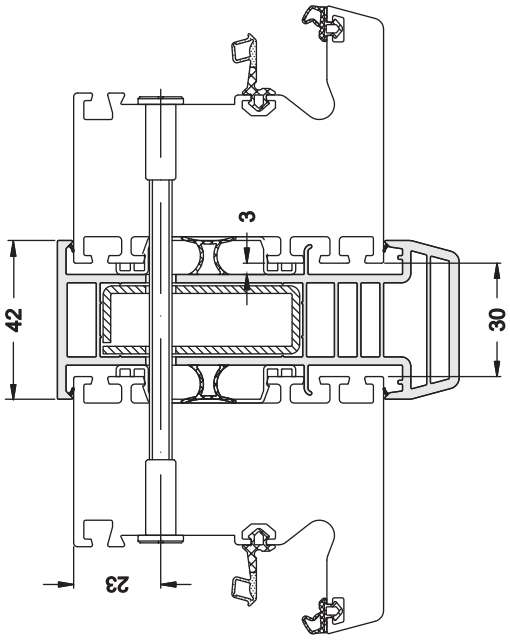
9211



7K CONNECTOR - LIVING

9212

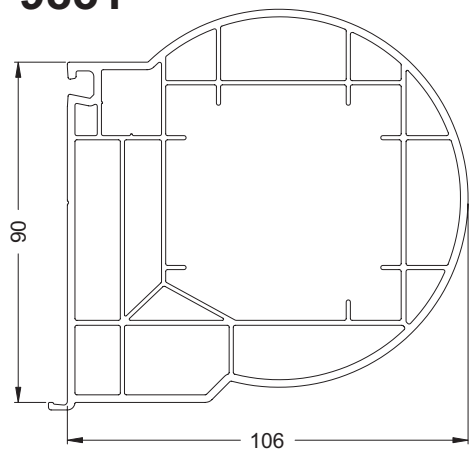




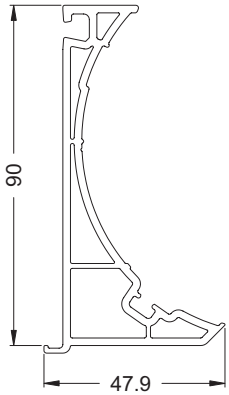
SUPPLEMENTARY PROFILES - CONNECTORS

ADJUSTABLE CORNER CONNECTOR

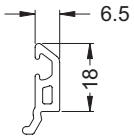
9831



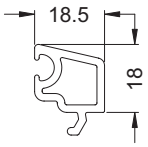
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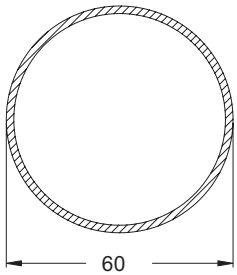
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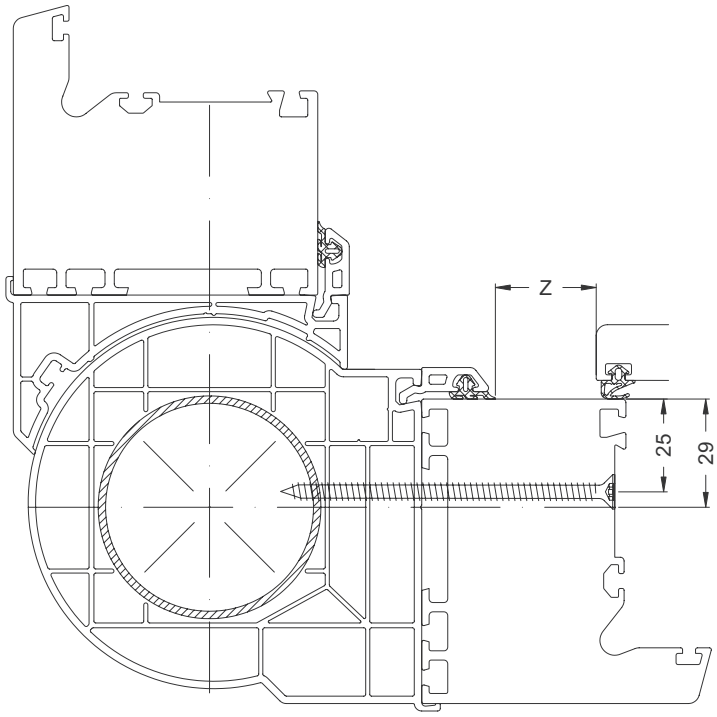


9834



20269500

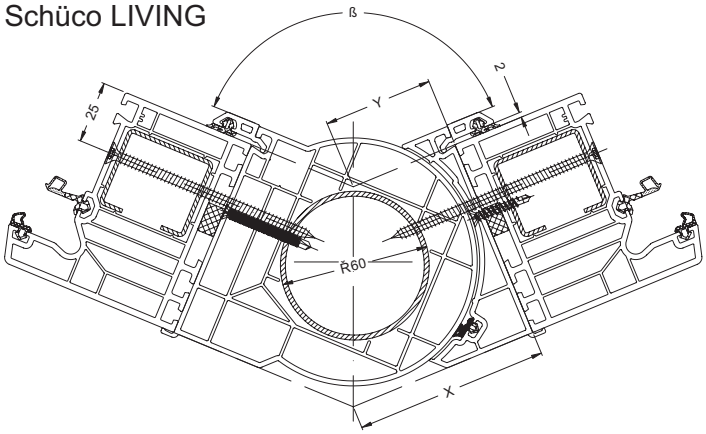




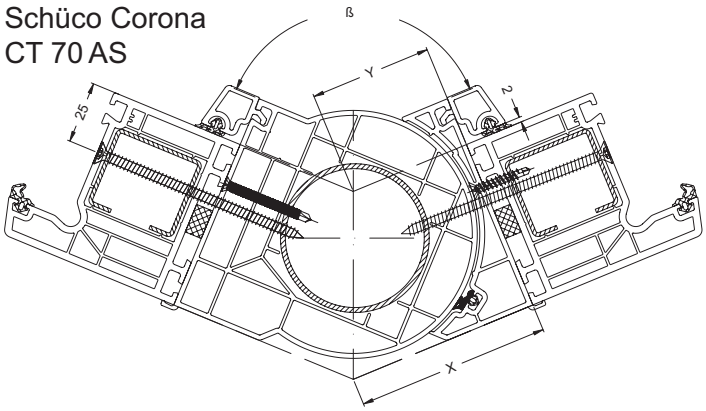
SUPPLEMENTARY PROFILES - CONNECTORS

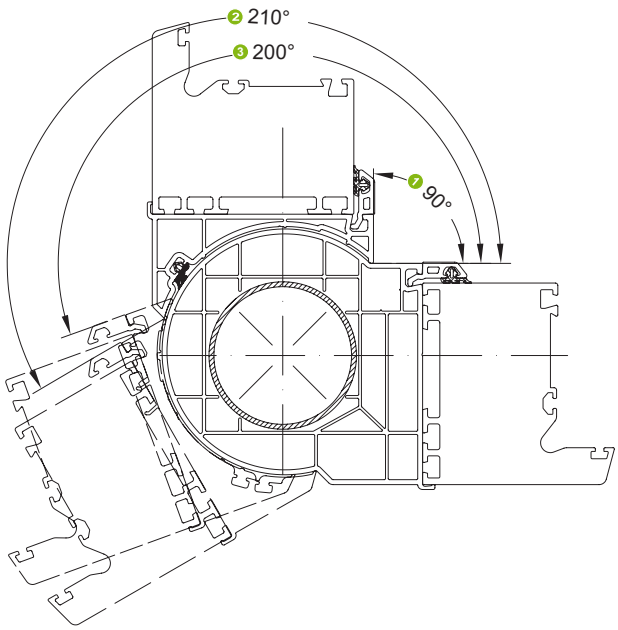
ADJUSTABLE CORNER CONNECTOR

Schüco LIVING



Schüco Corona
CT 70 AS



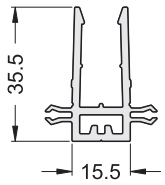


	82			70		
ß (°)	X	Y		X	Y	
90	110	28	x	110	40	x
95	105,5	30,5	x	105,5	41,5	x
100	101,5	32,5	x	101,5	42,5	x
105	97,5	34,5	x	97,5	44	x
110	94	36,5	x	94	45	x
115	90,5	38	x	90,5	46	x
120	87	40	x	87	47	x
125	84	41,5	x	84	47,5	x
130	81,2	43	x	81,2	48,5	x
135	78,5	44,5	x	78,5	49,5	x
140	75,5	46	x	75,5	50	x
145	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	

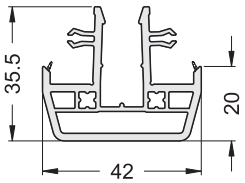
1 Minimal angle
2 Maximum angle for monochrome profiles
3 Maximum angle for foiled profiles

ADDITIONAL PROFILES - MULTI-PART COUPLING

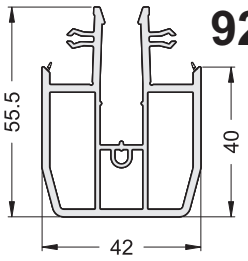
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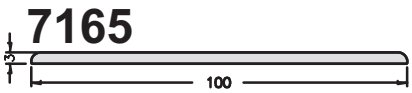
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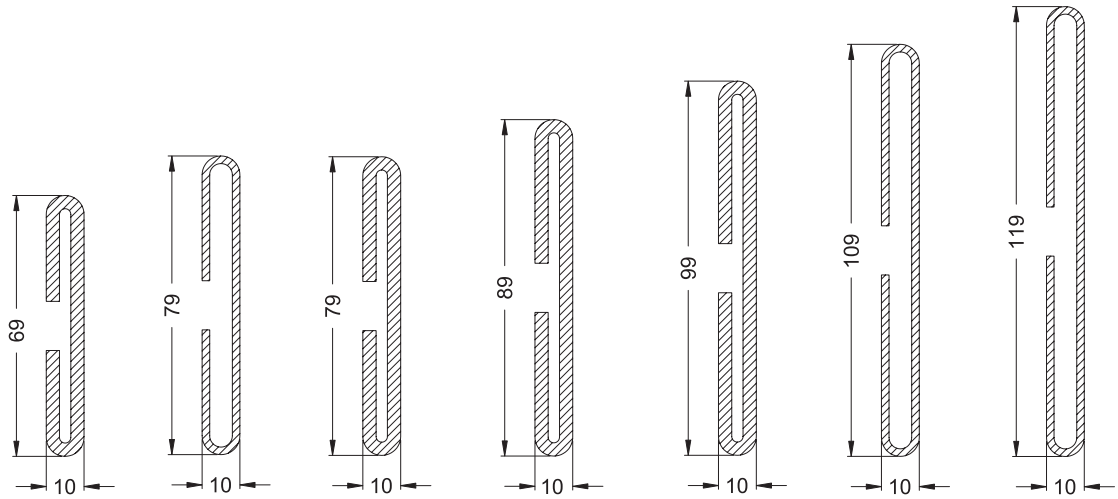


9283

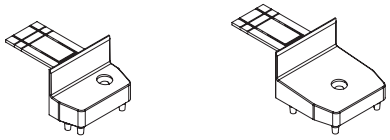


7165





202697 **202698** **202699** **202701** **202703** **202704** **202705**



BLIND COVER

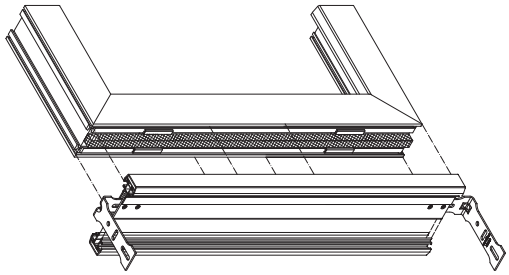
ASSEMBLY ANCHOR
286940

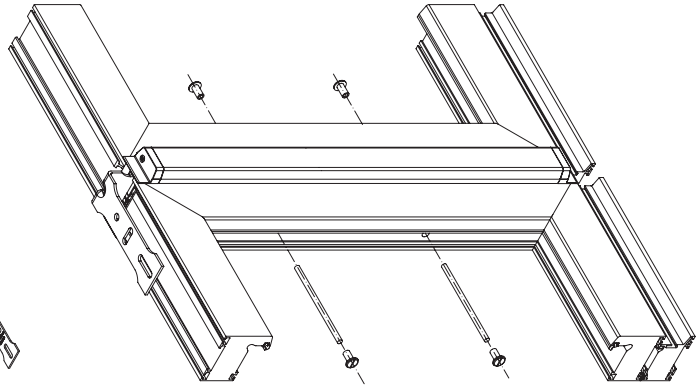


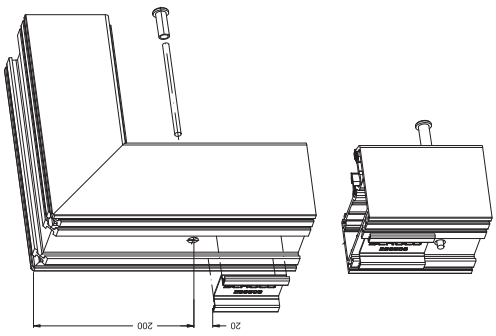


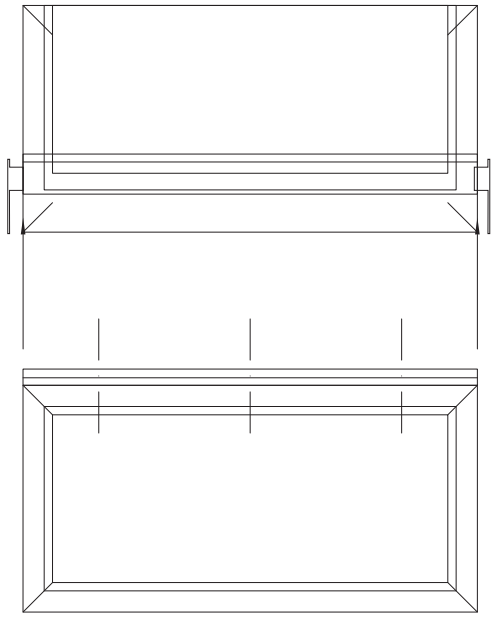
SPACER

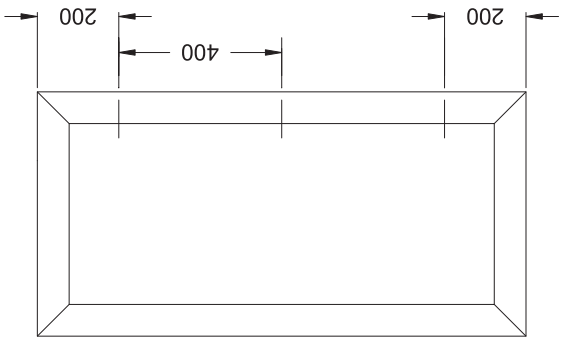
ADDITIONAL PROFILES - MULTI-PART COUPLING

