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COMPANY INFORMATION

I. COMPANY HISTORY

Demsaş Metal Inc. was established in 1984 with its 15.000 sqm production area and over 170 employees. Our Company is working in the field of aluminium profile production and contributing to our country's economy with its exports to more than 30 countries we have achieved to become one of the rare fully integrated aluminium plants in its sector since its establishment.

II. SERVICES

- Hosting all the production levels such as:
 - Drawing stage
 - Extrusion mold design
 - Production of extrusion molds
 - Profile extrusion
 - Surface treatments
- A) Powder Coating
- B) Anodising (Polished or Matte)
- C) Brushed effects
- D) Heat transfer printing
- Mechanical treatment

- Professional support, consultation and adequate technical advices ensured by our experienced engineering team in profile extrusion.
- Reliable customer care processing training and technical support.
- Production of custom length profiles with high quality powder coating and anodising.

III. BASIC VALUES

● VISION

Our aim is to be a leader in the market by providing added value to our customers, shareholders, employees, business partners and society with innovative and creative solutions and to produce according to international standards with an environment- friendly approach. In addition, we aim to create high-performance human resources that are open to learning, development and sharing, adopting all corporate values, thus using all of our capabilities as our capital, creating an environment that promotes long-term relationships.

● MISSION

Demsaş has a mission of establishing direct and transparent communication with its employees, empowering them in line with their capabilities and in a way that they can demonstrate their skills in an efficient manner, take initiatives and produce innovations and create a trust-based working environment. Our company, without compromising its core values, aims to approach its employees and customers from a business ethics, honesty, quality and solution-oriented perspective and thus become the preferred business and solution partner in the market.

COMPANY INFORMATION

● CORPORATE VALUES

Our company's principle values:

- Being honest, confident and transparent company
- Contribute to the success of our customers
- Believe in innovative and dynamic development
- Social responsibility and environmental awareness
- Believe in teamwork
- To prioritize quality at all stages in marketing and production.

● QUALITY POLICY

Our quality policy consists of:

- To ensure customer satisfaction
- Maintaining quality and customer satisfaction in production, marketing, sales and after sales support stages from raw material supply until shipment
- To respect environment, our employees, our solution partners, our shareholders and our customers
- To be the most admired in the sector with managers and employees who adopt continuous improvement oriented values such as education, research and development

● QUALITY AND ENVIRONMENTAL POLICY

Demsaş Metal operates under the principles of 'Total Quality Management'

- All our production processes are carried out according to the principles of TSE (Turkish Standart Institution) and **ISO 9001: 2008 Quality Management System**.
- Our company exhibits a meticulous attitude to comply with international standards in our products and services.
- Improvements in processes that ensure efficiency and reduction of costs are implemented regularly and systematically.

In accordance with its environmental policy, Demsaş Metal has adopted a sensitive attitude to protect the external environment and natural resources.

Our company, employees and solution partners to raise awareness about social responsibility and environmental policy and environmental pollution prevention is adopted as a principle to take measures.

We have already started procedures to reduce our carbon print and achieve to 0% emissions by 2040.



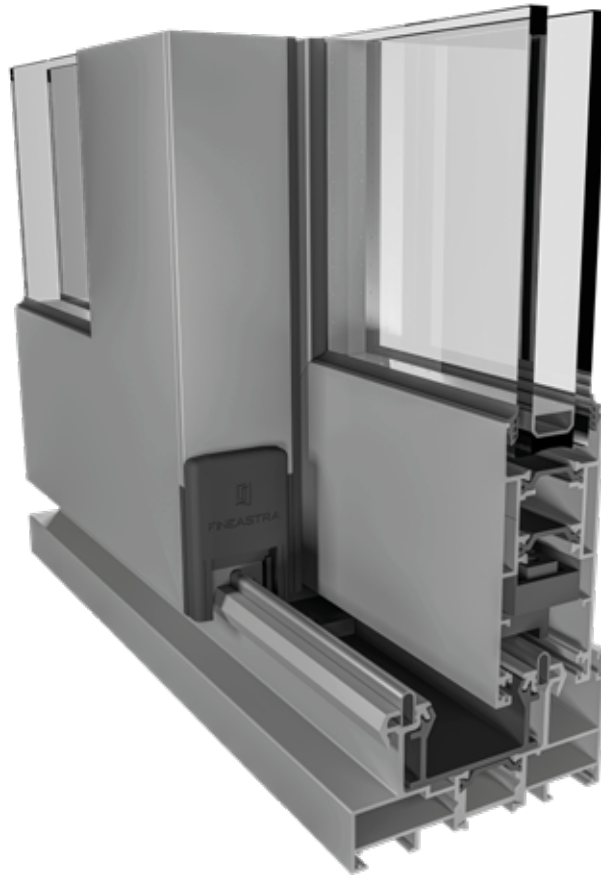
GENERAL INFORMATION

CONCEPT / ADVANTAGES / CERTIFICATES

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SWT38

THERMO SLIDING SYSTEM



SWT38

The SWT38 Advantage: Engineering Meets Elegance Whether your project requires a smooth Standard Sliding movement or a Lift & Slide mechanism, the SWT38 offers both options within a single, high-performance platform. It is meticulously designed to provide maximum comfort for the end-user and peak efficiency for the fabricator.

- **Unrivalled Thermal Performance:** Featuring the widest thermal barrier in its class, SWT38 ensures superior sealing and energy efficiency that goes far beyond standard market solutions.
- **Dual Functionality:** Flexibility at its best—choose between Sliding or Lift & Slide options to perfectly match your project requirements.
- **Premium Durability:** Equipped with a Standard Stainless Steel Rail, ensuring ultra-smooth sash movement and long-term resistance against wear and tear.
- **Anti-Bi-Metal Innovation:** A pioneer in the 38mm series, our advanced anti-bi-metal technology prevents sash distortion, ensuring flawless operation even under extreme temperature differences.
- **Fabricator-First Design:** Optimized workshop processing with simplified milling and minimal notching, allowing for faster production and effortless installation.
- **Modern Aesthetics:** Achieve a minimalist look with slim vertical profiles and glazing bead sash options (supporting glass up to 28 mm).
- **All-Inclusive Hardware:** Heavy-duty rollers and a wide range of handle/locking options (including sleek flush-pulls) come integrated as standard equipment.

COMPLIANCE WITH APPLICABLE REGULATIONS

Production management

Quality Management System is certified in accordance with EN ISO 9001:2008.

Environmental Management System is certified in accordance with EN ISO 14001:2015

Factory Production Control System is certified according to the requirements of EN 15088. All Demsaş Metal profiles are CE marked and in compliance with applicable Europe and Standards.

DEMSAŞ is authorized to use the **QUALICOAT SEASIDE** quality sign for paint, lacquer and powder coating on aluminium for architectural applications.

Occupational Health & Safety Management System is certified in accordance with OHSAS 18001.

PERFORMANCE CHARACTERISTICS OF

Characteristics	Classification / Value	Standard
Air permeability	Up to class 4	EN 1026 / EN 12207
Watertightness	Up to class 9A	EN 1027 / EN 12208
Resistance to wind load	Up to class C4	EN 12211 / EN 12210
Acoustic performance	Up to 38 dB	EN ISO 717-1

CLASSIFICATION OF CHARACTERISTICS

for windows without resistance to fire and/or smoke leakage characteristics
according to EN 14351-1

Characteristic / Value / Dimension	Classification / Value											
Resistance to wind load Test pressure P1 (Pa)	npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxxx (>2000)					
Resistance to wind load Frame deflection	npd	A (≤1/150)		B (≤1/200)		C (≤1/300)						
Resistance to snow and permanent load	npd	Declared information on the infill (e.g. type and thickness of glass)										
Reaction to fire	npd	F	E	D	C	B	A2	A1				
External fire performance	npd	According to EN 13501-5										
Watertightness Non-shielded (A) Test pressure (Pa)	npd	1A (0)	2A (50)	3A (100)	4A (150)	5A (200)	6A (250)	7A (300)	8A (450)	9A (600)	Exxxx (>600)	
Watertightness Shielded (B) Test pressure (Pa)	npd	1B (0)	2B (50)	3B (100)	4B (150)	5B (200)	6B (250)	7B (300)				
Dangerous substances	npd	As required by regulations										
Impact resistance Drop height (mm)	npd	200		300		450		700		950		
Load-bearing capacity of safety devices	npd ^a	Threshold value										
Acoustic performance Sound insulation R _w (C;C _{tr}) (dB)	npd	Declared values										
Thermal transmittance U _w (W/(m ² .K))	npd	Declared values										
Radiation properties Solar factor (g)	npd	Declared values										
Radiation properties Light transmittance (τ _v)	npd	Declared values										
Air permeability Max. test pressure (Pa) Reference air permeability at 100 Pa (m ³ /(h·m ²) or m ³ /(h·m))	npd	1 (150) (50 or 12.50)		2 (300) (27 or 6.75)		3 (600) (9 or 2.25)		4 (600) (3 or 0.75)				
Operating forces^b	npd	1				2						
Mechanical strength	npd	1		2		3		4				
Ventilation Air flow exponent n Air flow characteristic K Air flow rates	npd	Declared values										
Bullet resistance	npd	FB1	FB2	FB3	FB4	FB5	FB6	FB7	FSG			
Explosion resistance Shock tube	npd	EPR1		EPR2		EPR3		EPR4				
Explosion resistance Range test	npd	EXR1		EXR2		EXR3		EXR4		EXR5		
Resistance to repeated opening and closing Number of cycles	npd	5000			10 000			20 000				
Behavior between different climates	npd	Under development										
Burglar resistance	npd	1	2	3	4	5	6					

NOTE 1: npd: no performance determined

NOTE 2: The figures in brackets are for information

^a Only if safety device(s) is (are) not provided

^b Manually operated windows only



BUILDING PHYSICS

DIMENSIONING / FORMULAS / EXAMPLES

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SWT38

THERMO SLIDING SYSTEM

ALUMINIUM AS MATERIAL

ALUMINIUM IS VERY YOUNG METAL, EXTRACTED FOR THE FIRST TIME IN 1854. COMMERCIALY PRODUCED AS A PRECIOUS METAL FROM 1886, ITS INDUSTRIAL PRODUCTION FOR CIVIL APPLICATIONS ONLY ACHIEVED WIDE USE IN THE 1950's.

NOW ALUMINIUM PLAYS A KEY ROLE FOR THE SUSTAINABILITY OF NEW BUILDINGS AND THE RENOVATION OF EXISTING ONES. THANKS TO ITS PERFORMANCE, SAFETY AND COMFORT OF NEW BUILDINGS.

ADVANTAGES

DESIGN FLEXIBILITY

The extrusion process offers an almost infinite range of forms and sections, allowing designers to integrate numerous functions into one profile.

LONG SERVICE LIFE

Aluminium building products are made from alloys that are weatherproof, corrosion-resistant and immune to the harmful effects of UV rays, ensuring optimal performance over a very long period of time.

HIGH STRENGTH-TO-WEIGHT RATIO

Thanks to the metal's inherent strength and stiffness, aluminium window and curtain wall frames can be very narrow. Material's light weight makes it easier to transport and handle on-site, reducing the risk of work-related injury.

HIGH-REFLECTIVITY

This characteristic feature makes aluminium a very efficient material for light management. Aluminium shading devices can be used to reduce the need for air conditioning in summer.

FIRE SAFETY

Aluminium does not burn and therefore is classified as a non-combustible construction material (European Fire Class A1). Aluminium alloys will nevertheless melt at around 6500 C, but without releasing harmful gases.

NO RELEASE OF DANGEROUS SUBSTANCES

Several studies have proved that aluminium building products do not present a hazard to occupants or the surrounding environment. Aluminium building products have no negative impact, either on indoor air quality or on soil, surface and groundwater.

OPTIMAL SECURITY

Where high security is required, specially designed, strengthened aluminium frames can be used. While the glass for such applications may well be heavy, the overall weight of the structure remains manageable, thanks to the light weight of the aluminium frames.

ALLOYS

Aluminium in its pure form is a very soft metal. Thanks to the addition of alloying elements such as copper, manganese, magnesium, zinc, etc. and thanks to suitable production processes, the physical and mechanical properties can be varied in a wide range to satisfy the requirements of a large number of different applications.

DEMSAŞ profiles are extruded from the following alloys:

EN AW-1050 (Al 99.5)
EN AW-6060 (Al Mg Si)
EN AW-6063 (Al Mg_{0,7} Si)
EN AW-6061 (Al Mg₁ Si Cu)
EN AW-6005 (Al Si Mg)
EN AW-6082 (Al Si₁ Mg Mn)

The most common aluminium alloy which is used by DEMSAŞ is EN AW 6063. Here are the properties of this alloy:

MATERIAL PROPERTIES

Aluminium alloy	EN AW 6063 F22
Ultimate tensile strength	$R_m = 210 \text{ N/mm}^2$
Yield strength	$R_{p0.2} = 160 \text{ N/mm}^2$
Modulus of elasticity	$E_{al} = 70\,000 \text{ N/mm}^2 = 7.10^9 \text{ kg/m}^2$
Coefficient of thermal expansion	$\alpha = 0.023 \text{ mm/m} \cdot \text{K}$ (up to 1.2 mm/m for difference up to 50°C)

EXTRUSION PROCESS

DEMSAŞ profiles are obtained through extrusion process, which consists of pushing a hot cylindrical bullet of aluminium through a shaped die. The extrusion process offers almost infinite range of forms and sections, allowing our designers to integrate numerous functions into one single profile.

FINISHING

POWDER COATING

It is a type of paint that is applied as a dry powder. Coating is applied on DEMSAŞ profiles electrostatically and then is cured under heat to allow it to flow and form a "skin". DEMSAŞ is authorized to use the quality sign **QUALICOAT SEASIDE** for powder coatings on aluminium for architectural applications. A wide range of colours and gloss levels can be achieved. DEMSAŞ also offers timber imitations painting, in addition to all RAL colors. The technology EZY provides the following colors: Golden Oak, Acero, Betulla, Mogano, Verde Scuro, Wenge, Noce Fiammato, Noce Chiaro, Ciliegio Rosso, Acacia Scuro, Ciliegio Antico, Noce Reale, Ciliegio Reale.

ANODIZING

It is an electrochemical process whereby to reinforce the natural oxide film on the aluminium surface increasing hardness, corrosion and abrasion resistance. Anodizing gives a very decorative silver matt surface finish, and colored can also be obtained by sealing metallic dyes into the anodized layer.