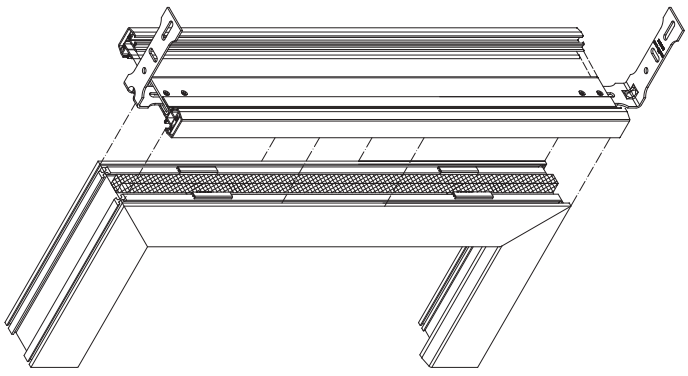








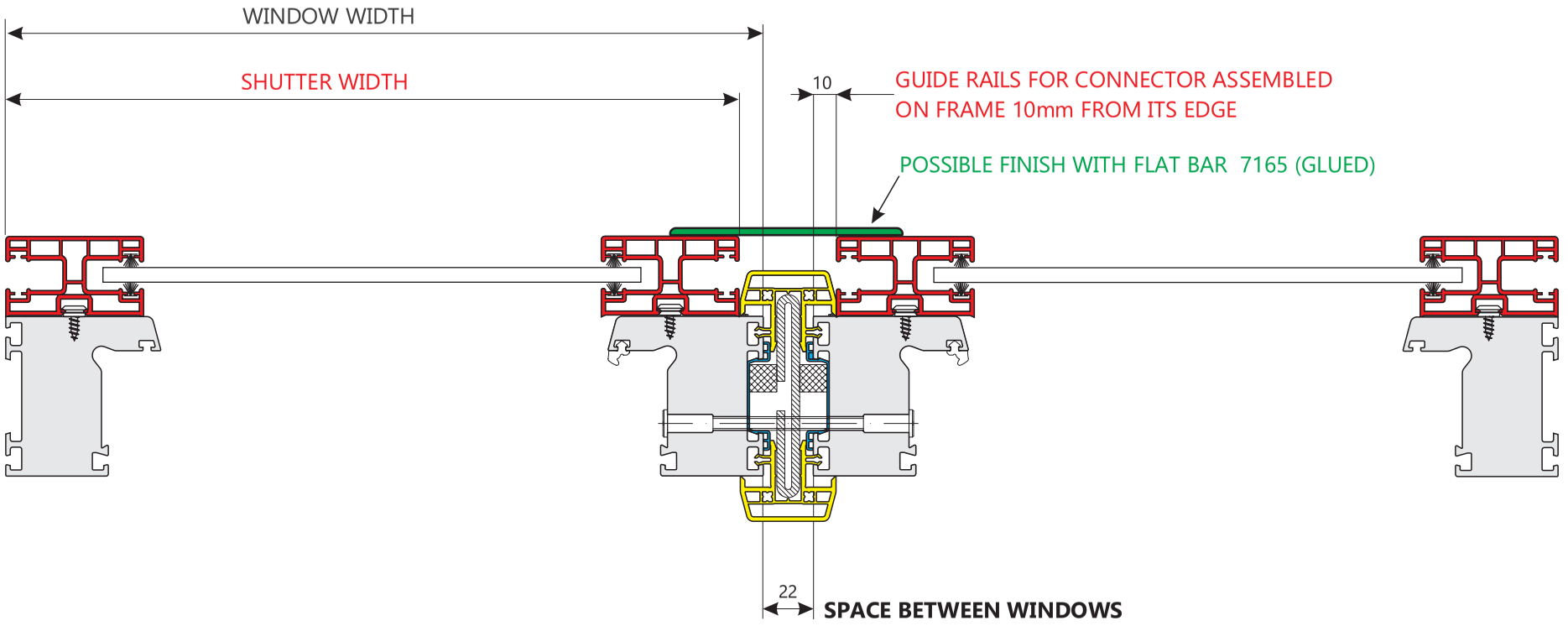




WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9282 + 9282

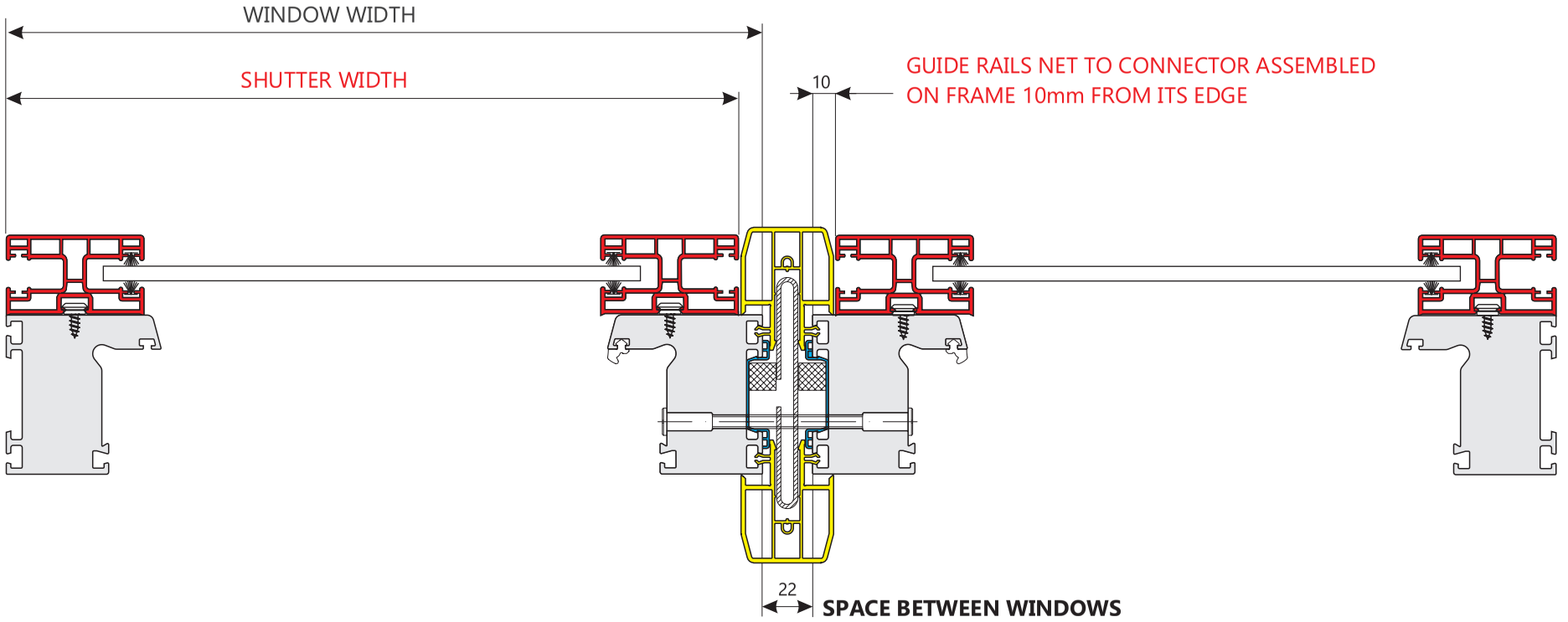
2 WINDOWS + 1 SHUTTERS



WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9283 + 9283

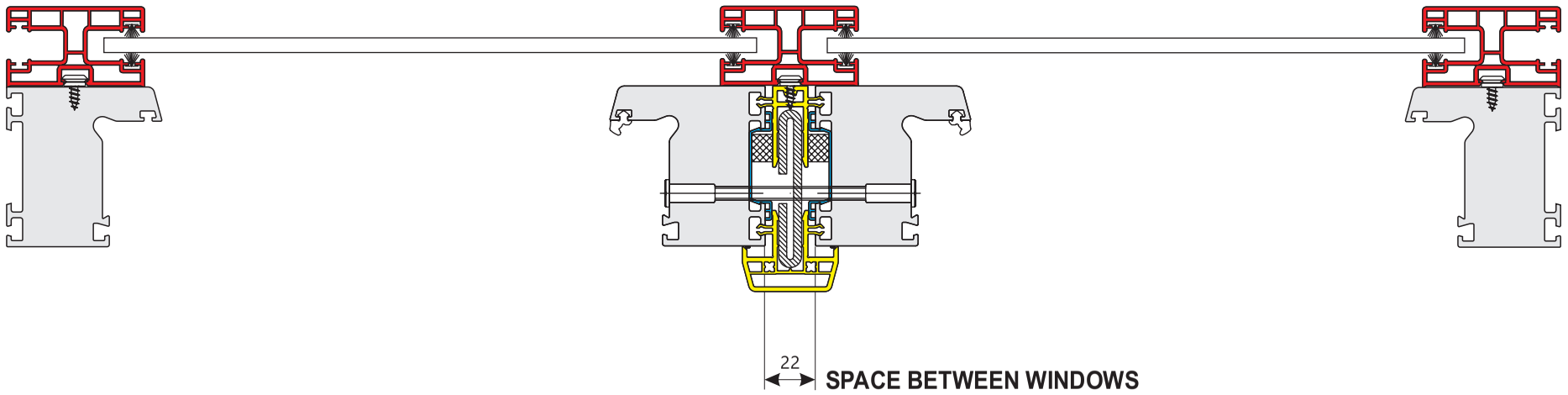
2 WINDOWS + 1 SHUTTERS



WINDOWS WITH ROLLER SHUTTERS ASSEMBLY WITH CONNECTOR

9280 + 9282 ODER 9280 + 9283

2 WINDOWS + 1 SHUTTER

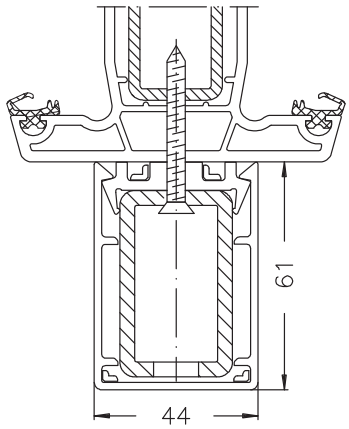


ADDITIONAL PROFILES

STATIC COVER STRIP

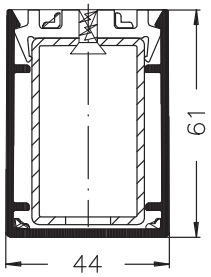
PVC COVER - WHITE

7206



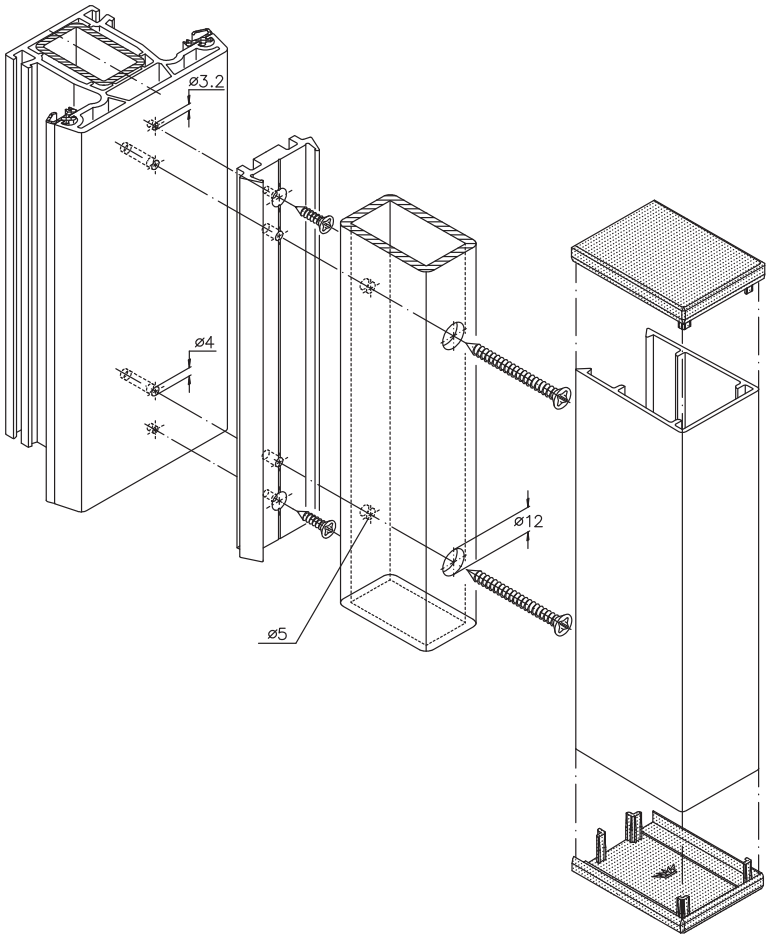
ALUMINIUM COVER-LAMINATED

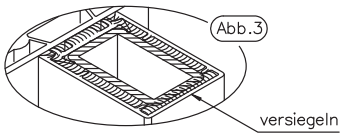
7025

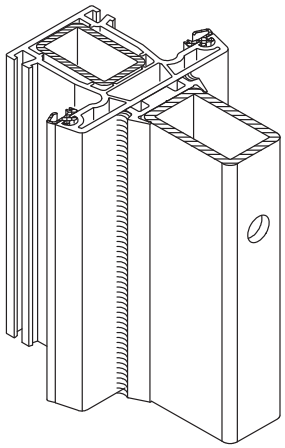


ALUMINIUM COVER - RAW

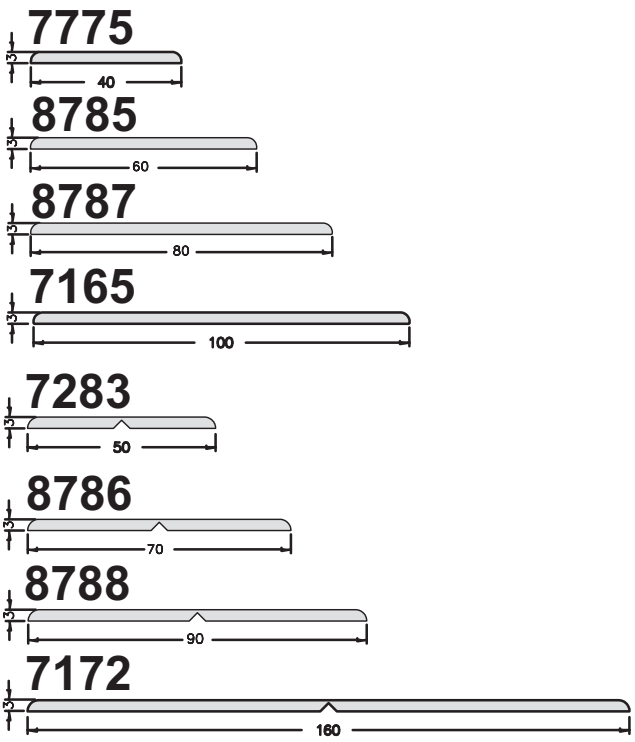
105 620

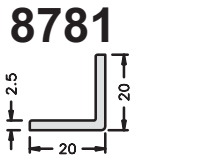


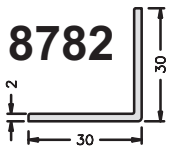


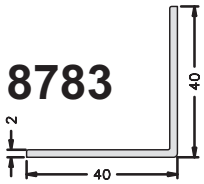


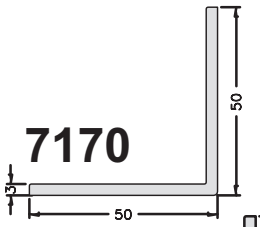
ADDITIONAL PROFILES - FLATLAND CORNER PROFILES

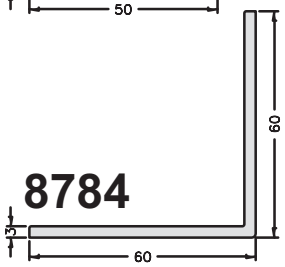


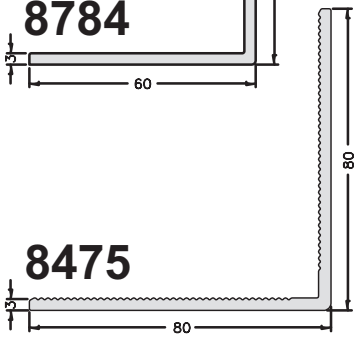


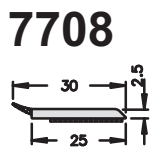


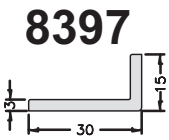


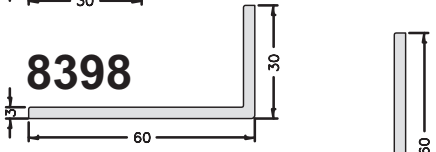


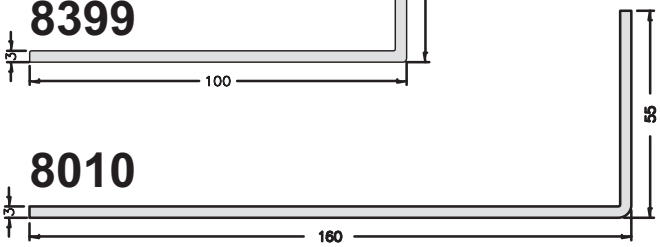


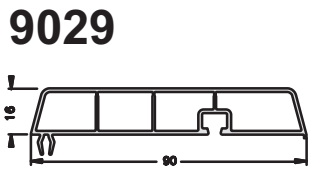


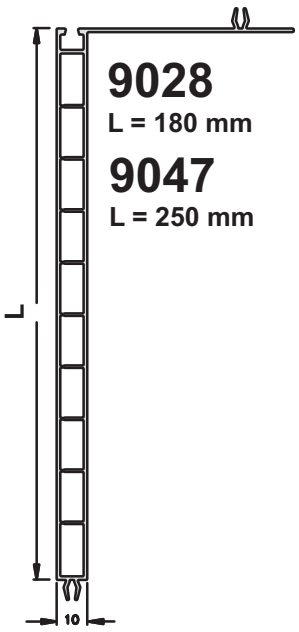


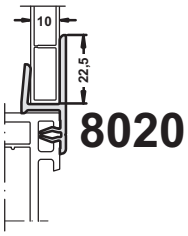


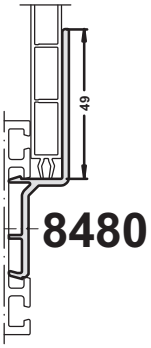




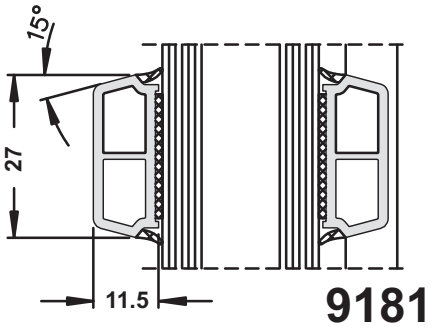




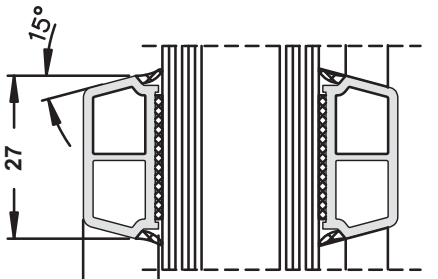




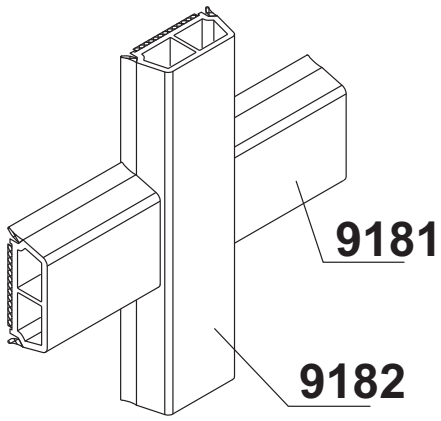
ADDITIONAL PROFILES - GLUED-ON FEATURE BARS

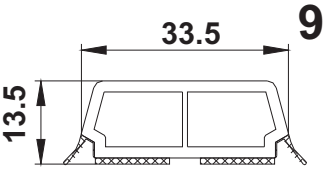


9181

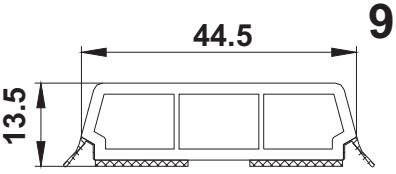


9182

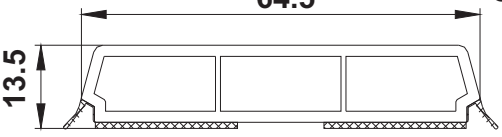




9183

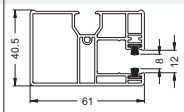
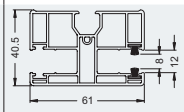
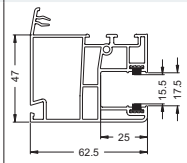
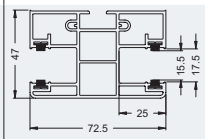
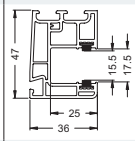
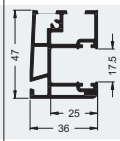
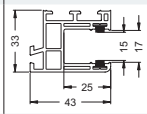
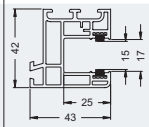
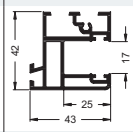
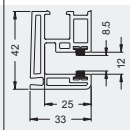
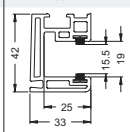
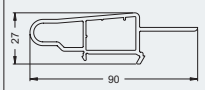
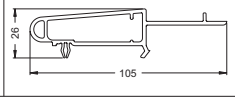


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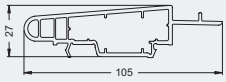
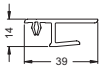
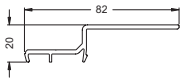
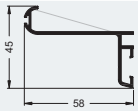
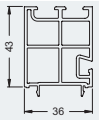