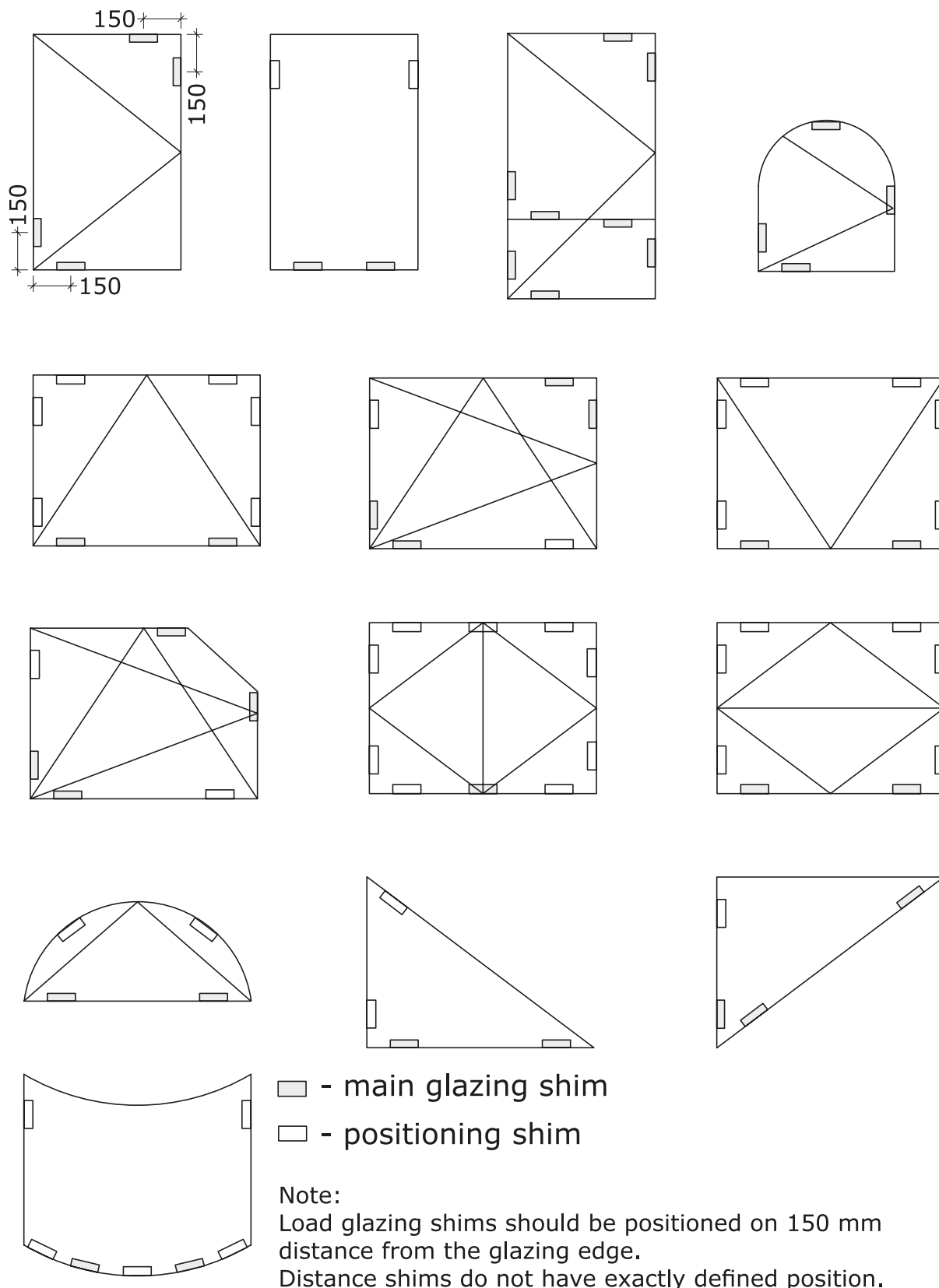
MAINTENANCE

Apart from routine cleaning for aesthetic reasons, DEMSAŞ aluminium profiles do not require any maintenance which translates into a major cost and ecological advantage over lifetime of the product.

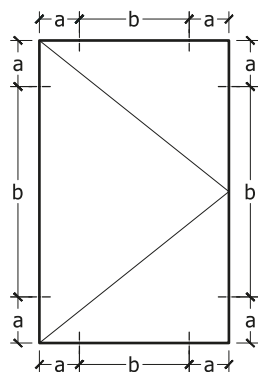
RECYCLING

Aluminium scrap can be continuously recycled without any loss of value or properties. In many instances, aluminium is combined with other materials such as steel or plastics, which are most frequently mechanically separated from aluminium before being melted.

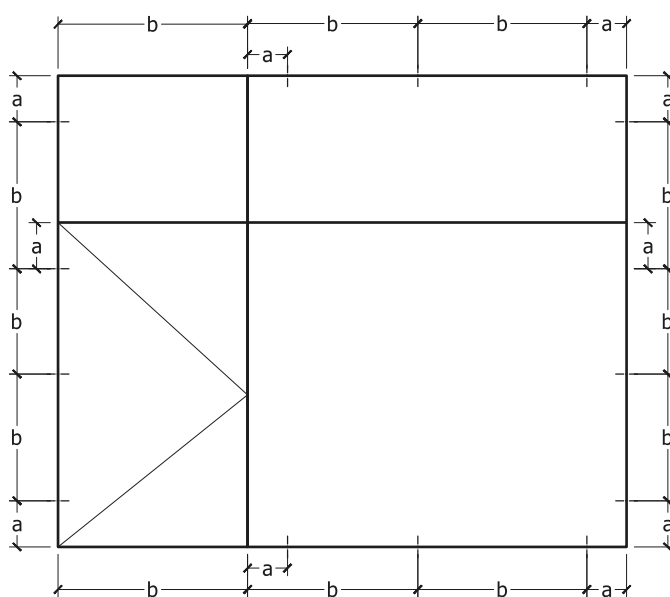
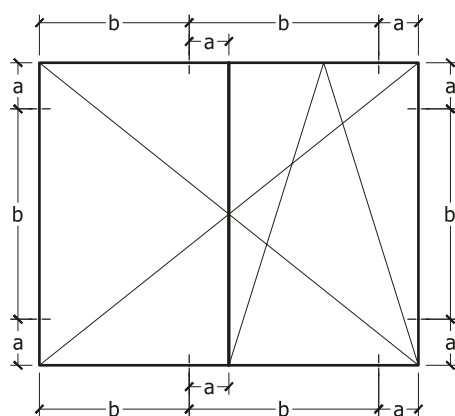
GLAZING SHIMS



POSITION OF ANCHORS



$a = 150 \div 200 \text{ mm}$
 $b \leq 800 \text{ mm}$

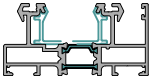
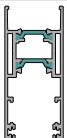
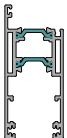
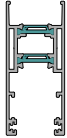
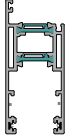




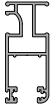
PROFILES OVERVIEW

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SWT38
THERMO SLIDING SYSTEM

	PROFILE	Ix	Iy	DESCRIPTION	WEIGHT
SWT38-002				FRAME	
SWT38-003				FRAME	
SWT38-023				FRAME	
SWT38-012				FRAME	
SWT38-013				FRAME	
SWT38-004				FRAME	
SWT38-101				SASH	
SWT38-102				SASH	
GH38-002				Glazing bead	
SWT38-101-ABM				SASH	
SWT38-102-ABM				SASH	
SWT38-502				Cap Profile for Fixed Sash	

PROFILES OVERVIEW

	PROFILE	SYSTEM	USAGE	DESCRIPTION	WEIGHT
SWT38-601				External Cover	
MS200-102				SASH	
SW28-403					
SWT38-403				Adjoining Profile and pvc espagnolette connector	
OP-301					
OP-303					
OP-304					
ST150-20					
ST190-20					

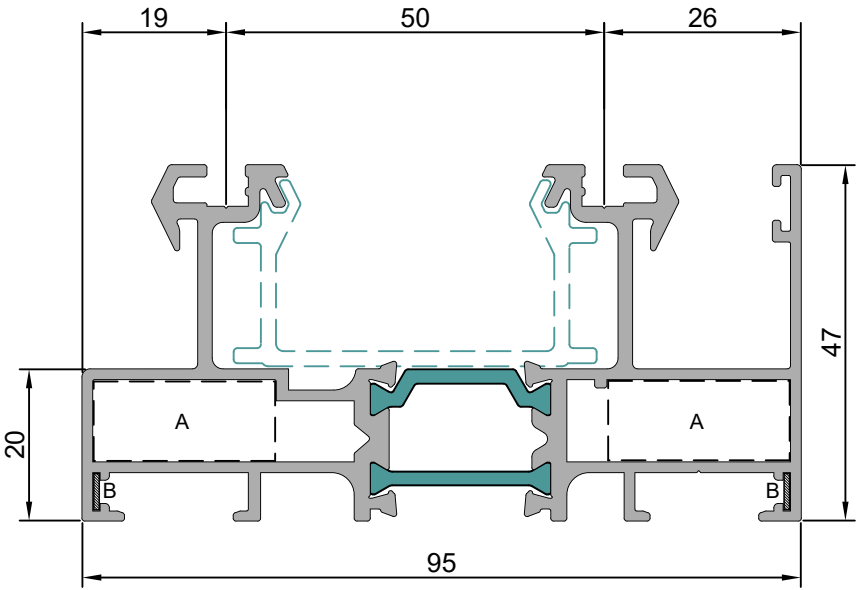


PROFILES 1:1

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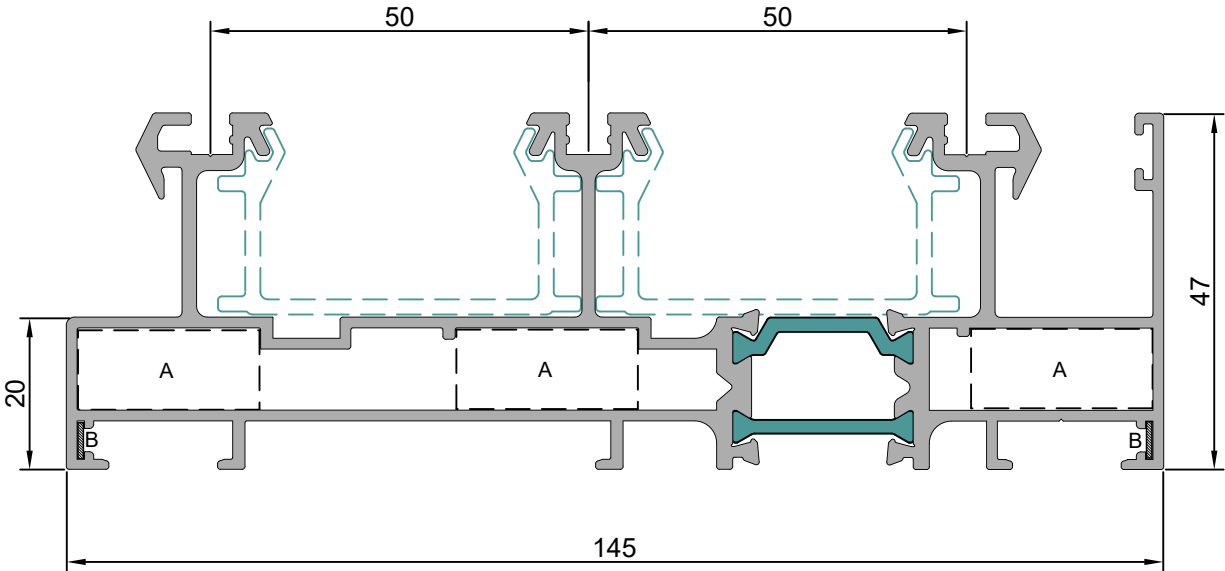
SWT38

THERMO SLIDING SYSTEM



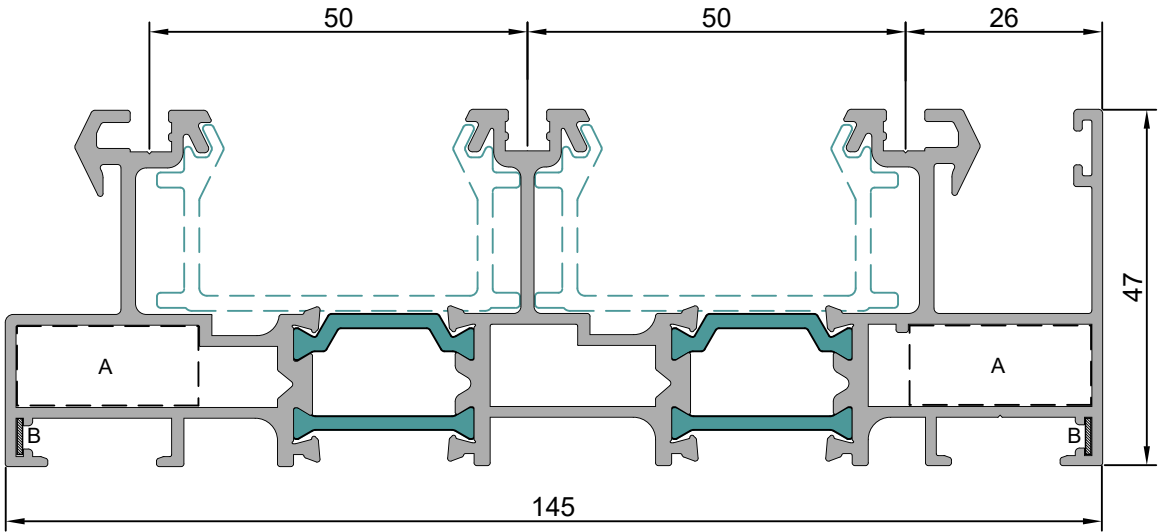
SWT38-002
Frame
weight= 1,900 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900



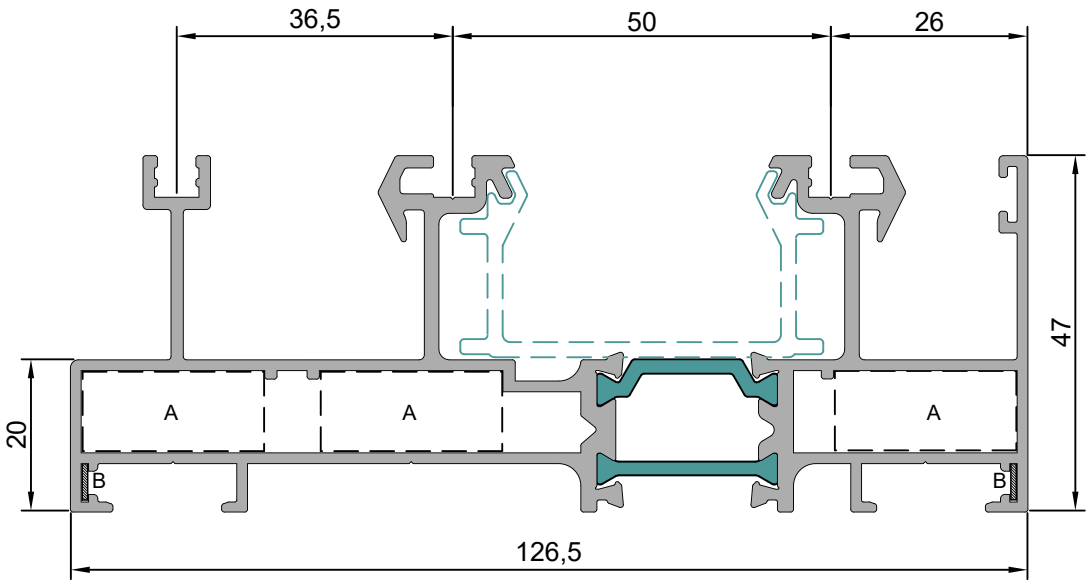
SWT38-003
frame
weight= 2,556 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900