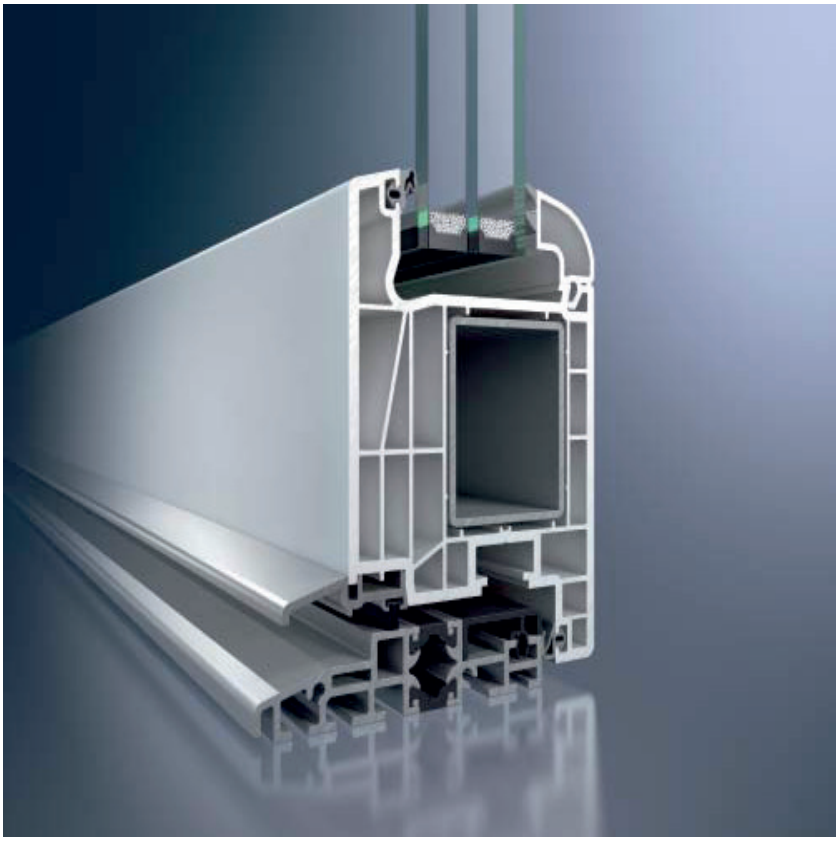
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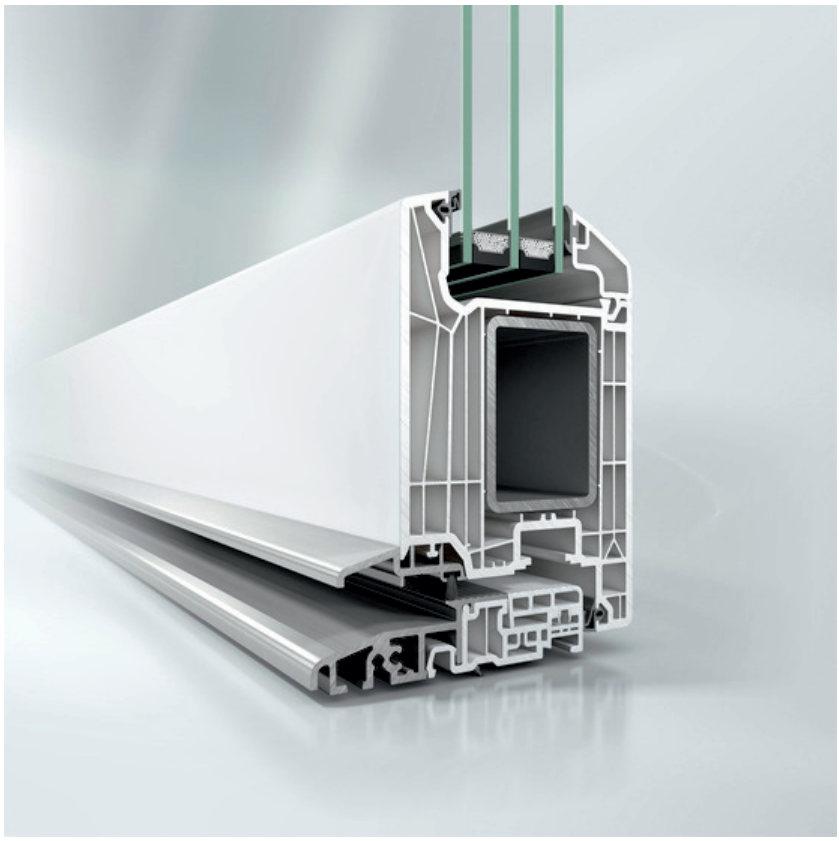
SCHÜCO - PROFILES FOR ROLLER SHUTTERS

Art..-Nr. Art.. No.	Abbildung Illustration	Benennung Description	Schüco Living	x
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		Rollladentraverse Roller shutter traverse	AS/ MD	6,0 m
18049000 18049150		Rollladentraverse Roller shutter traverse	AS/ MD	6,0 m

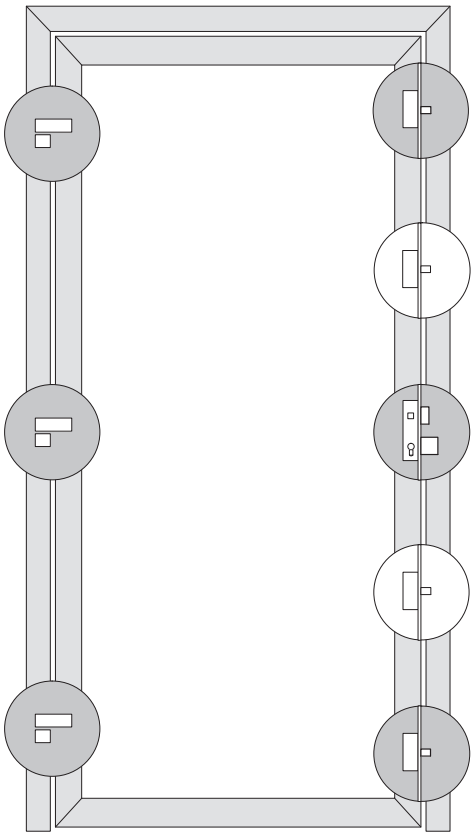
SCHÜCO - PROFILES FOR ROLLER SHUTTERS

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		Abrollleiste 16/15 Top roller shutter guide 16/15	AS/ MD	6,0 m
18297000 18297150 18297100		Abrollleiste 5/15 Top roller shutter guide 5/15	AS/ MD	6,0 m
13296300		Alu-Abrollleiste 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



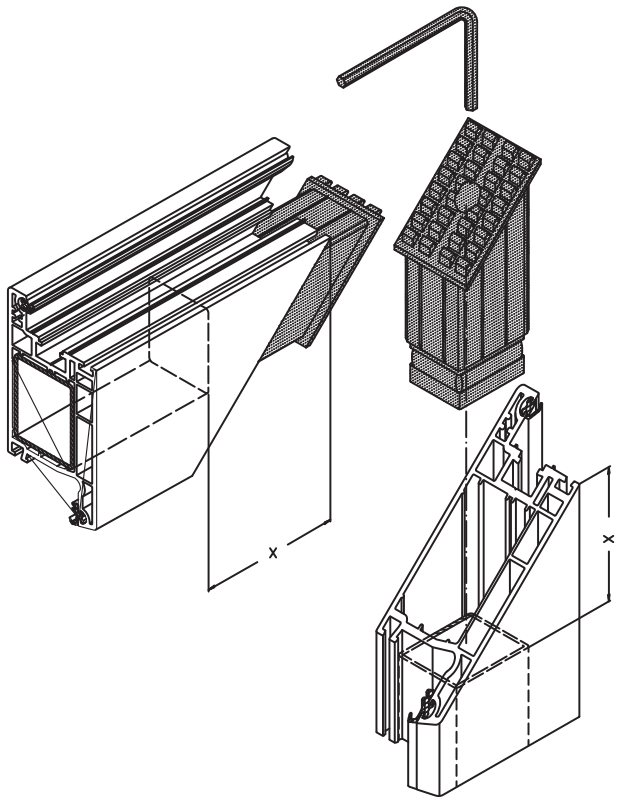
MINIMAL DIMENSIONS

WIDTH - HEIGHT
900 mm - 1850 mm

MAXIMUM DIMENSIONS

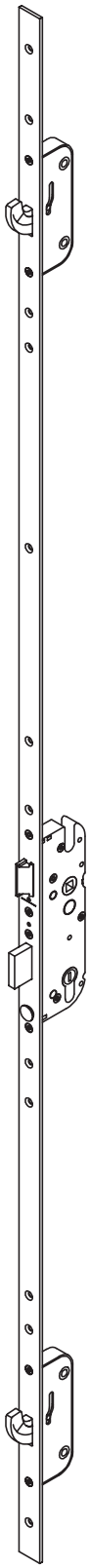
WIDTH - HEIGHT
1250 mm - 2350 mm

DOOR LEAVES CONNECTIONS

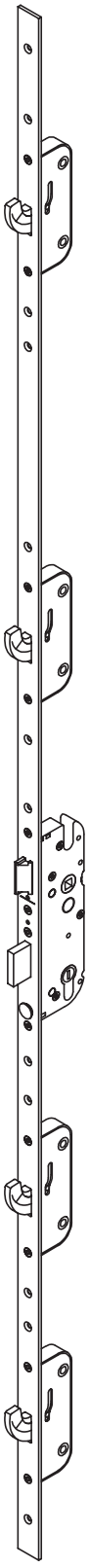


PVC DOORS - STRIP LOCKS

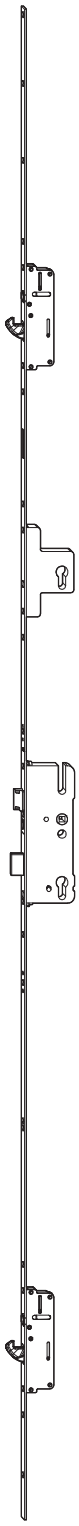
2 hooks (2CH)



4 hooks (4CH)

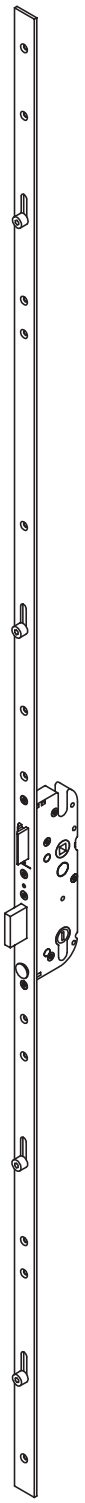


2 hoos + PZ (2CHZS)

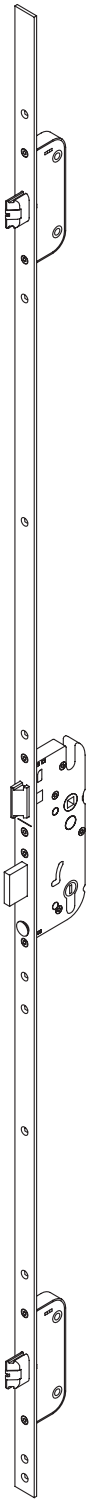


2CH - 3-point locking (1 lock + 2 locking hooks)
4CH - 5-point locking (1 lock + 4 locking hooks)
2CHZS - 3-point locking (1 lock + 2 locking hooks + additional blocking insert)

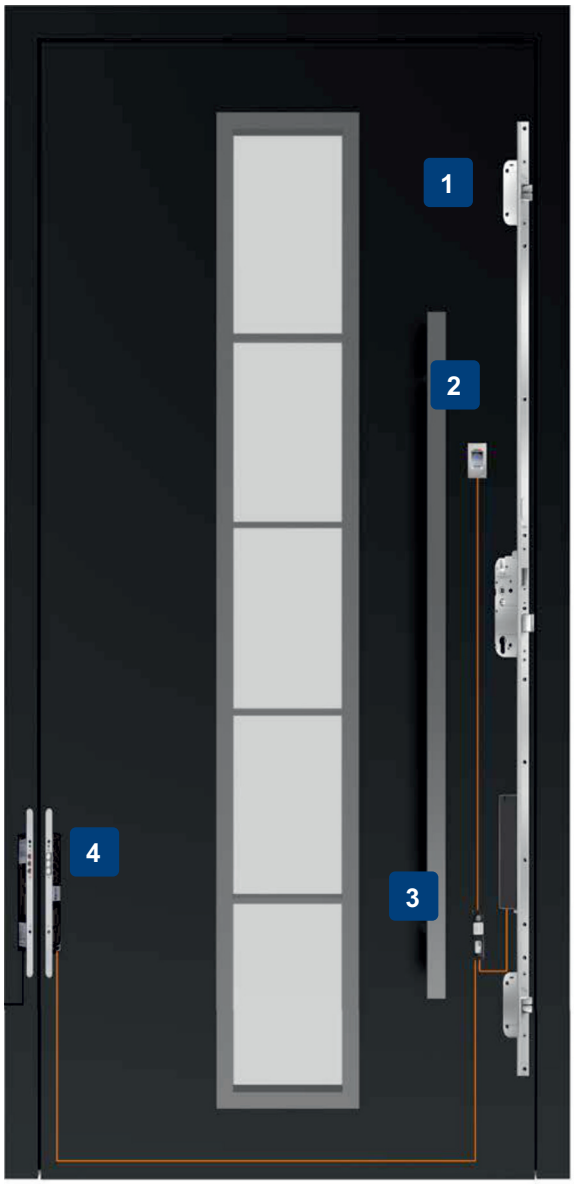
4 rolls



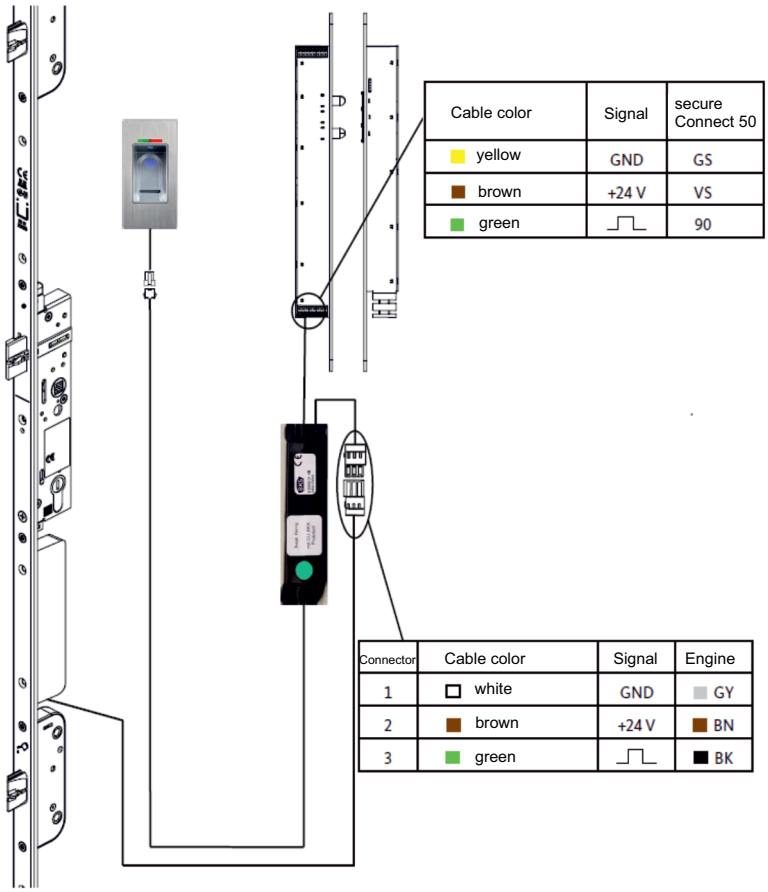
AUTOMATIC



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



1. Multi-point lock GU-SECURY AUTOMATIC
2. Fingerprint scanner or other
3. Blackbox
4. Electronic cable entry SECUREconnect 50



Cable color	Signal	secure Connect 50
yellow	GND	GS
brown	+24 V	VS
green	⎍	90

Connector	Cable color	Signal	Engine
1	white	GND	GY
2	brown	+24 V	BN
3	green	⎍	BK

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





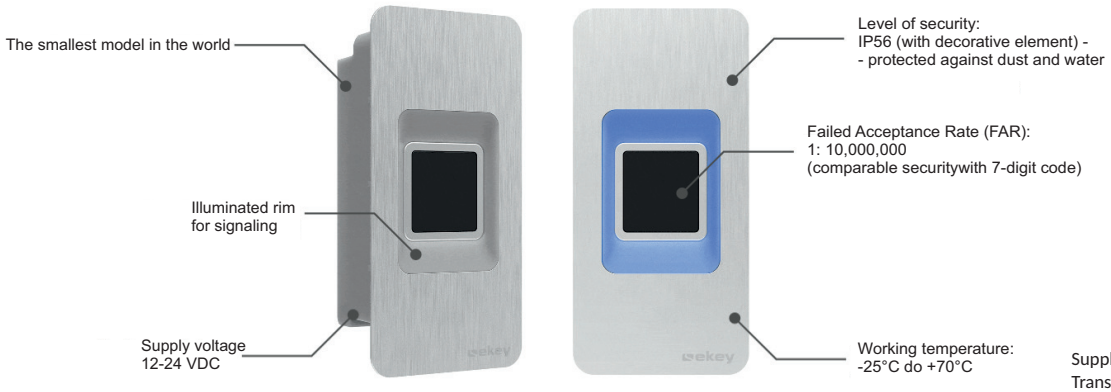
Smart Home

- 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



Supply voltage: 12-24 V DC
Transmitter: 500 mA
Casing: IP54
External dimensions of the frame: 22,5 × 47 × 16

UniLock - multifunctional access control

- Universal solution enabling full access controlat 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	✓	✓	✗	ⓘ	ⓘ
Wall-mounted version	✓	✓	✗	ⓘ	ⓘ
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 ⓘ 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

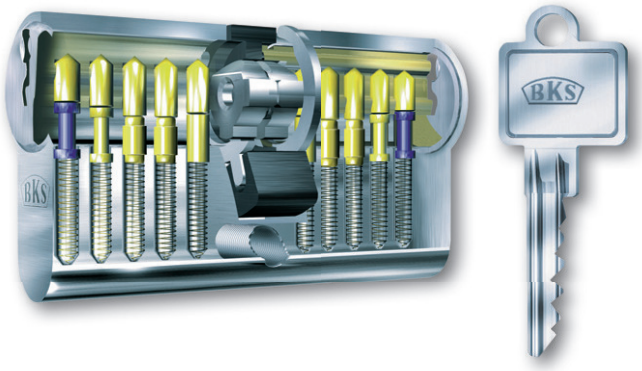
PATENT CYLINDRES

Types of patent cylinders:

Standard

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



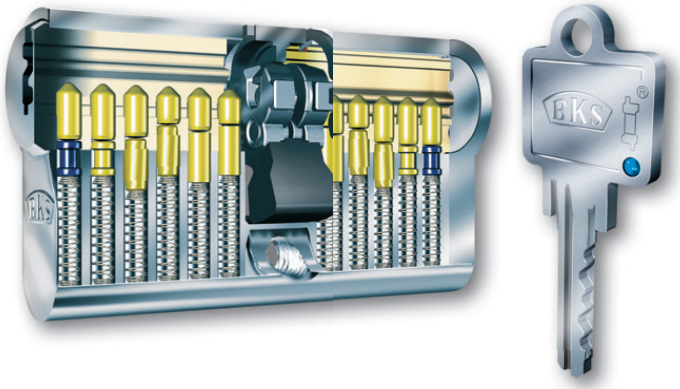


Series 88 - class B

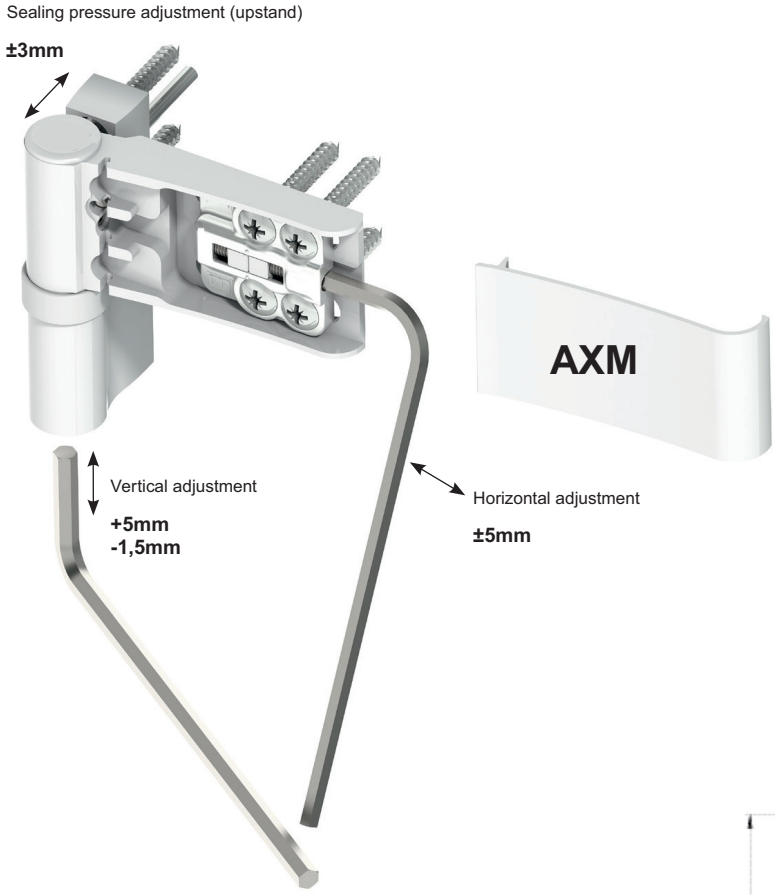
- 5-pin profile cylinder with a paracentric key profile
- three keys in a set
- cylinder body - nickel-plated brass
- possibility of making cylinder with GF emergency function - - it is possible to open/lock the cylinders even when a key is inside
- additional options:
- BSKC - anti-drilling protection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

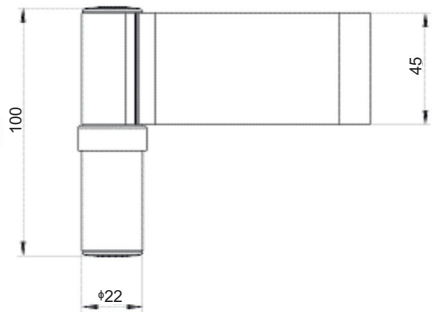
Series 50 - class 6

- 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



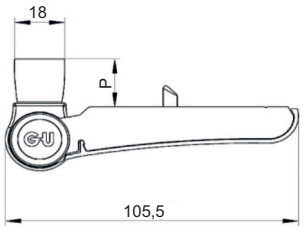
PVC DOORS - AXM HINGES - UP TO 120 KG





COLOURS:

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



P - upstand height

REED SWITCHES MVS

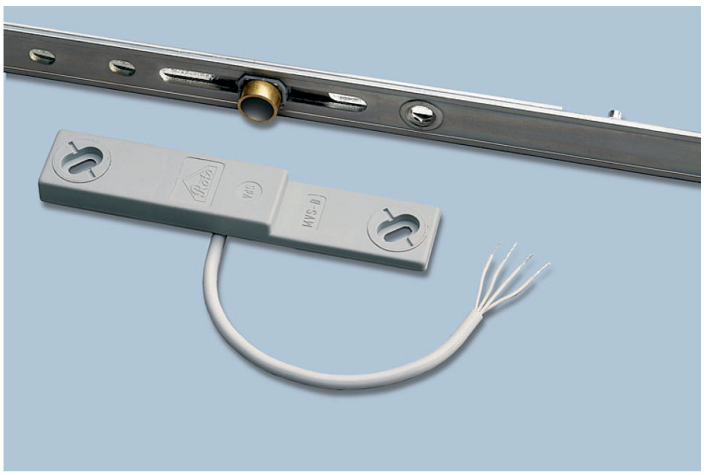
The MVS reed switch is a magnetic system for controlling the closing and opening of the window. When the magnetic field is interruptedin the MVS sensor, the system sends an impulse to the alarm control unit via hidden wiring. Comes to runalarm siren.

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 windownot 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).

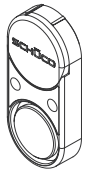
Control of opening and closing - enables mixed information - the window is closed or open, and with tilt there is information that the window is not closed, but also not open, but just tilted, which does not, for example, trigger an alarm.

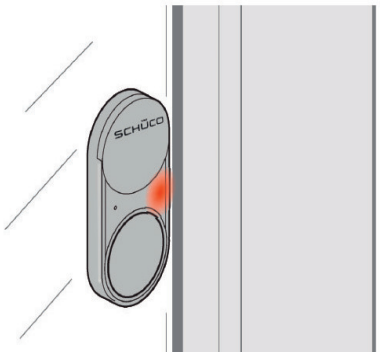
Roto MVS window sensors are available in the following variants:
- class B - medium level protection and counteracts burglary attempts when armed and unarmed.
The sensors have an average sensitivity to stimuli.
- class C - protection at a higher level and counteracts burglary attempts when armed and 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 m^2 (in the case of surfaces above 2 m^2, 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





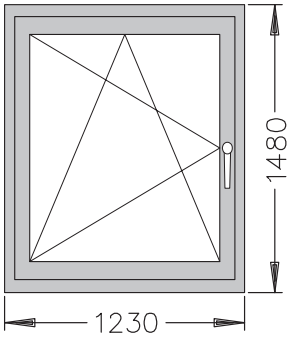
Properties:
- use with the Schüco handle
- easy assembly and adjustment, self-adhesive magnet in the rebate of the door frame
- battery operated, with optical and acoustic battery charge status indication
- alarm sound > 100 dB
- three color versions
- the scope of delivery includes the instruction and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

Available colours

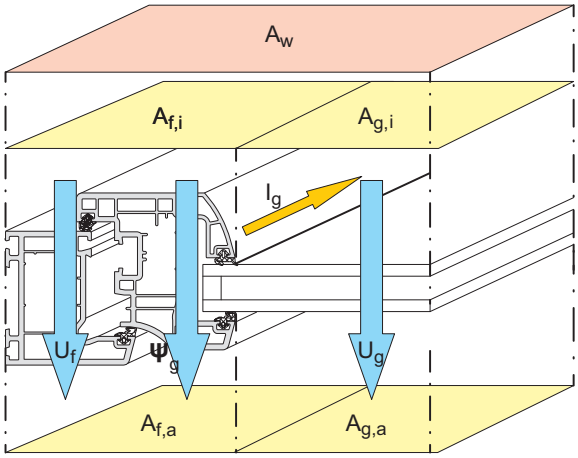
Article no	Color
25840000	White
25840100	Black
25840200	F9 (Edelstahllook)

THERMAL INSULATION

Uw COEFFICIENT IN SCHUCO SYSTEMS

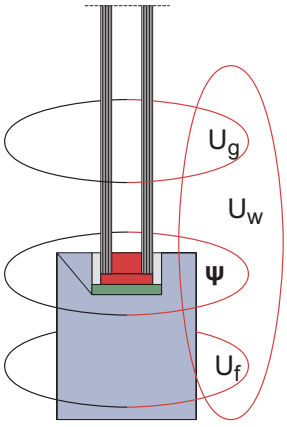


TESTED WINDOW



Uw value calculation method

$$U_w = \frac{A_g U_g + A_f U_f + I_g \Psi_g}{A_g + A_f}$$



Thermal insulation coefficient:

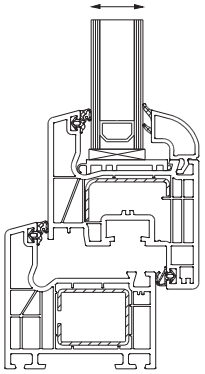
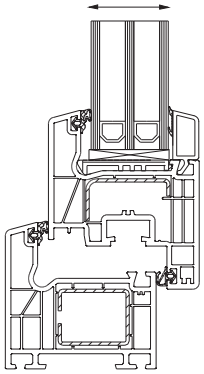
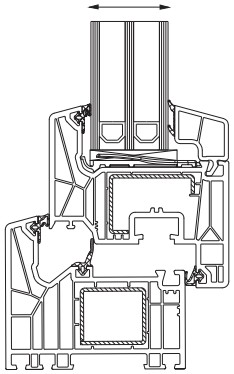
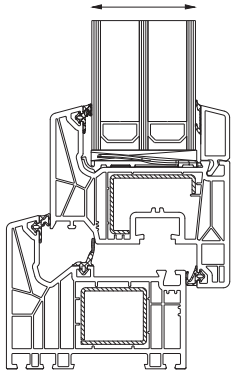
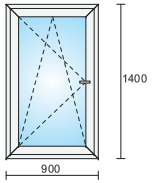
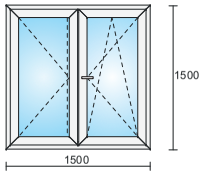
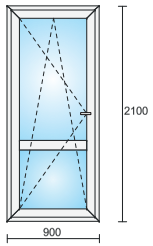
U_w =	Window	[W/(m^2 · K)]
U_g =	Glass	[W/(m^2 · K)]
U_f =	Profile	[W/(m^2 · K)]

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

LASTRIK
FABRYKA OKIEN I DRZWI
Z PCV I ALUMINIUM

EXEMPLARY VALUE FOR COEFFICIENT Uw FOR OUR WINDOWS

WITH US
SAVE MORE !!!

	U = 1,1 24 mm	U = 0,7 36 mm	U = 0,7 36 mm	U = 0,5 48 mm
				
	CT 70 CLASSIC	**CT 70 CLASSIC**	**LIVING MD**	**LIVING MD**
	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 = 1,36	U = 1,11	U = 0,98	U = 0,83

PARAMETERS OF GLASS

U - VALUE FOR WINDOW

DECORATIVE FOILS

SINGLE COLOUR - WOOD EFFECT



















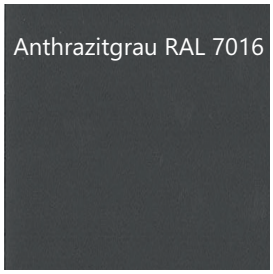
SINGLE COLOUR - SMOOTH













DECORATIVE FOILS

WOOD-EFFECT



















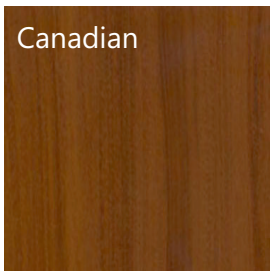












METALIC COLOUR





DECORATIVE FOILS

SELECTED by Schüco

Metallic colours



Mattex DB 703
(470 1014)



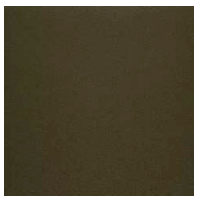
Mattex Shine dark graphite
(470 1033)



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 availableon order under catalog numbers:

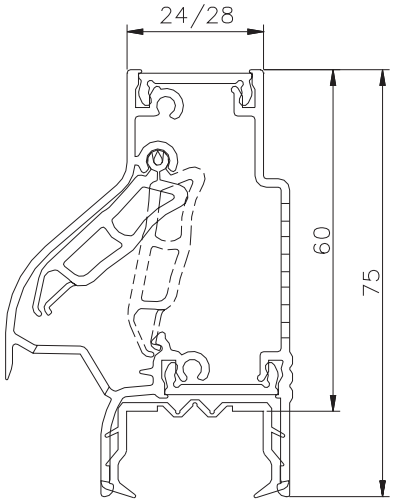
29586700 - samples STANDARD
29586800 - samples TOP 30
20350300 - samples Special Edition

TC60

Aluminium window flap ventilator

Airflow 141 m³/h at 10 Pa
Water and wind tightness up to 650 Pa in closed position (K100)





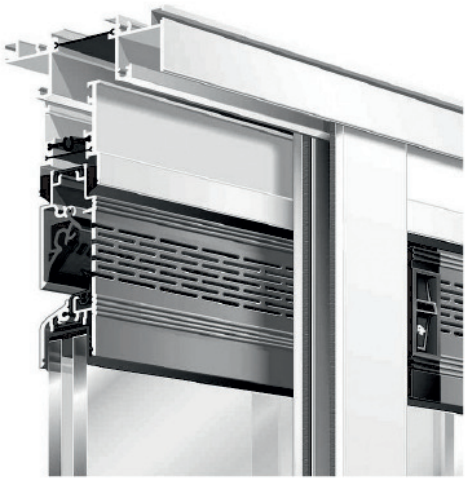
- total height - 75 mm
- assembly height - 60 mm
- on glazing unit - 24, 28 mm

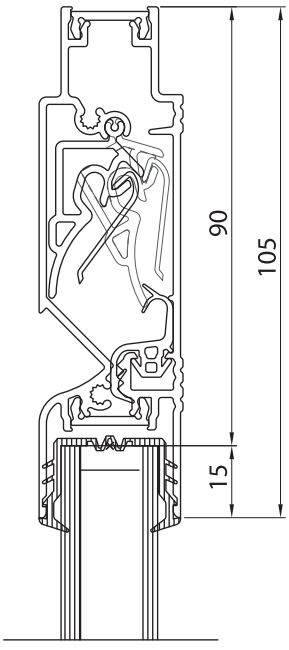
THM90

Aluminium compact window flap ventilator with a wind blocking casing.
Flat, aimed for bi-folding and sliding doors.

Airflow	m³/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 mm²
The area of a ventilation gap	15.000 mm²
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

VARIAVENT

Aluminium window flap ventilator

The Variavent is a self-regulating window vent with a modern design – the successor to the well-known Ar75 model. Two different internal profiles are available: i-Flux® and Flat. The i-Flux® model features an advanced airflow regulation system that ensures maximum efficiency and energy efficiency. Ideal for rooms requiring precise ventilation. The Flat version has a flat profile, designed for interiors where discretion and a minimalist look are key.



VARIAVENT FLAT



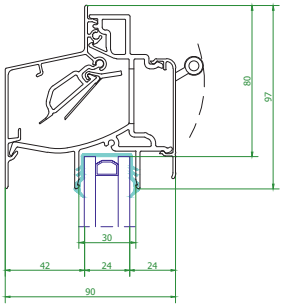
VARIAVENT i-FLUX

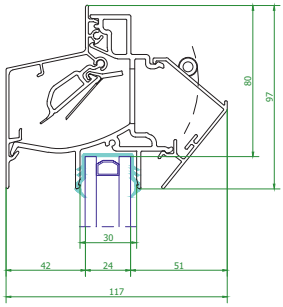
Specifications:
- 5-step adjustment
- U-value - 2,8 W/m²K
- reduction of glass height: 80 mm
- total height: 97 mm,
- maximum length: 3000 mm,
- thickness of glass packets: 24/28/32/36/40/44 mm,
- side tips: black (RAL9011), white (RAL9016),
- surface finish: F1 anodizing silver, all RAL colors.

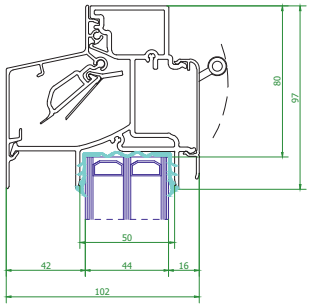
- Water tightness up to 650 Pa (in the closed position)
- Water tightness up to 50 Pa (in the closed position)
- Sound insulation Dn,e,w (C;Ctr):
  - in the open position: 25 (-1,-1) dB
  - in the closed position: 40 (-1,-1) dB

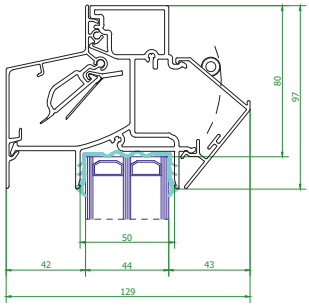
Air flow (at 2Pa):

SMALL - 14,2 l/s/m
MEDIUM - 21,4 l/s/m
LARGE - 25,6 l/s/m
XLARGE - 28,5 l/s/m









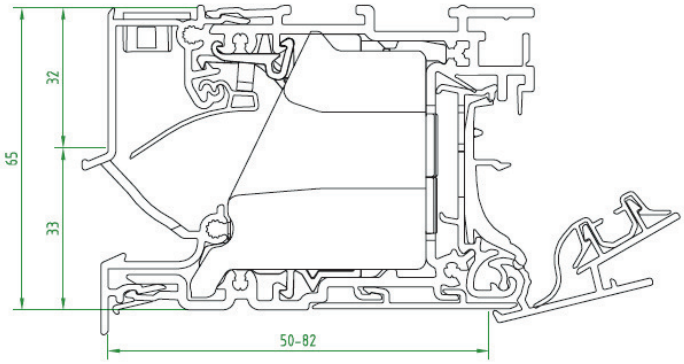
INVISIVENT AIR LIGHT

Aluminium - overframe flap ventilator

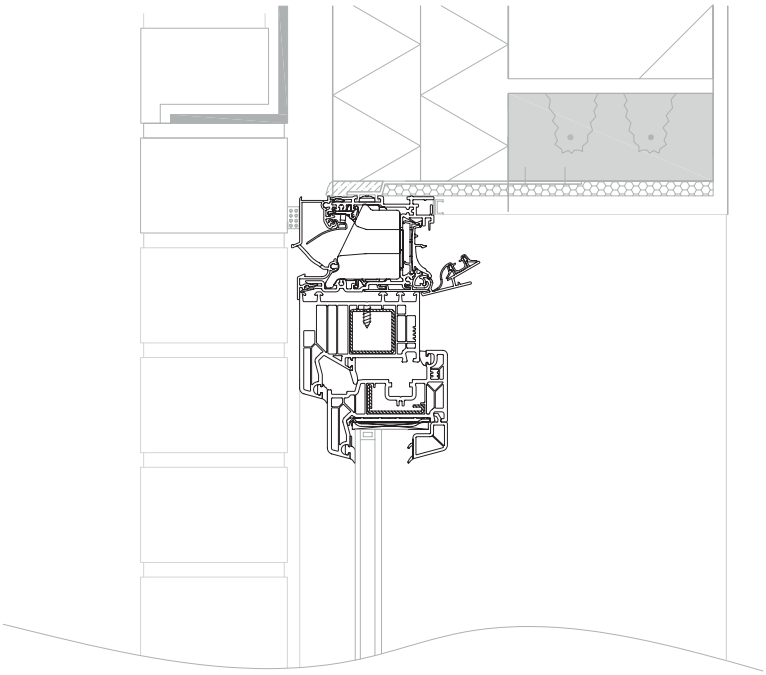
Modern, energy-efficient aluminum diffuser. It provides high acoustic attenuation thanks to the insulating material used. It is mounted on the window frame, on customer's request it can be made as two-color.