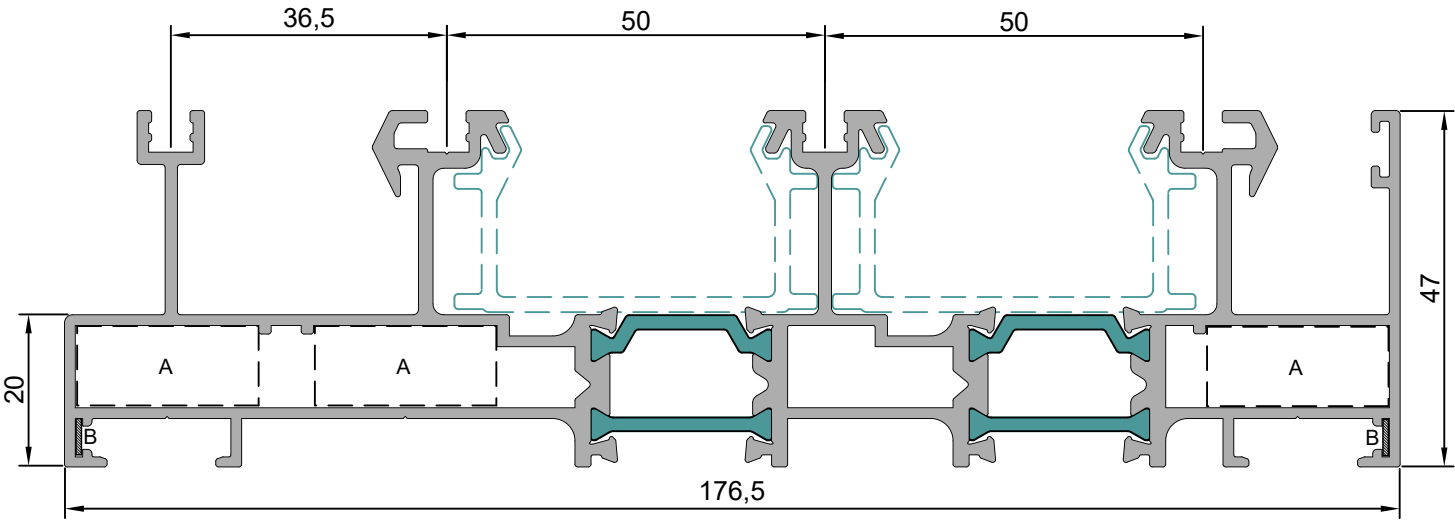
SWT38-023
frame
weight= 2,812 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900



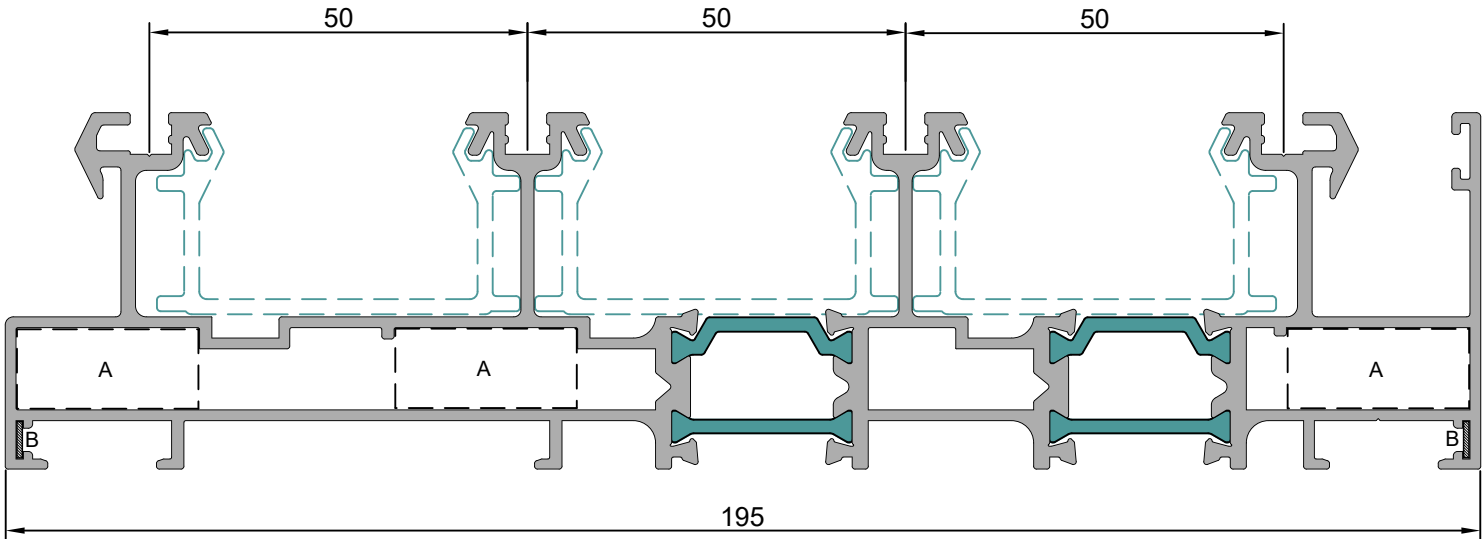
SWT38-012
frame
weight= 2,292 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900



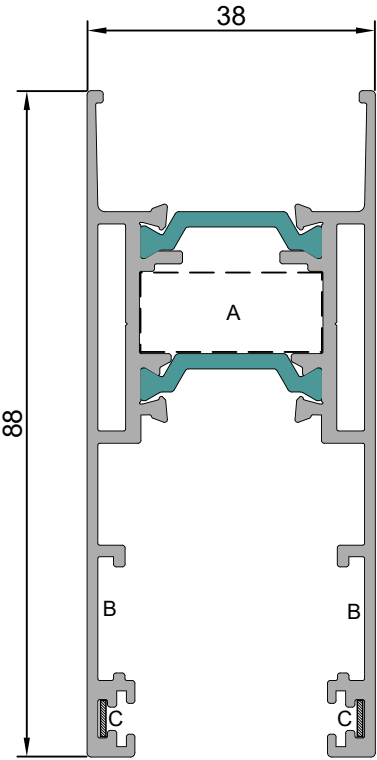
SWT38-013
frame
weight= 3,203 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900



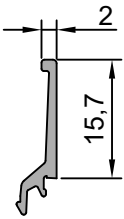
SWT38-004
frame
weight= 3,467 kgr/m

A	KT-106-024 OR...CR-1124
B	CR-1900

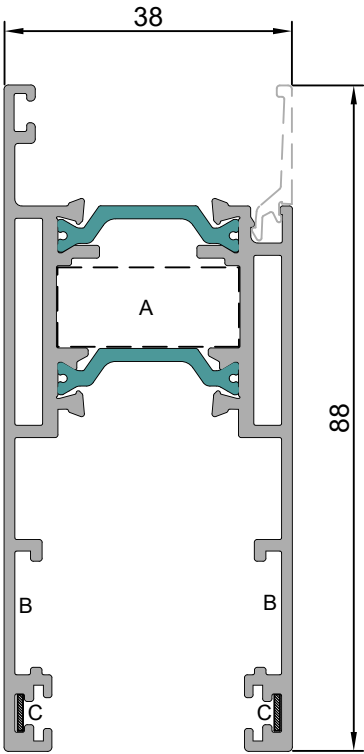


SWT38-101
sash
weight= 1,450 kgr/m

A	CR-1124
B	CR-1910
C	CR-1900



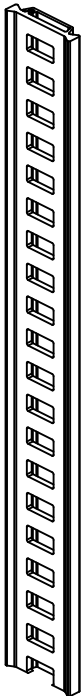
GH38-002
Glazing bead
weight= 0,084 kgr/m