- **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)**

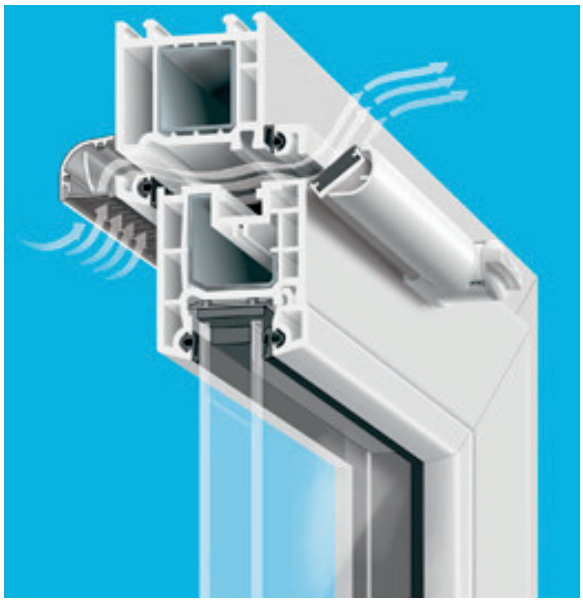
VENTAIR II TRDn

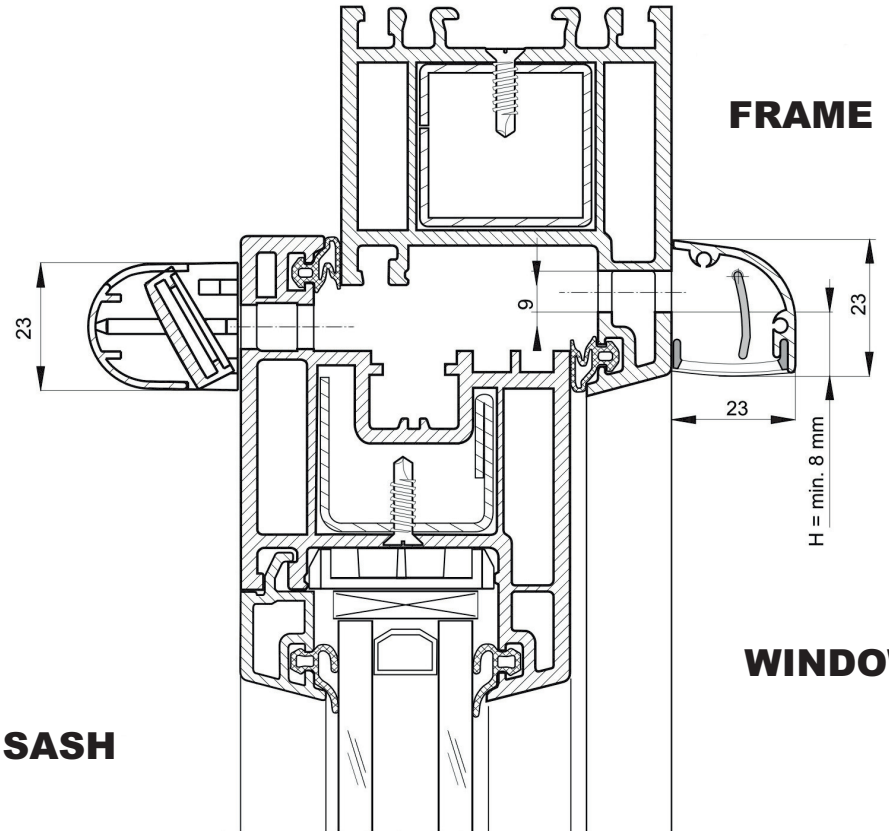
Aluminium - pressure window flap ventilator assembled in window rebate
Manual handling

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

Outside dimensions:

	Lenght	Height
Air intake	346	24
Regulator	395	23





FRAME

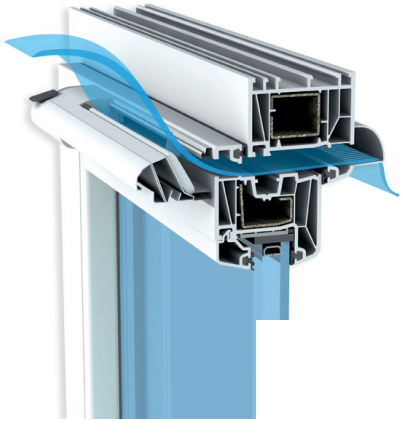
WINDOW FLAP ASSEMBLY

SASH

EMM

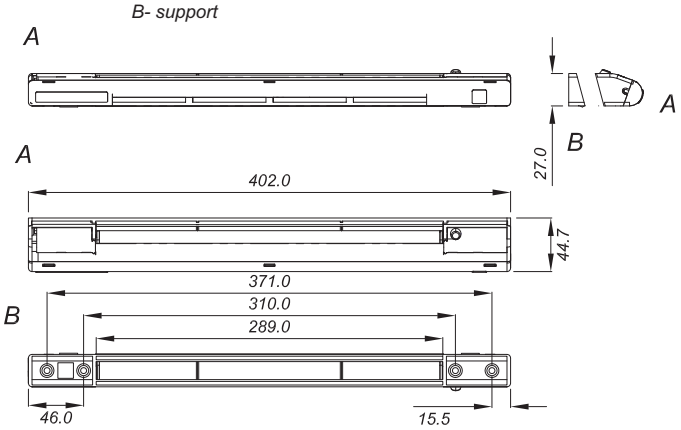
Humidity sensitive air ventilator

The vetilator operate 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 vair inlet opens and by a value of 70% or more achieves maximum efficiency.

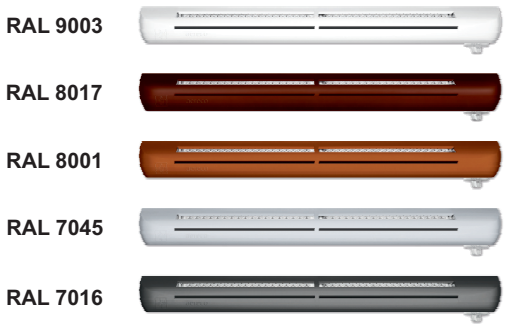


- **Air flow (min-max) at 10 Pa 6-30m^3/h**
- **Acoustic damping with full opening of the air inlet with standard hood - 32 dB(A)**
- **Acoustic damping with full opening of the ait inlet with an acoustic hood - 38 dB(A)**

Humidity sensitive air ventilator EMM
A- ventilator
B- support



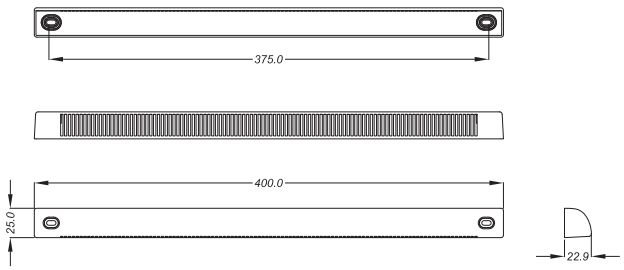
Color options:



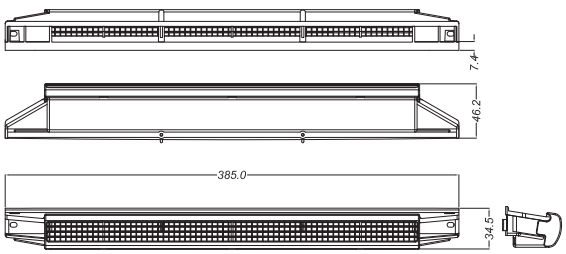
- **Three versions to choose from:**

1. **with standard hood AB,**
2. **with acoustic hood AD,**
3. **with flat hood for roller shutter - AR.**

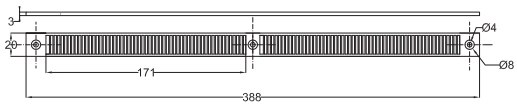
Standard hood



Acoustic hood

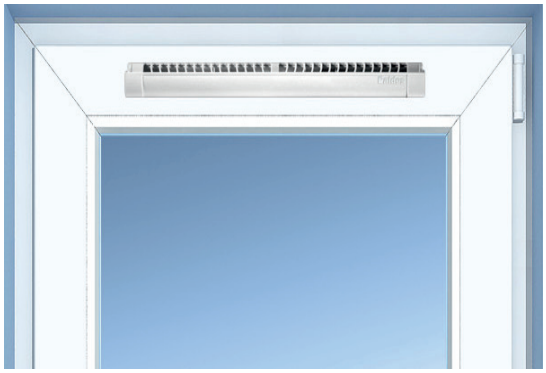


Flat hood for roller shutter



2MO

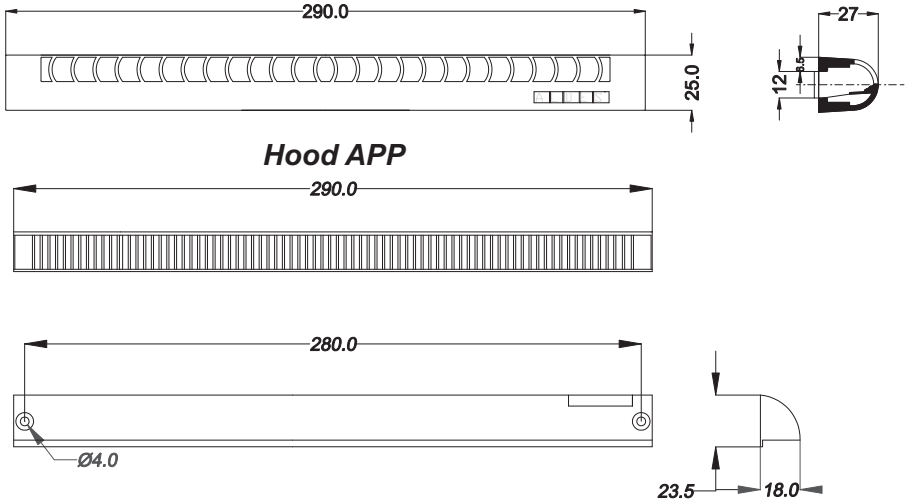
Pressure window ventilator



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 growththe 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 4-20m /h** ^{3}
- **Acoustic damping Dn,e,w when the ventilator is fully open - 33 dB(A)**

Pressure ventilator 2MO (mini EMMA)



Color options:

RAL 9003 

RAL 8001 

RAL 8017 

RAL 7016 

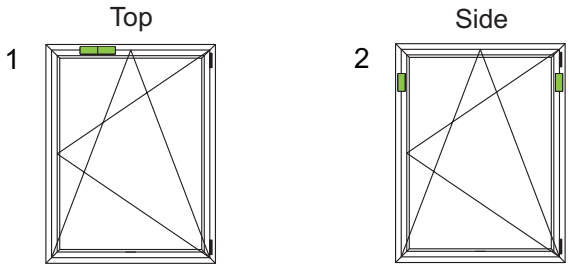


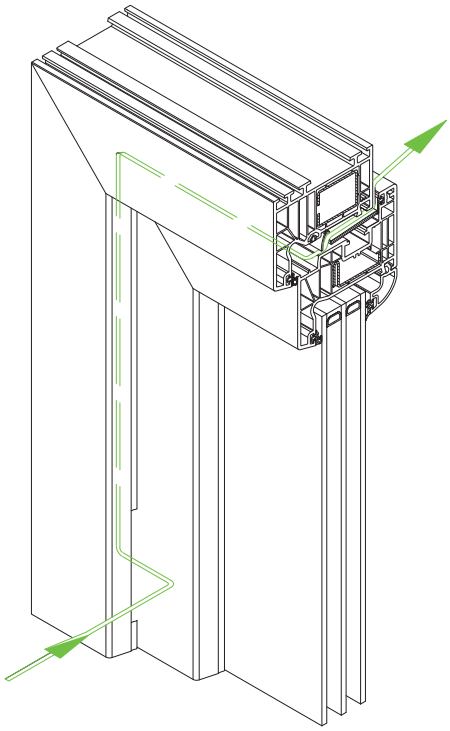
VENTO RF

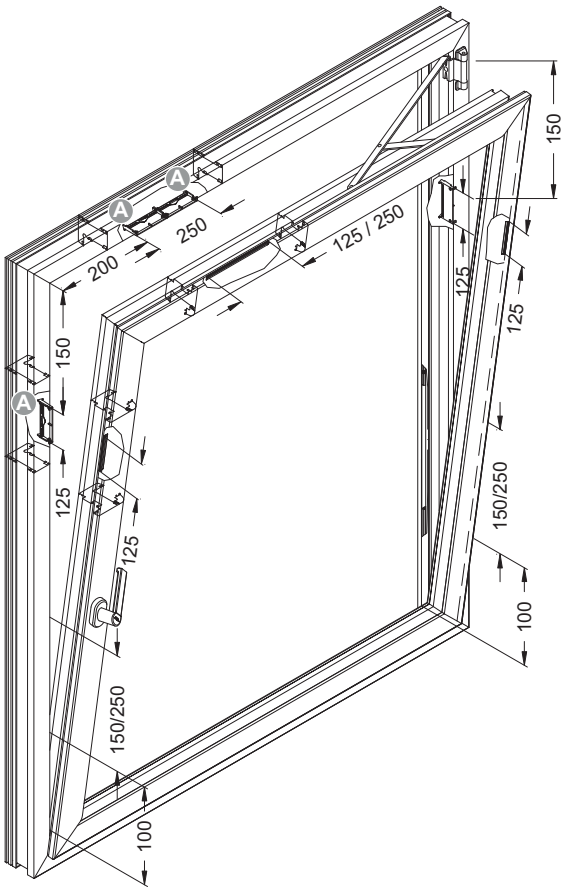
The Schüco Vento is a self-adjusting plastic window rebate with automatic flow rate limitation. Provides controlled air exchange and moisture removal without signs of drafts.

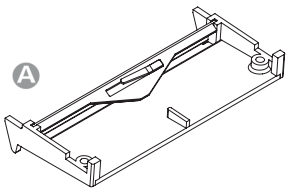
Air flow at Δ 8 Pa 4,4 m^3/h (for VENTO - Living MD)
Air flow at Δ 8 Pa 6,0 m^3/h (for VENTO - CT70)

Mounting variants:









HANDLES & GRIPS







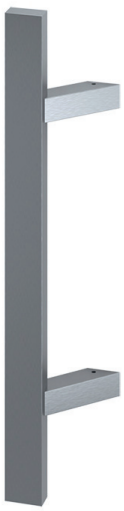




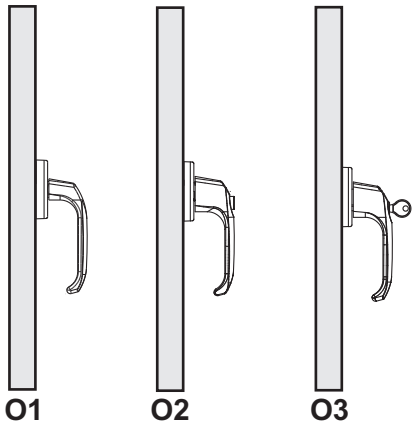






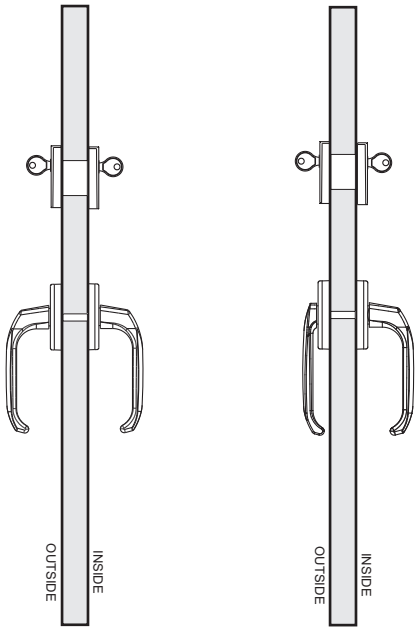


WINDOWS & BALCONS HANDLES



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

BALCONY DOORS DOUBLE-SIDED HANDLES



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

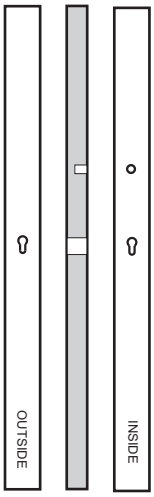
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4



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

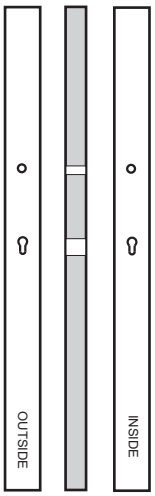
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4

DOORS HANDLES & GRIPS



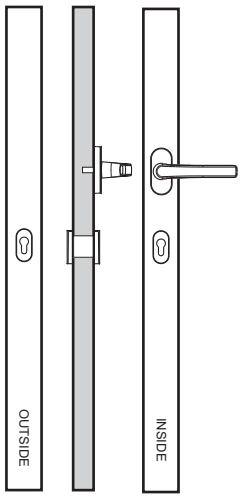
D1

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

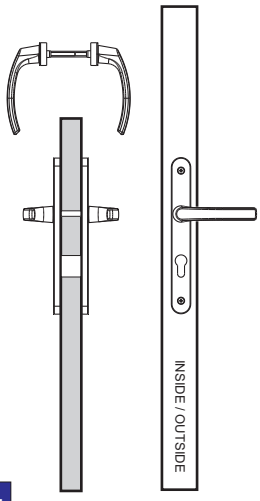
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



TYPE R32/1200
PARTIAL HANDLE

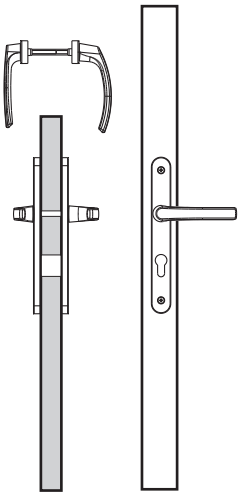
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F4, F9
STAINLESS STEEL

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

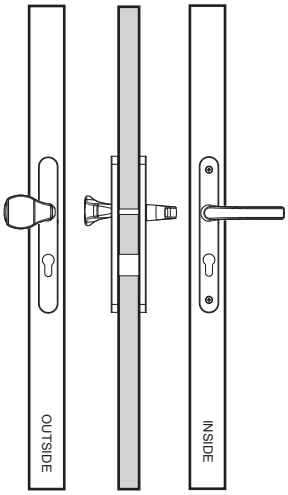
ALUMINIUM - LAQUERED: WHITE RAL 9016, BROWN RAL 8019
ALUMINIUM - ANODISED: F1, F2, F3, F4, F9
STAINLESS STEEL



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



TYPE
35/1200 P



TYPE
35/1200 V



TYPE
35/1200 L

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



TYPE
35A/1200 P



TYPE
35A/1200 V

ANTI-BURGLAR WITH PROTECTION OF YALE LOCK TYPE INSERT

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

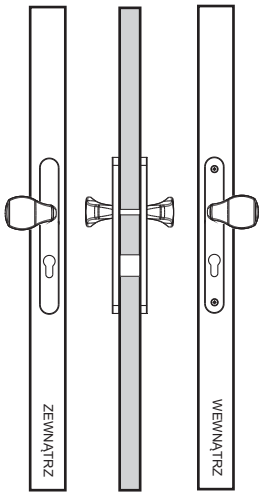


TYPE
35A/1200 G KZ



TYPE
35A/1200 P KZ

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

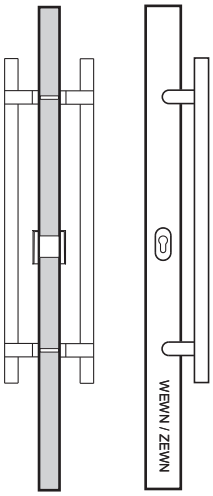


TYP 35 V



TYP 35 L

DOORS HANDLES & GRIPS



D8

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



PIPE-GRIP - TYPE SS
DIMETER 32 mm
STAINLESS STEEL- type 1.4301 (304)
INSTALATION 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

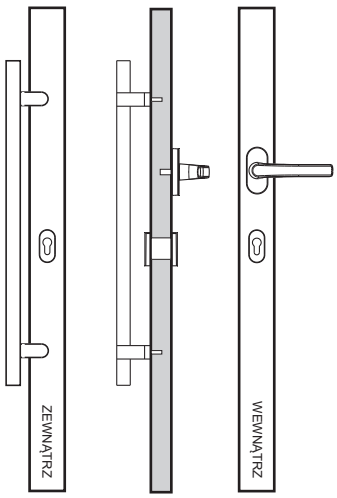
On request it is possible to use the doors handles of acid-proof steel AISI 316.



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

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

X - PLACEMENT OF FIXING POINTS
L- TOTAL LENGHT



D9

INSIDE: PARTIAL HANDLE
OUTSIDE: PIPE-GRIP
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



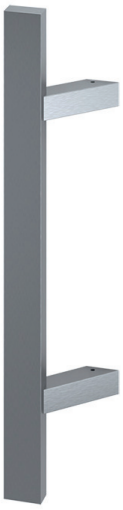
TYPE 33KZ-2
YALE LOCK TYPE INSERTS' SHIELD - ANTI-BURGLAR

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



RECTANGLE GRIP - TYPE PR
DIMENSIONS 40/20 mm
STAINLESS STEEL - type 1.4301 (304)
INSTALATION 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

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 discolorationon 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 aestheticappearance and guarantees long-term use!

TERMS OF WARRANTY:

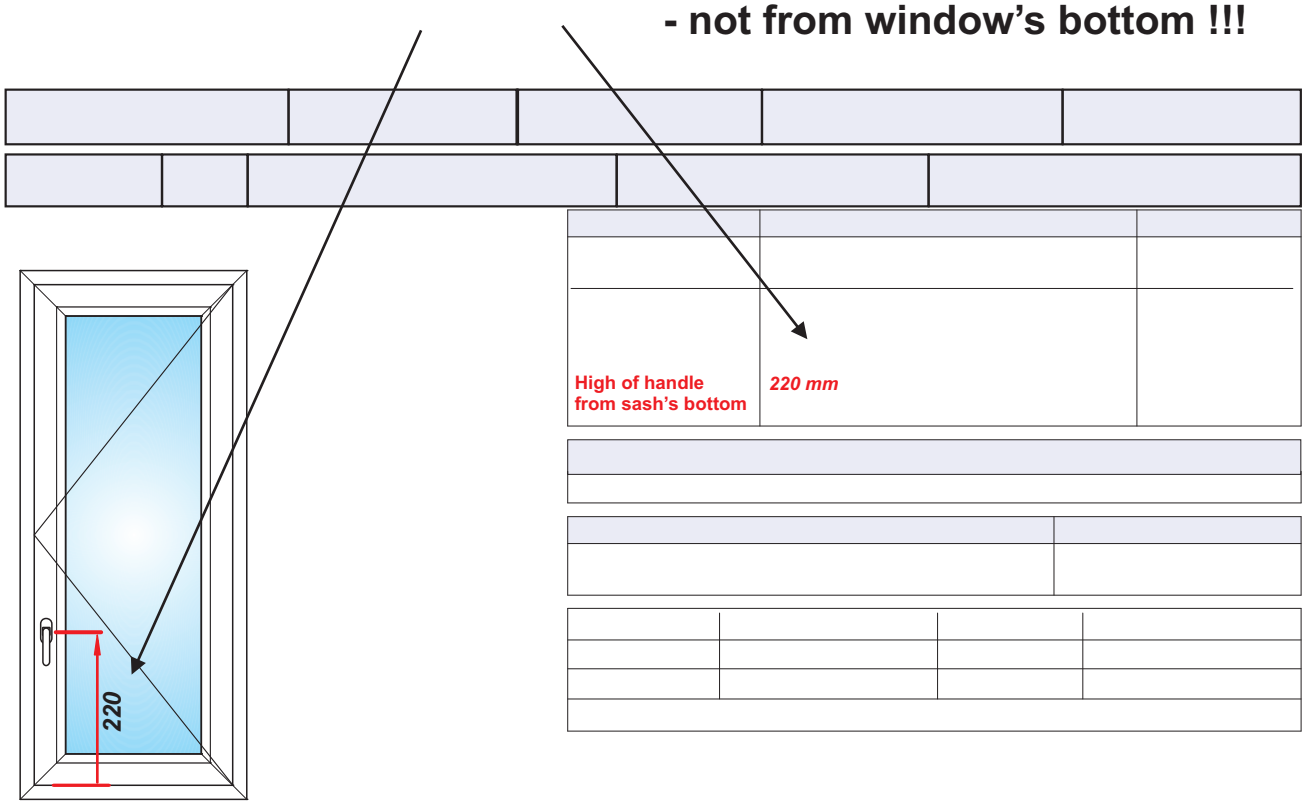
Lastrik company gives a 12-month warranty on stainless steel products, provided it complies with recommendations for the installation and operation of the product and compliance with the maintenance rules described in the instructions.
The warranty does not cover mechanical damages, natural wear and use of the product not in accordance with its intended use.

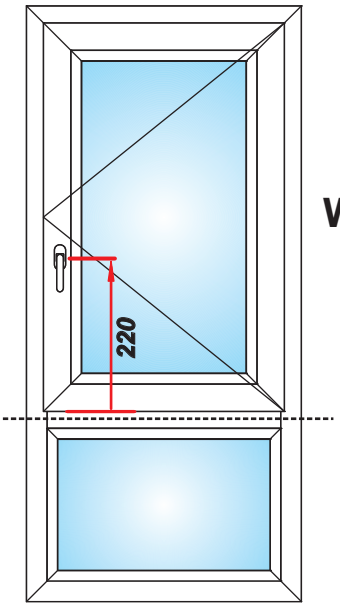
WINDOW HANDLE - DOWN

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

ATTENTION !

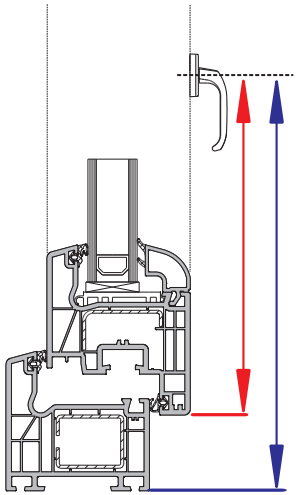
In WinPro drawings the handle is measured from the sash's bottom
- not from window's bottom !!!

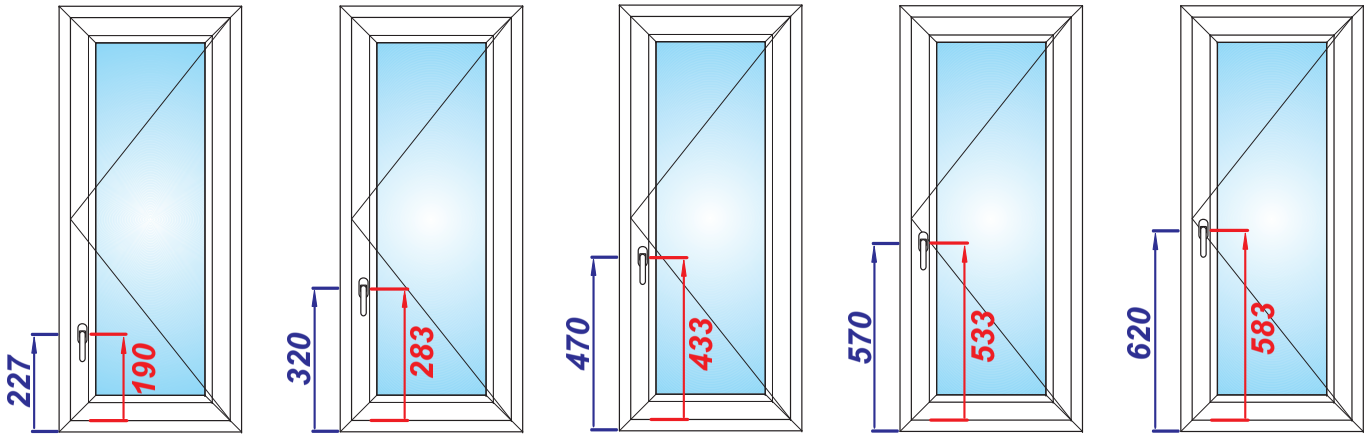




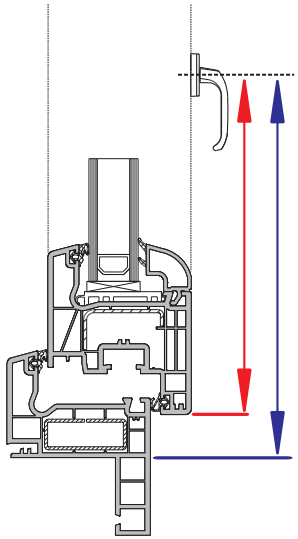
Window with horizontal bar
- **height of handle measured from the sash's bottom**
- **not from window's bottom !!!**
- **not from the top of bar's axle !!!**

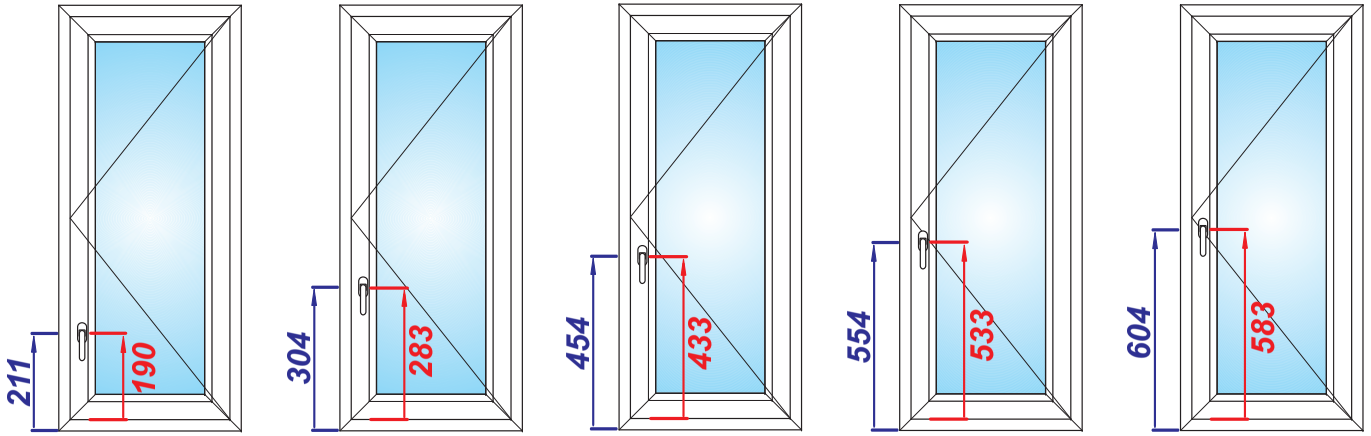
EXEMPLARY HEIGHTS OF DOWN HANDLES FOR STANDARD FRAME 8865 (CT70) 9411 (LIVING)





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



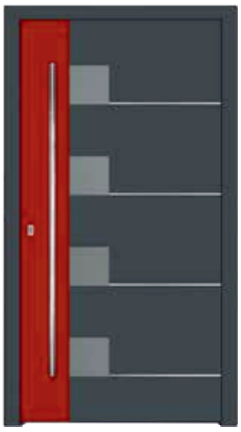
SP-426F



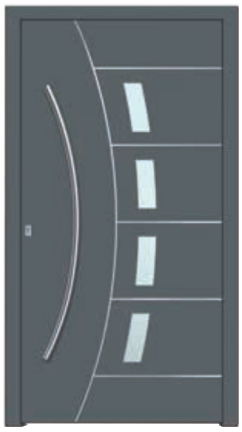
SP-430F/1



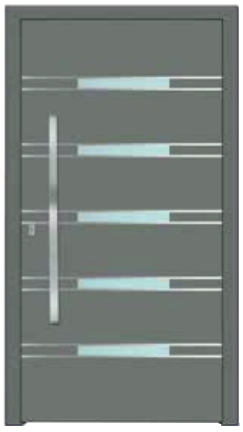
SP-440F



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

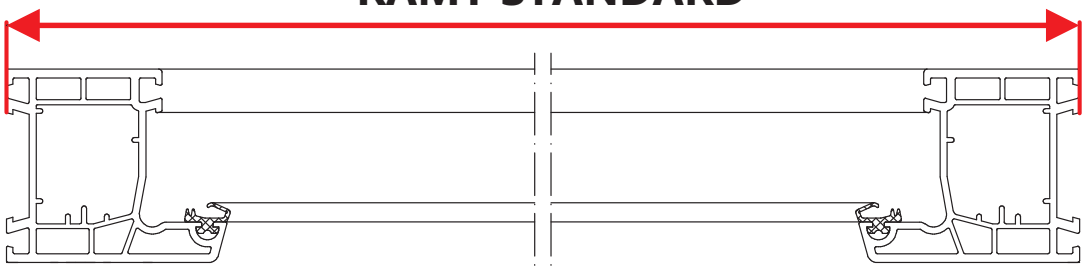


SK-14

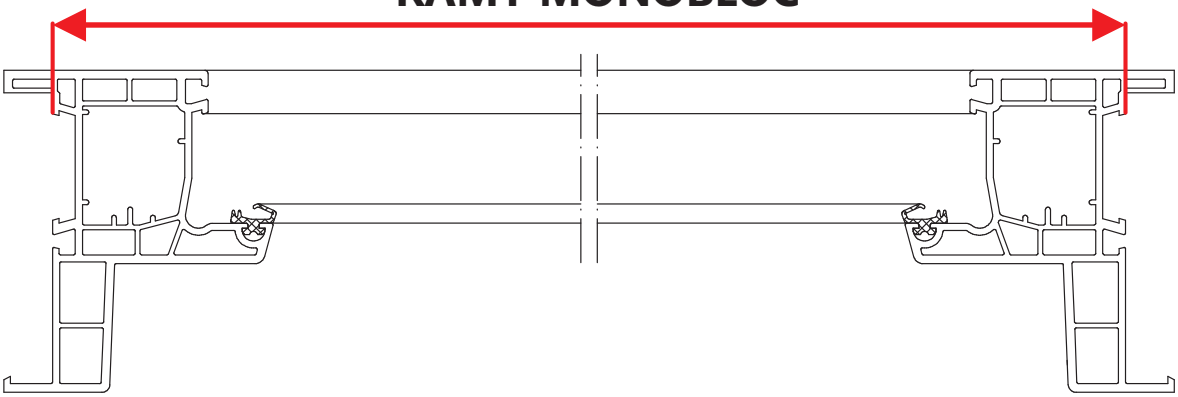
Colors, glass patterns, pulls in the pictures are just a suggestion.
When placing orders, please provide all details.

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

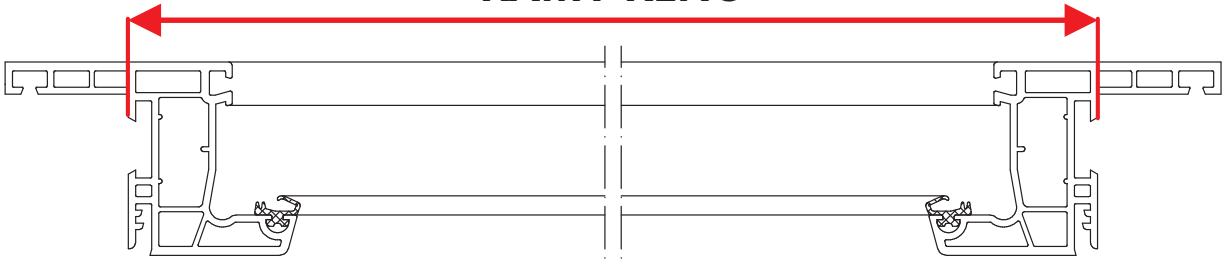
RAMY STANDARD



RAMY MONOBLOC



RAMY RENO

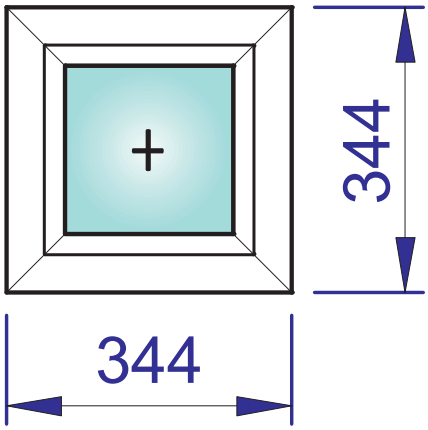


MAXIMUM AREAS AND DIMENSIONS FOR WINDOWS AND PSK

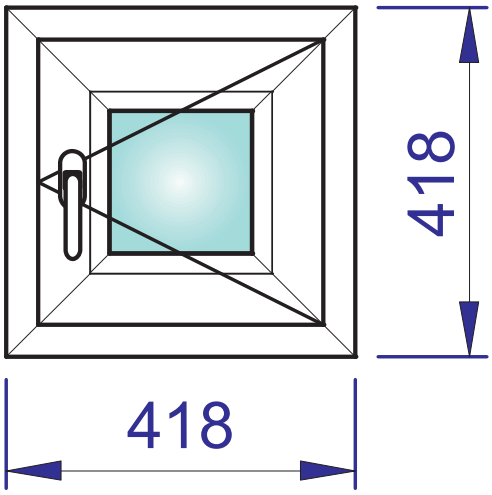
Maximale Flächen und Stablängen je Elementtyp Maximum areas and bar lengths for each unit type					
		1-teilig 1-part	2-teilig 2-part	3- und mehrteilig 3-part and multi-part	PSK
Maximale Fläche des Elements Maximum area of the unit	weiß White	7,0 m²			
	foliert Foiled	5,0 m²			6,0 m²
Maximale Stablänge 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-Profl* Maximum bar length of T-profle	weiß White	4,0 m			
	foliert Foiled	2,5 m			
					

* T-Profl als Pfosten oder Riegel einsetzbar
* T-profle can be used as mullion or transom

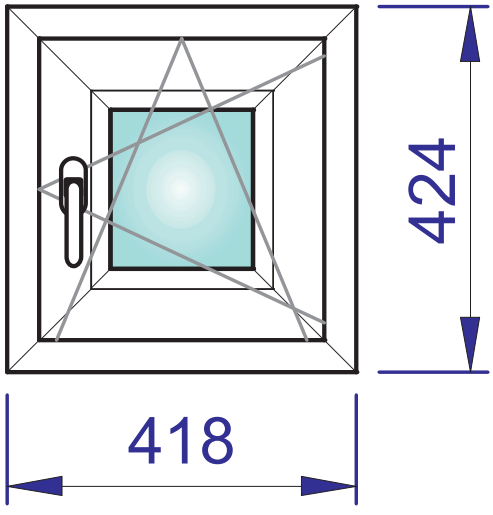
MINIMAL DIMENSIONS OF WINDOWS



FIX



R



RU

SPACERS FOR INSULAING GLASS

PCV Chromatech Ultra



Black, similar to RAL 9004

Grey, similar to RAL 7035

Grey, similar to RAL 7040

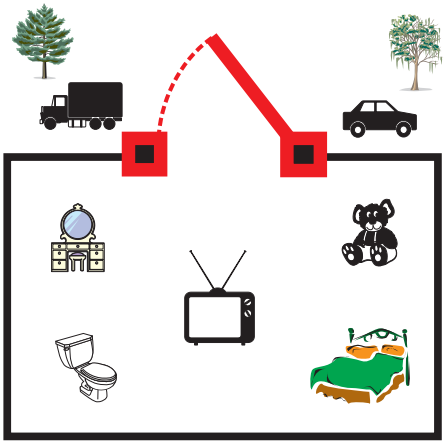
Brown, similar to RAL 8003

Brown, similar to RAL 8016

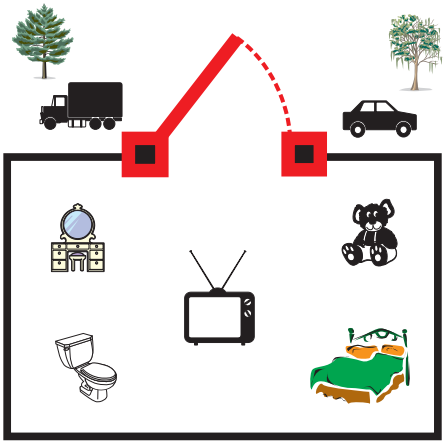
DOOR OPENING GUIDE

PLEASE USE IT WHEN ORDERING LASTRIK

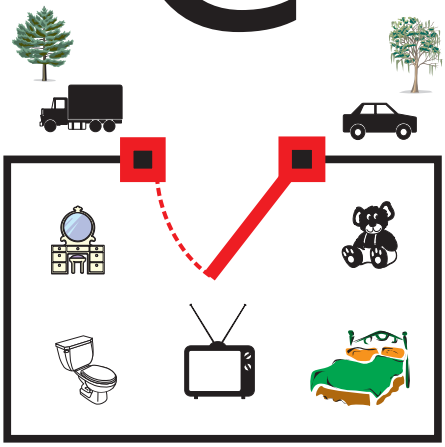
A



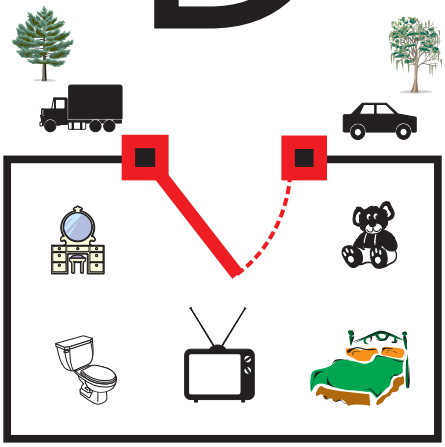
B



C



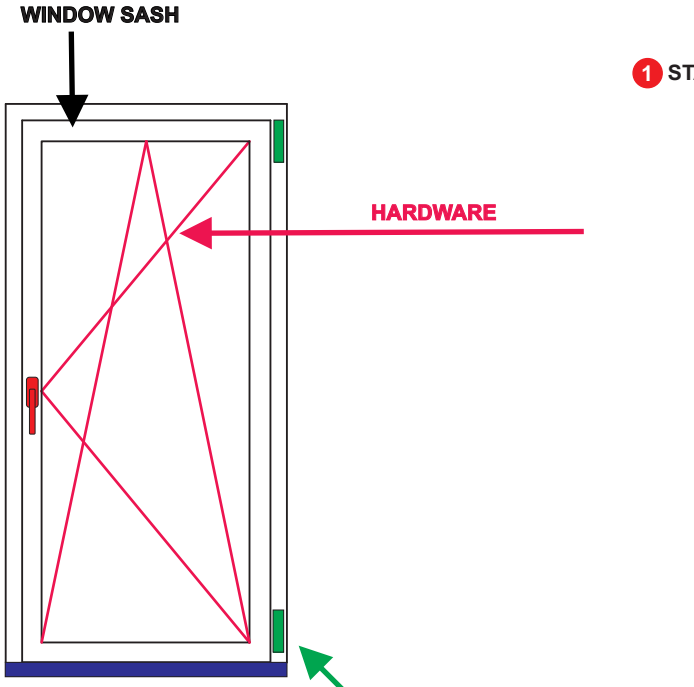
D

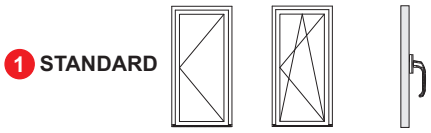


A - OUTWARD - GOING DOORS WITH HINGES LEFT SIDE
B - OUTWARD - GOING DOORS WITH HINGES RIGHT SIDE
C - INWARD - GOING DOORS WITH HINGES RIGHT SIDE
D - INWARD - GOING DOORS WITH HINGES LEFT SIDE