SWT38-102
sash
weight= 1,419 kgr/m

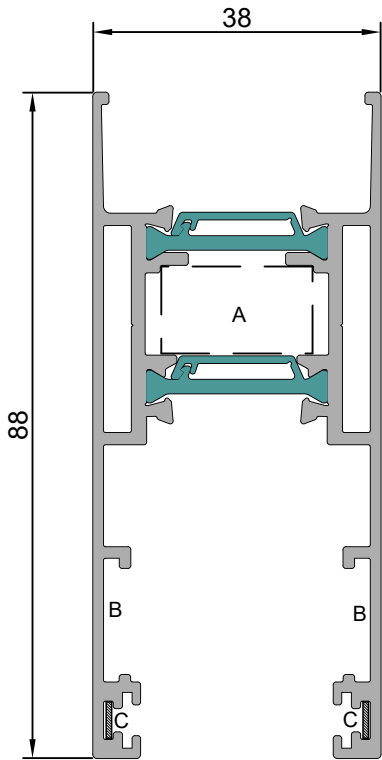
A	CR-1124
B	CR-1910
C	CR-1900

ANTI BIMETAL SOLUTIONS



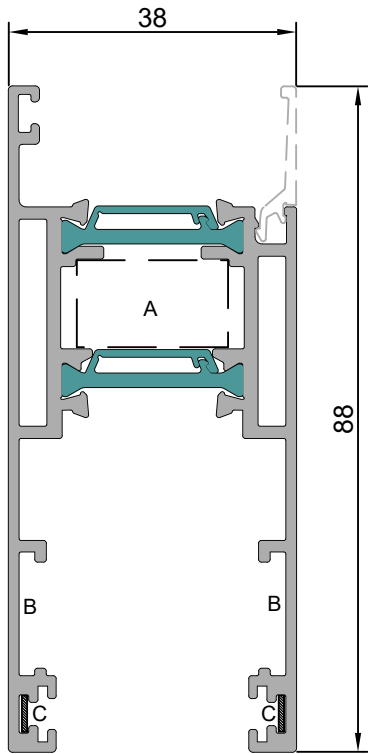
The bi-metallic effect occurs when the inner and outer frames of a door are exposed to different temperatures. Especially when the outer surface is heated by strong sunlight, the outer frame expands. This expansion can cause the door to warp and make opening, closing, or locking more difficult.

The anti bi-metal system is designed to prevent this issue. It allows the outer frame to expand while maintaining the shape and alignment of the inner frame. As a result, the door continues to operate smoothly without being affected by temperature differences.



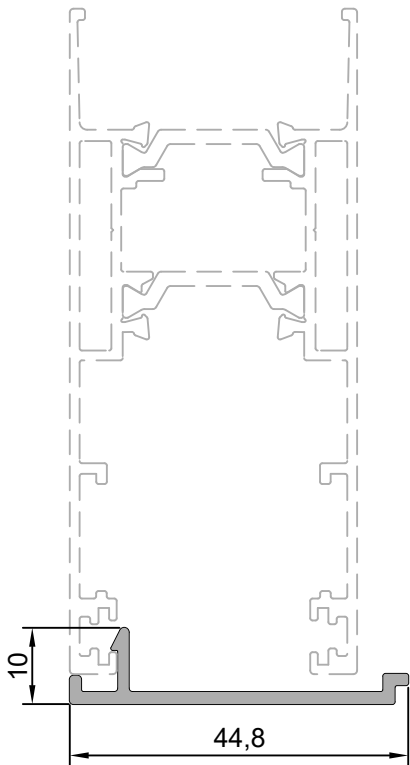
SWT38-101-ABM
sash
weight= 1,475 kgr/m

A	CR-1120
B	CR-1910
C	CR-1900

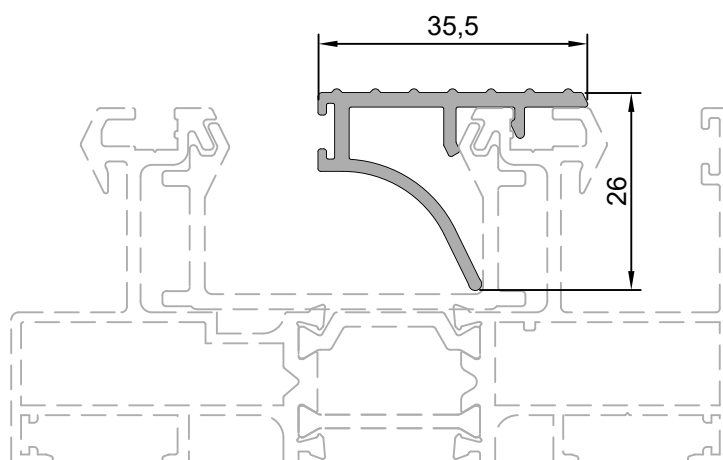


SWT38-102-ABM
sash
weight= 1,444 kgr/m

A	CR-1120
B	CR-1910
C	CR-1900



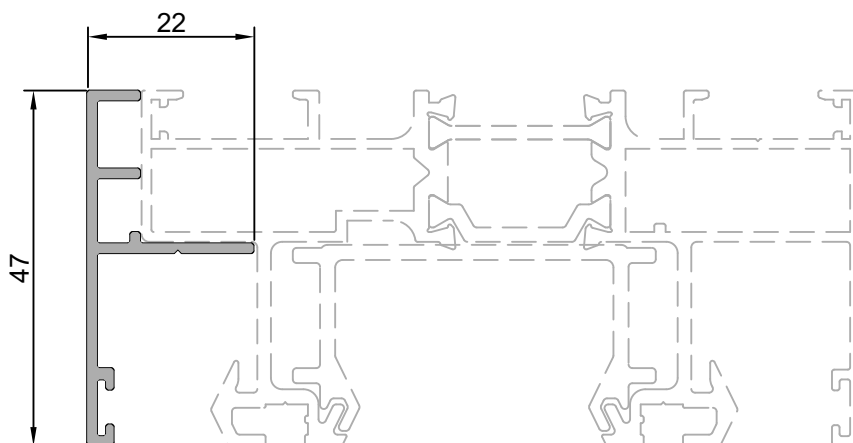
SWT38-401
Cap For Wide Interlock
weight= 0,246 kgr/m



SWT38-502

Cap Profile for Fixed Sash

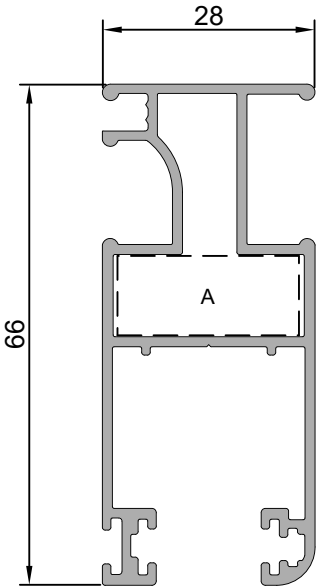
weight= 0,378 kgr/m



SWT38-601

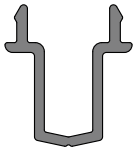
External Cover

weight= 0,308 kgr/m

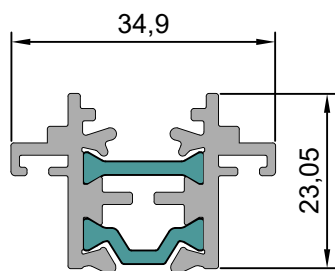


MS200-102
sash
weight= 0,815 kgr/m

A	CR-1124
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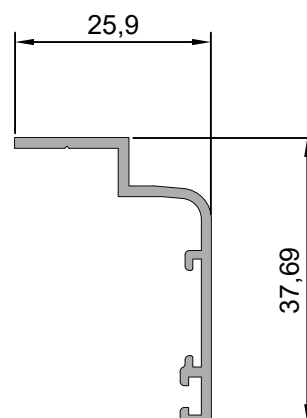
SW28-403
sash
weight= 0,176 kgr/m