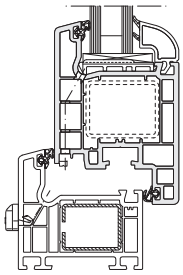
BALCONY DOOR - INWARD GOING

PLEASE USE IT WHEN ORDERING

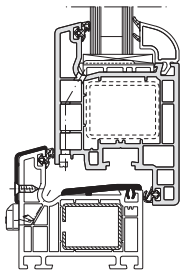




VERSION OF THRESHOLD EXECUTION

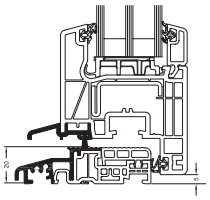


1 STANDARD
UPVC FRAME - AS SAME AS WINDOW



2 UPVC FRAME
+ PROTECTIVE ALU PROFILE

AVAILABILITY: SCHUCO Ct70



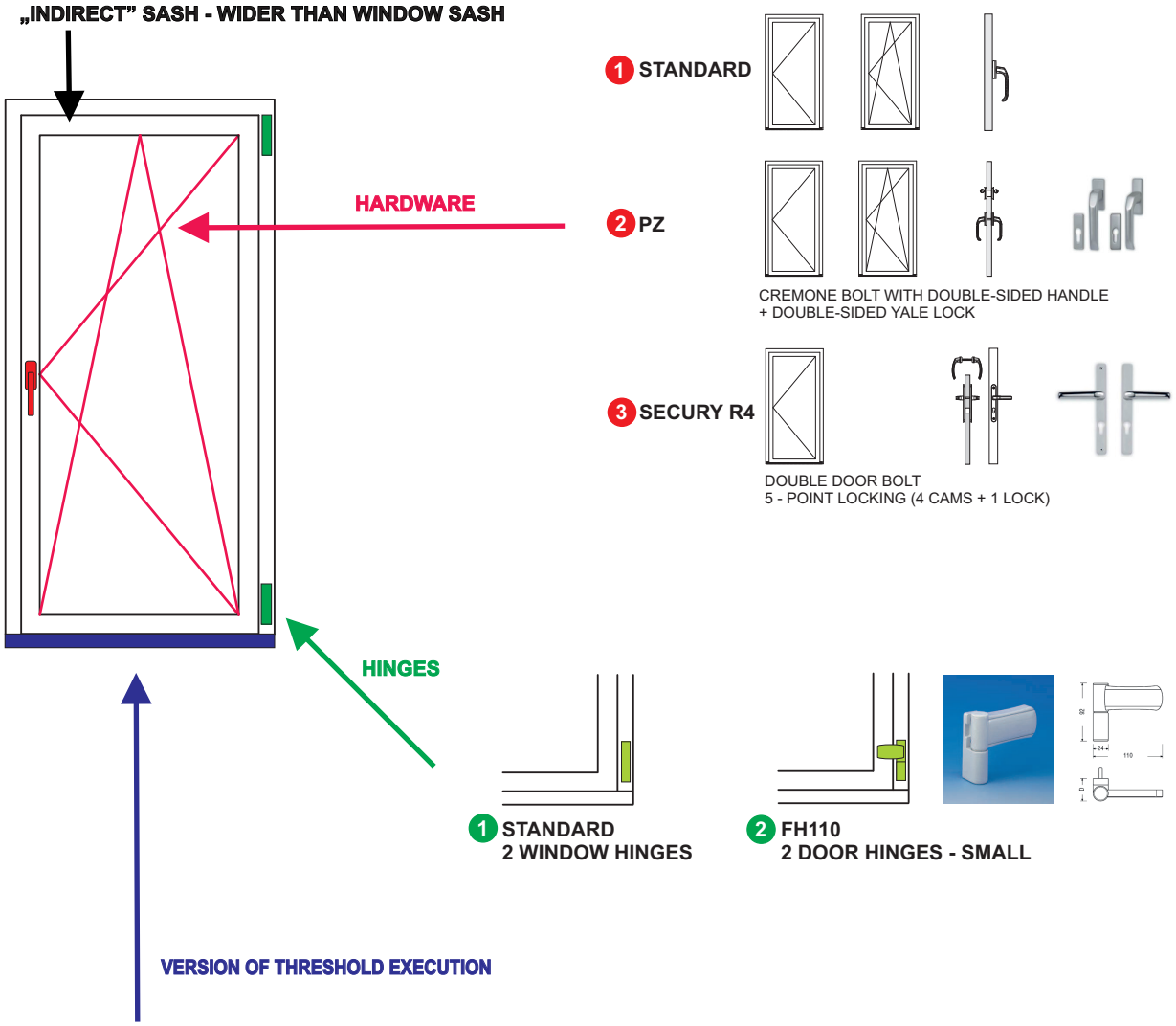
3 LOW ALU/PVC THRESHOLD (2cm)
HARDWARE CATCH CAN BE MOUNTED

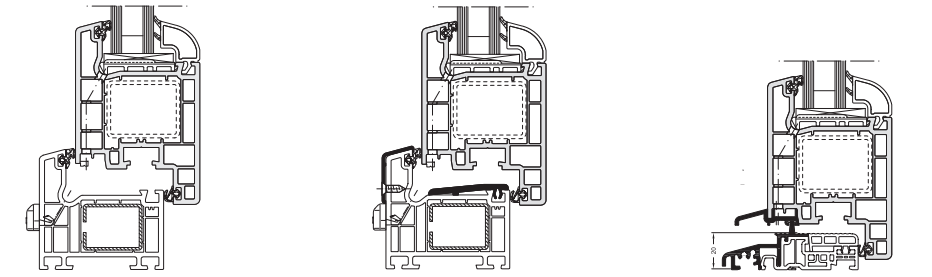
AVAILABILITY: SCHUCO CT70, Si82

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 - INWARD GOING

PLEASE USE IT WHEN ORDERING





1 STANDARD
UPVC FRAME - AS SAME AS WINDOW

2 UPVC FRAME
+ PROTECTIVE ALU PROFILE

AVAILABILITY: SCHUCO CT70

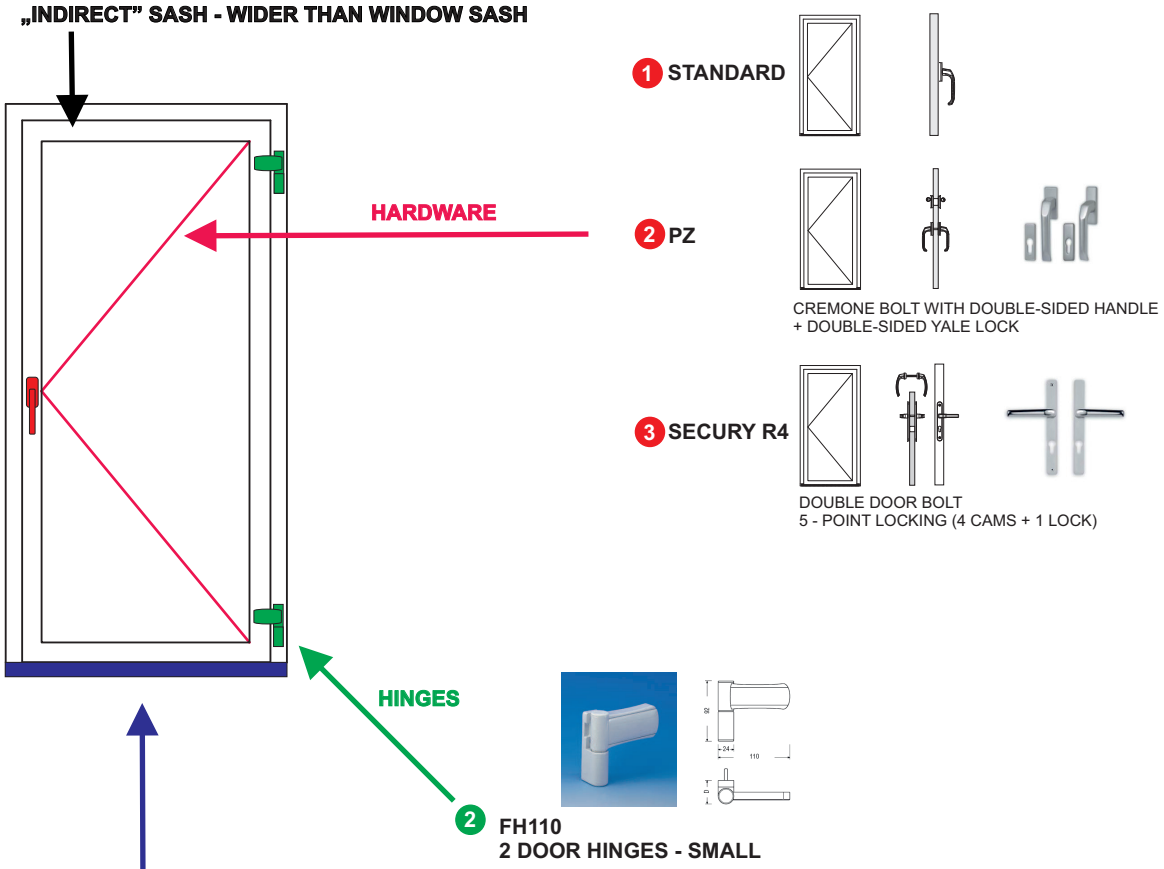
3 LOW ALU/PVC THRESHOLD (2cm)
HARDWARE CATCH CAN BE MOUNTED

AVAILABILITY: SCHUCO CT70, SI82

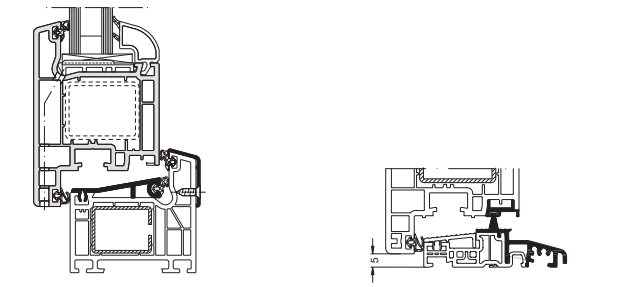
CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

TERRACE DOOR - OUTWARD GOING

PLEASE USE IT WHEN ORDERING



VERSION OF THRESHOLD EXECUTION



1 UPVC FRAME
+ PROTECTIVE ALU PROFILE

AVAILABILITY: SCHUCO Ct70

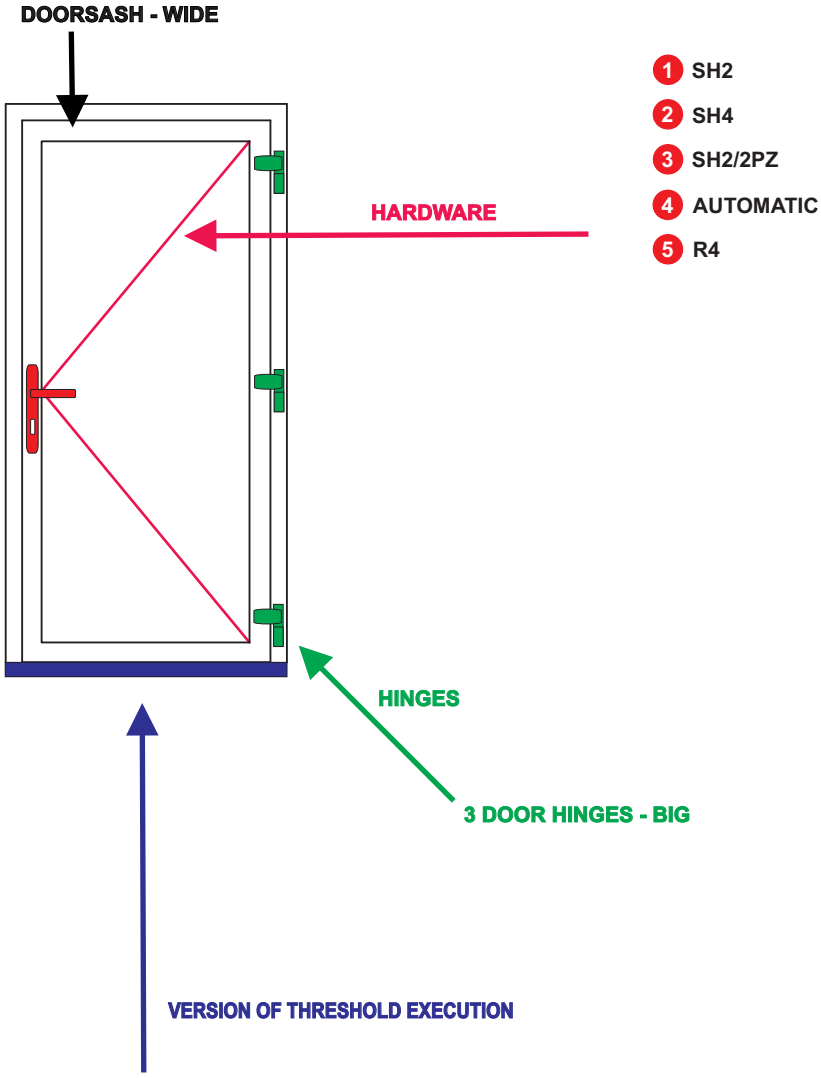
2 LOW ALU/PVC THRESHOLD (2cm)
HARDWARE CATCH CAN BE MOUNTED

AVAILABILITY: SCHUCO CT70, Si82

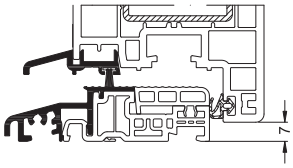
CAUTION !
PLEASE FOLLOW THE INSTRUCTIONS ON THE USE OF SPECIFIC DESCRIPTIONS ABOVE WHILE SEND AN OFFER REQUEST. UNLESS FULFILLED, THE STANDARDS WILL BE USED IN QUOTATIONS.

ENTRANCE DOOR - INWARD GOING

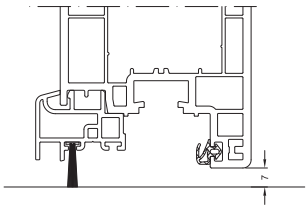
PLEASE USE IT WHEN ORDERING



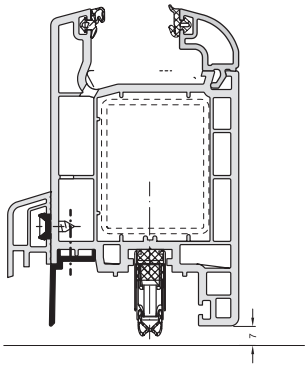
1. SH2
2. SH4
3. SH2/2PZ
4. AUTOMATIC
5. R4



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



2 NO THRESHOLD

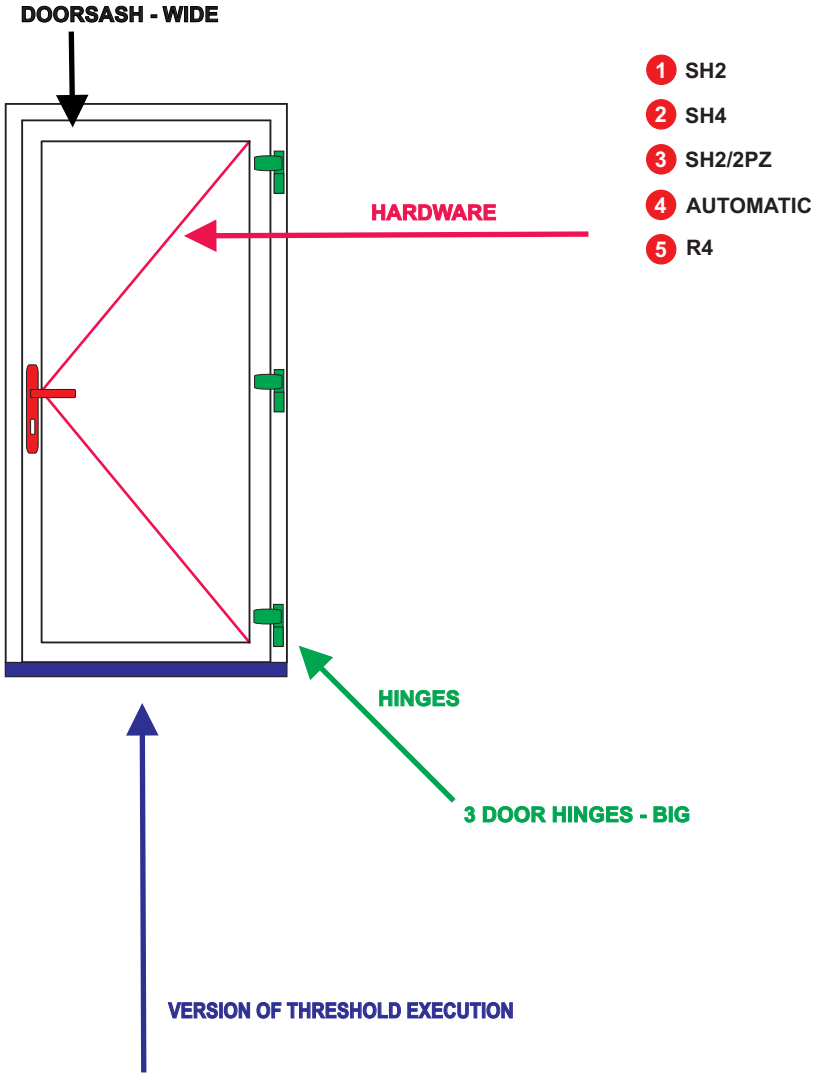


3 NO THRESHOLD - FINSEAL BRUSH

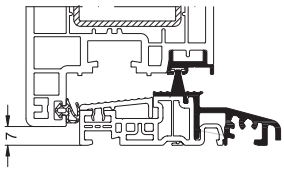
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ENTRANCE DOOR - OUTWARD GOING