SWT38-403

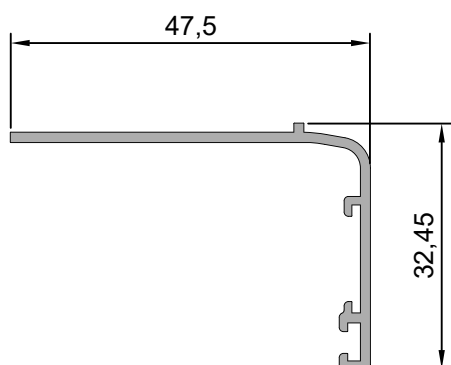
Adjoining Profile and
pvc espagnolette connector

weight= 0,623 kgr/m



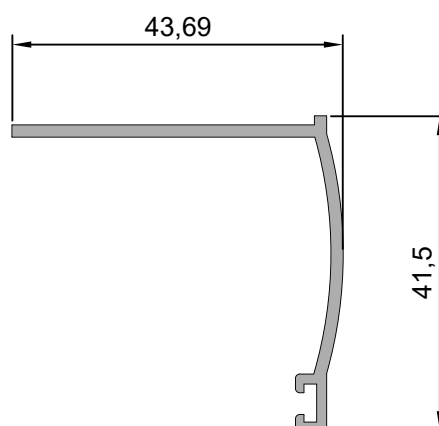
OP-301

weight= 0,238 kgr/m



OP-303

weight= 0,289 kgr/m



OP-304

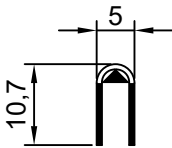
weight= 0,348 kgr/m



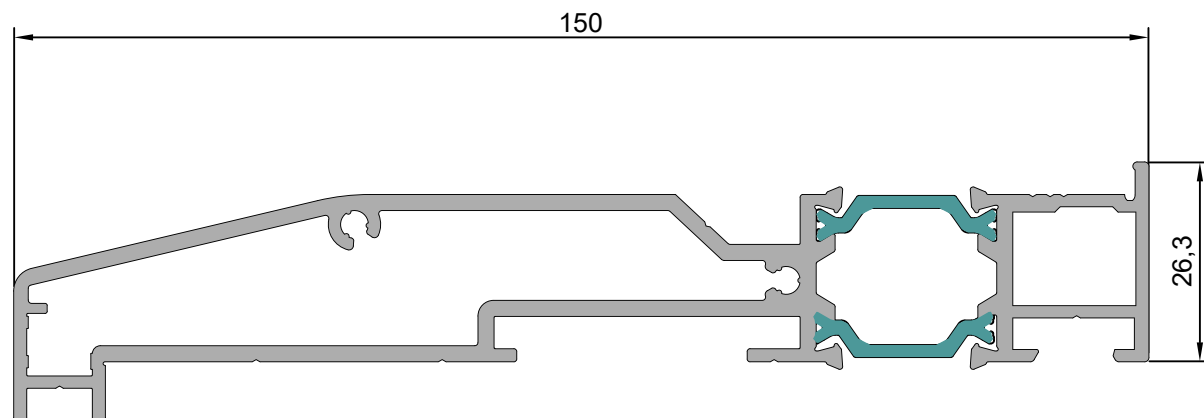
Poliamid 01
FRAME INTERNAL DRAINAGE PLASTIC FOR SWT 38
6 m



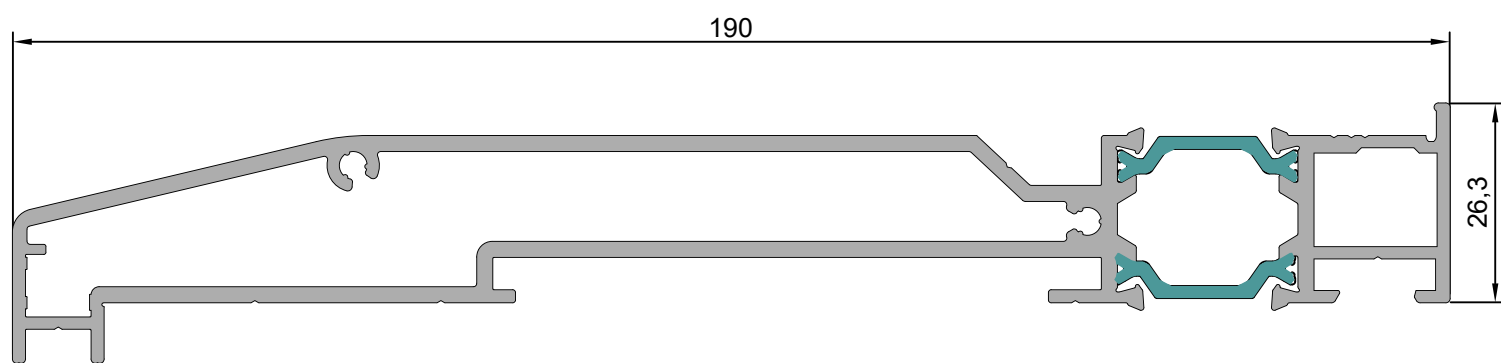
SIP-SWT38-L
PVC SASH INTERLOK PROFILE FOR SWT 38
6 m