PLEASE USE IT WHEN ORDERING

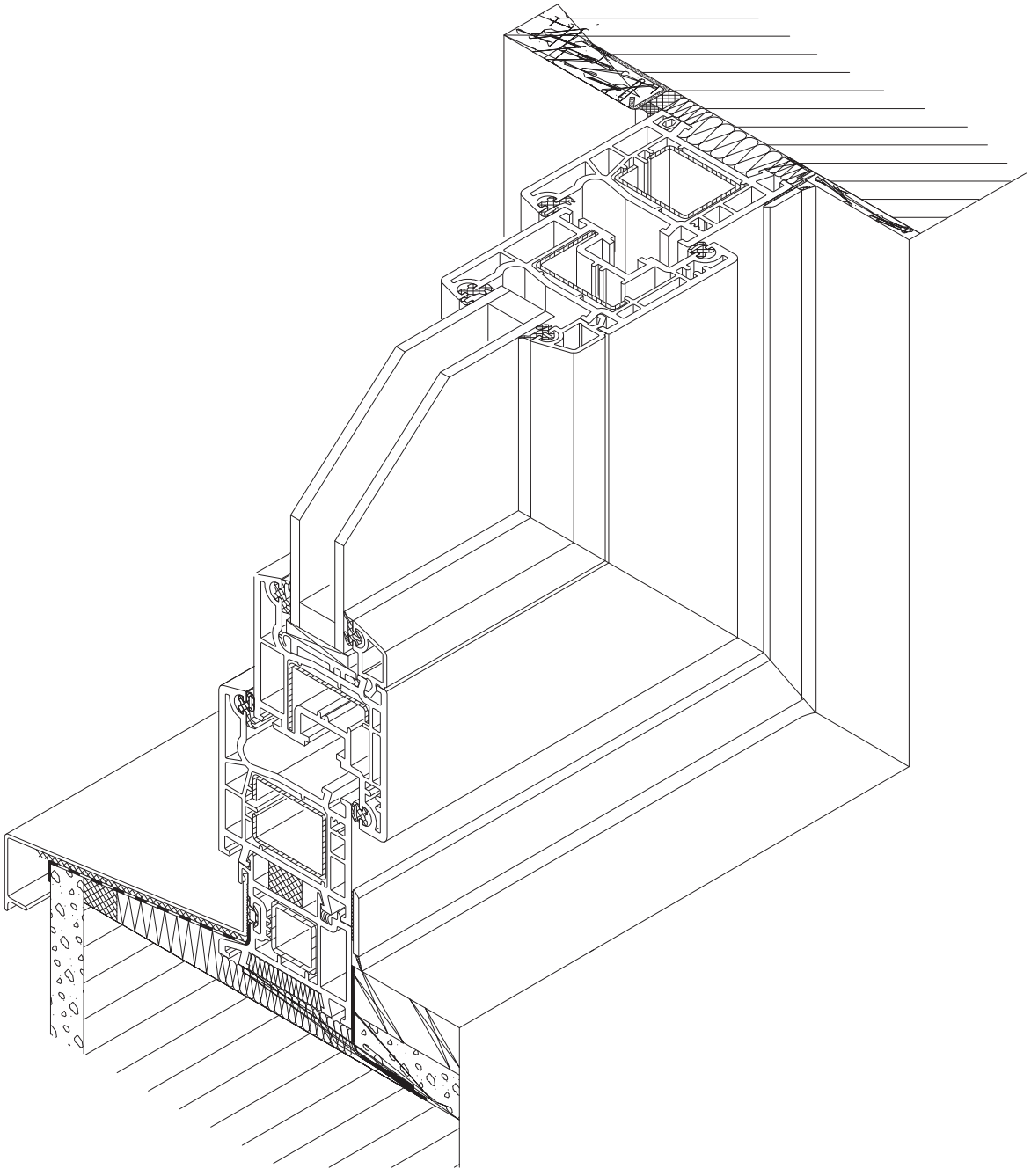


1. SH2
2. SH4
3. SH2/2PZ
4. AUTOMATIC
5. R4

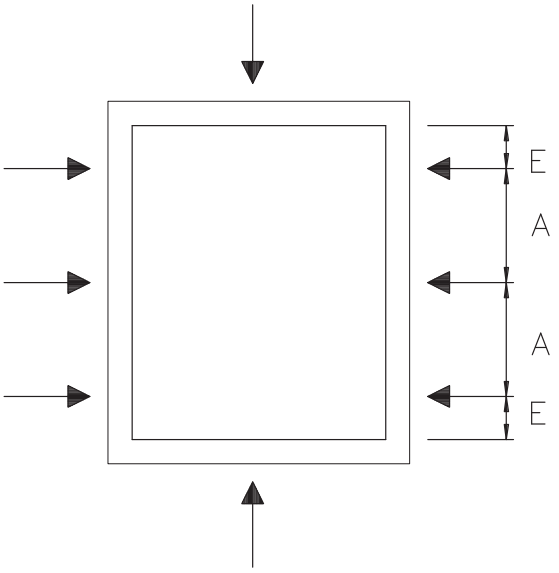


1. LOW ALU/PVC THRESHOLD (2cm)
   AVAILABILITY: SCHUCO CT70

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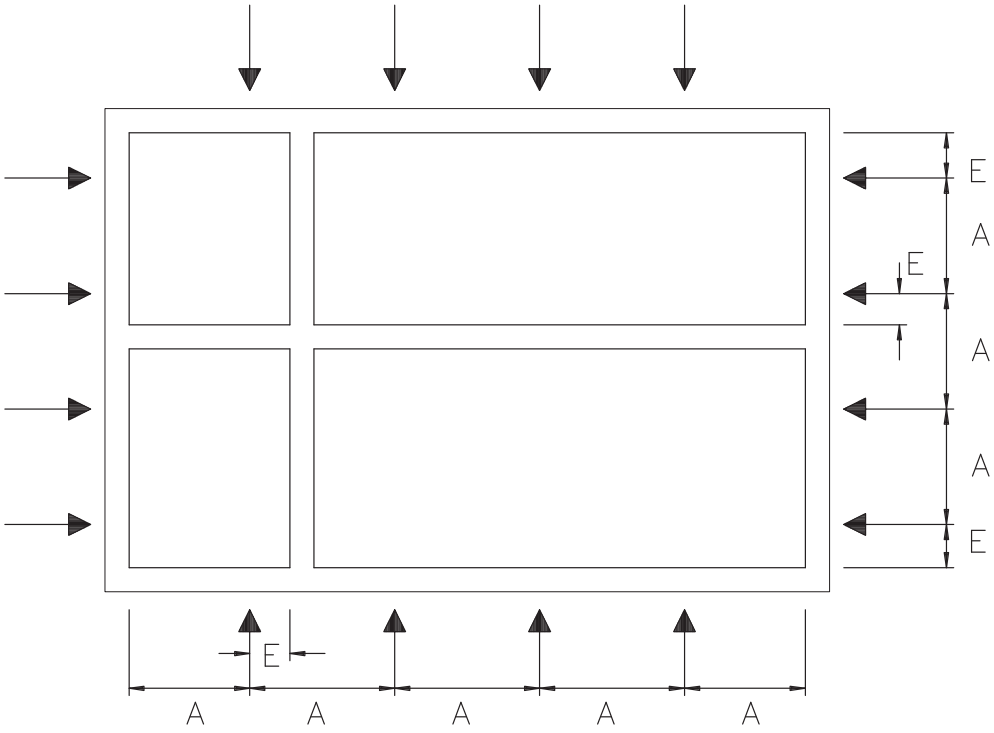
INSTALLATION USING FLAT ANCHORS
PLACEMENT OF FIXING POINTS



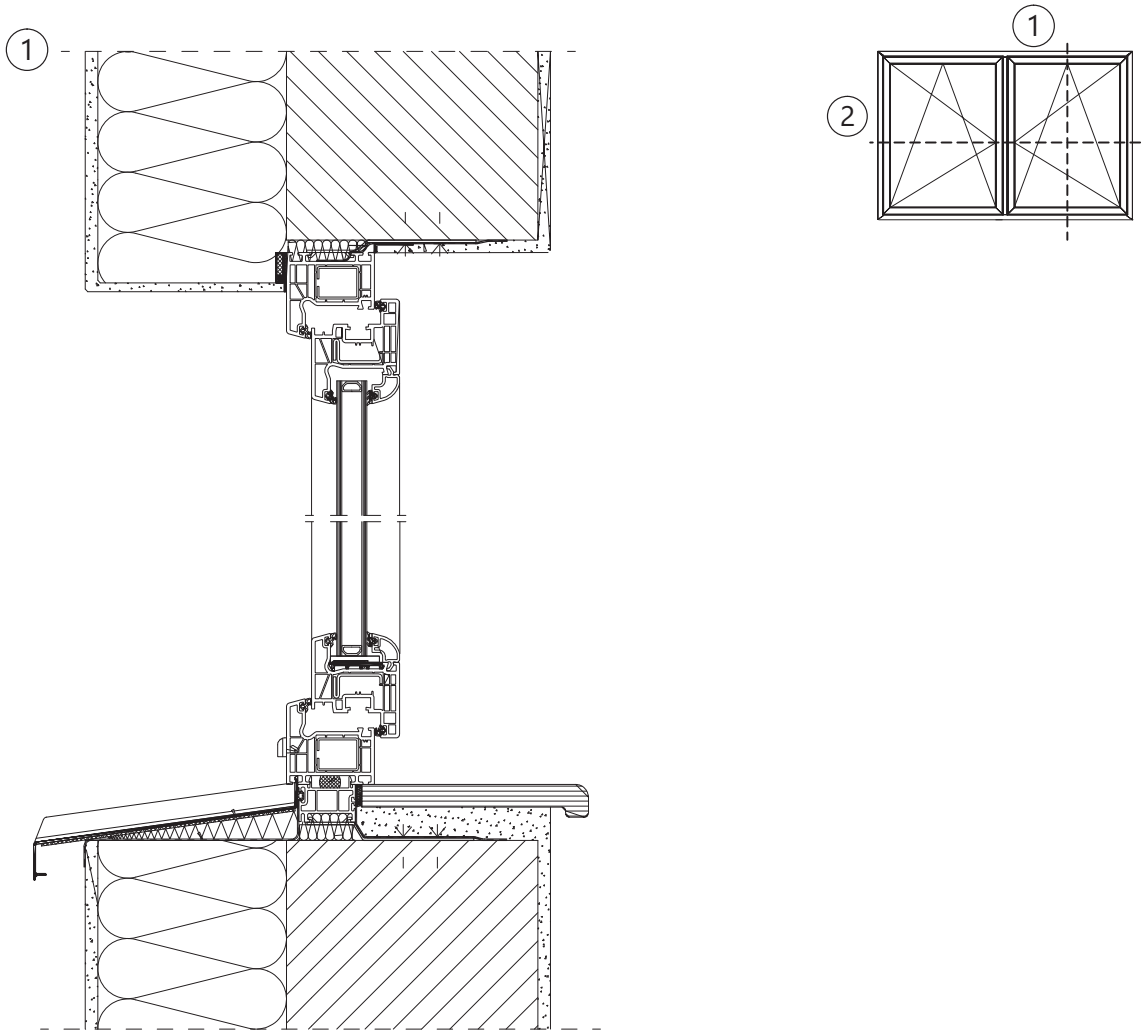
– FIXING POINT

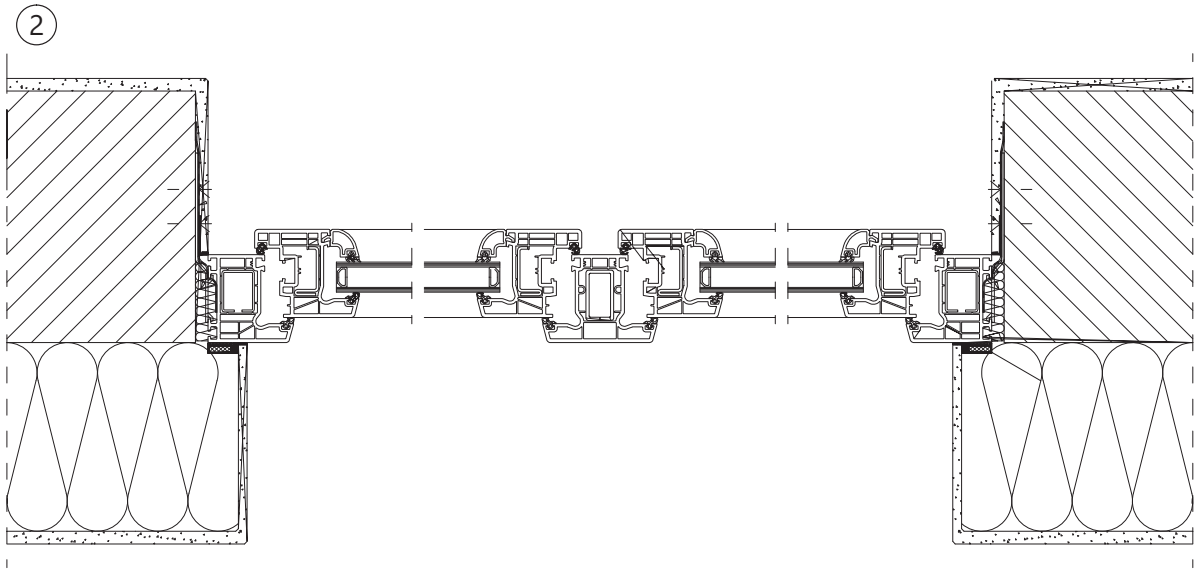
A = MAX 700 mm

E = 100 - 150 mm

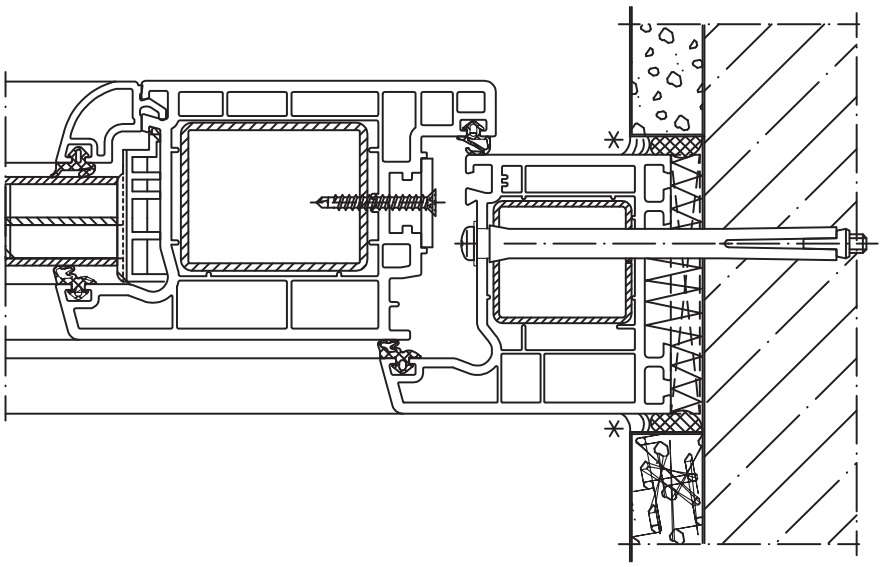


CROSS-SECTIONS OF INSTALLATION POINTS

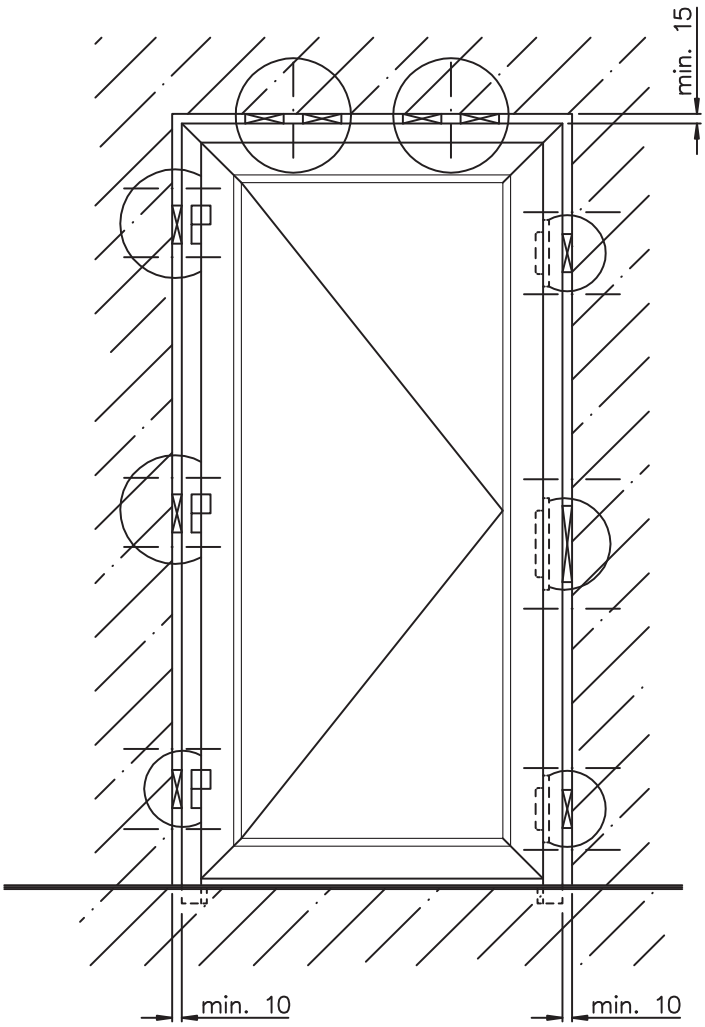




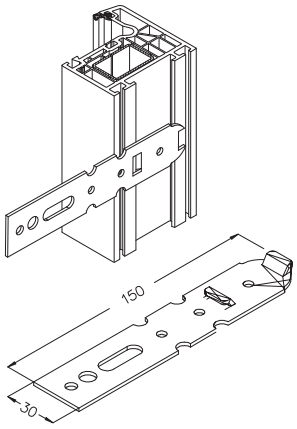
INSTALLATION USING ANCHOR PEGS (SCREWS)



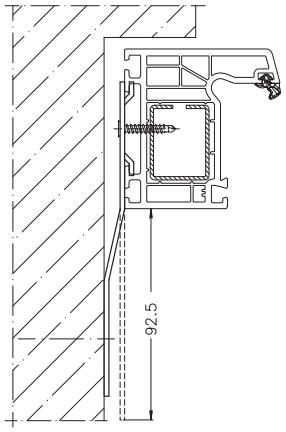
PEG INSTALLATION POINT PLACEMENT

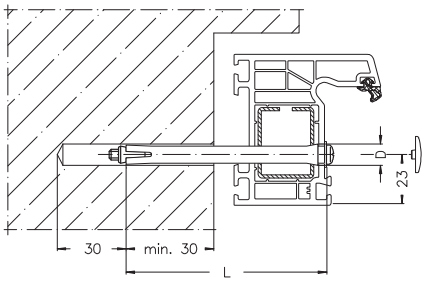


INSTALLATION USING FLAT ANCHORS & PEGS



ZINC-COATED FLAT ANCHOR





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