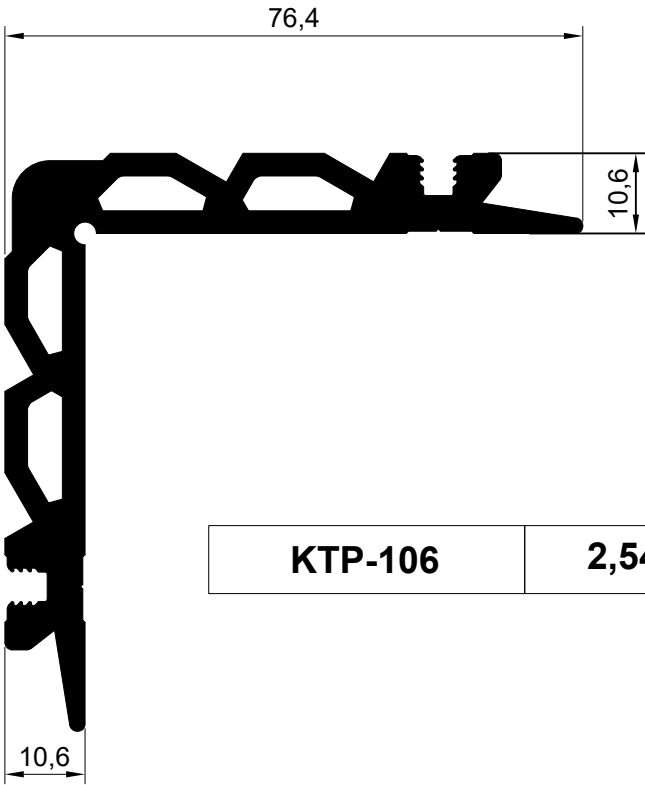
SSR-02
Stainless steel rail
6 m



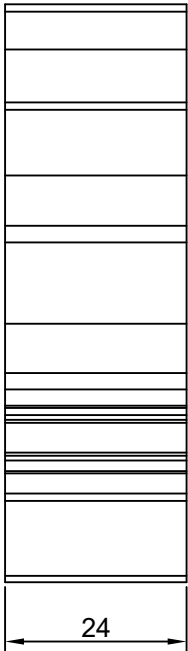
ST150-20
weight= 2,170 kgr/m



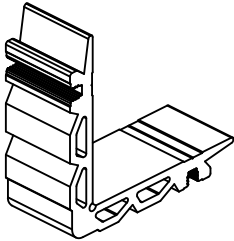
ST190-20
weight= 2,600 kgr/m



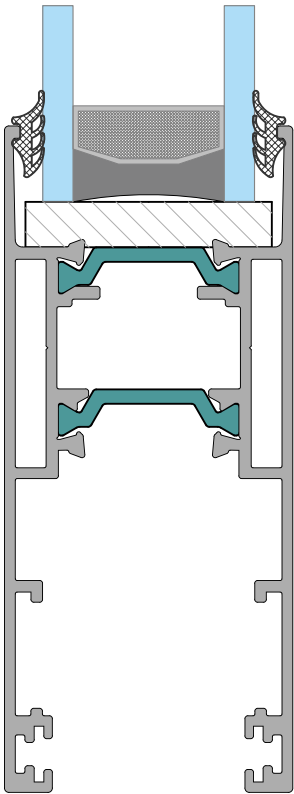
KTP-106	2,545 kg/m
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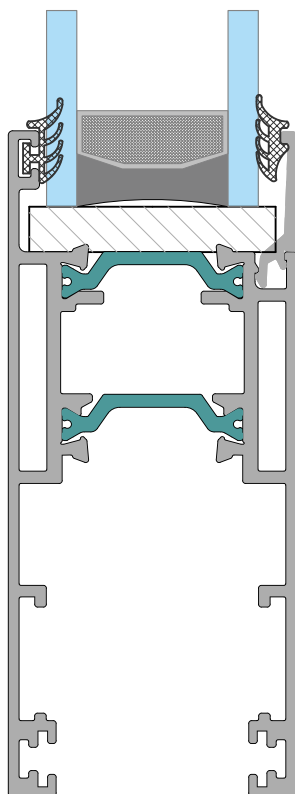
	Profile Drawing	Profile Description
SWT38-002		Frame
SWT38-003		Frame
SWT38-012		Frame



KT-106-024



Gasket Outside	Glass size	Gasket Inside
		
GS-207	20	GS-207
GS-207	21	GS-206
GS-206	22	GS-206
GS-206	23	GS-205
GS-205	24	GS-205
GS-205	25	GS-204
GS-204	26	GS-204
GS-204	27	GS-203
GS-203	28	GS-203
GS-203	29	GS-202
GS-202	30	GS-202



Gasket Outside 	Glass size 	Gasket Inside 	Glazing Bead 
GS-103	22	GS-207	GH38-002
GS-102	23	GS-207	GH38-002
GS-102	24	GS-206	GH38-002
GS-102	25	GS-205	GH38-002
GS-102	26	GS-204	GH38-002
GS-102	27	GS-203	GH38-002
GS-102	28	GS-202	GH38-002

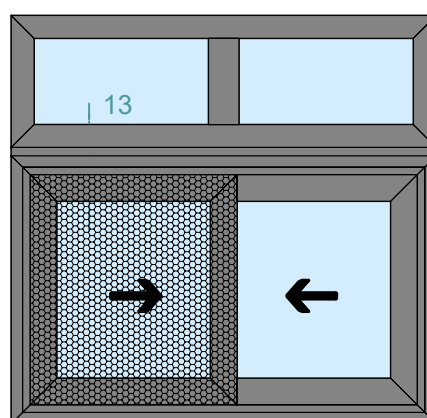
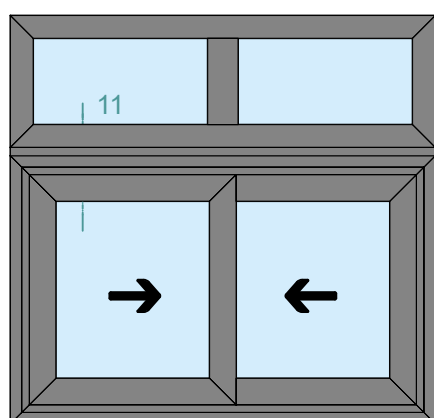
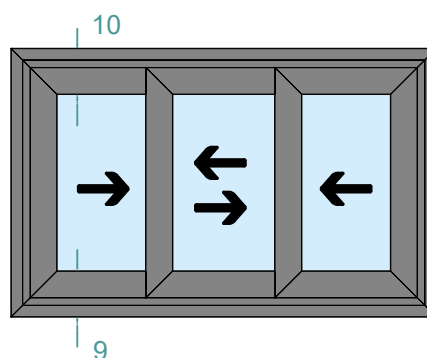
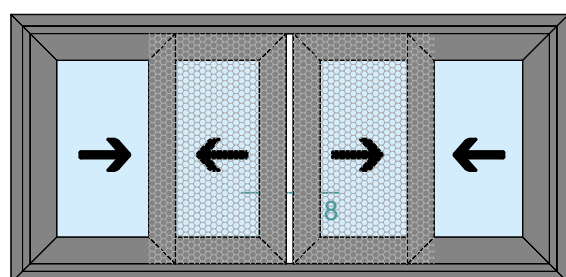
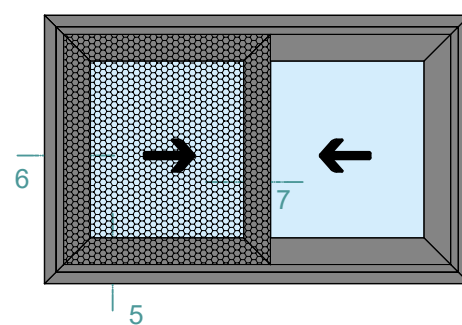
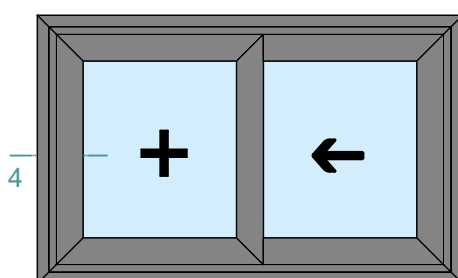
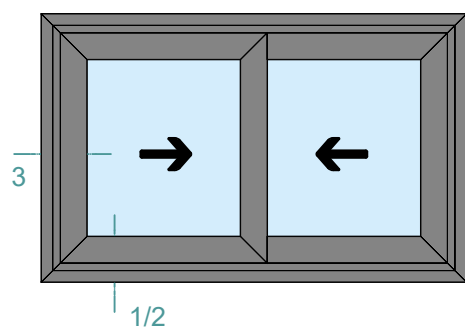


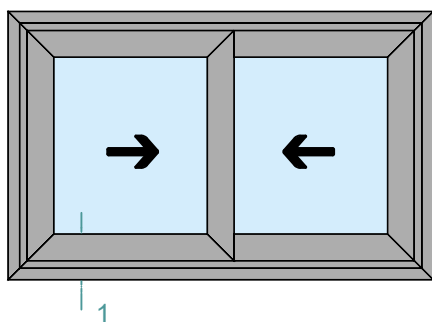
SECTIONS

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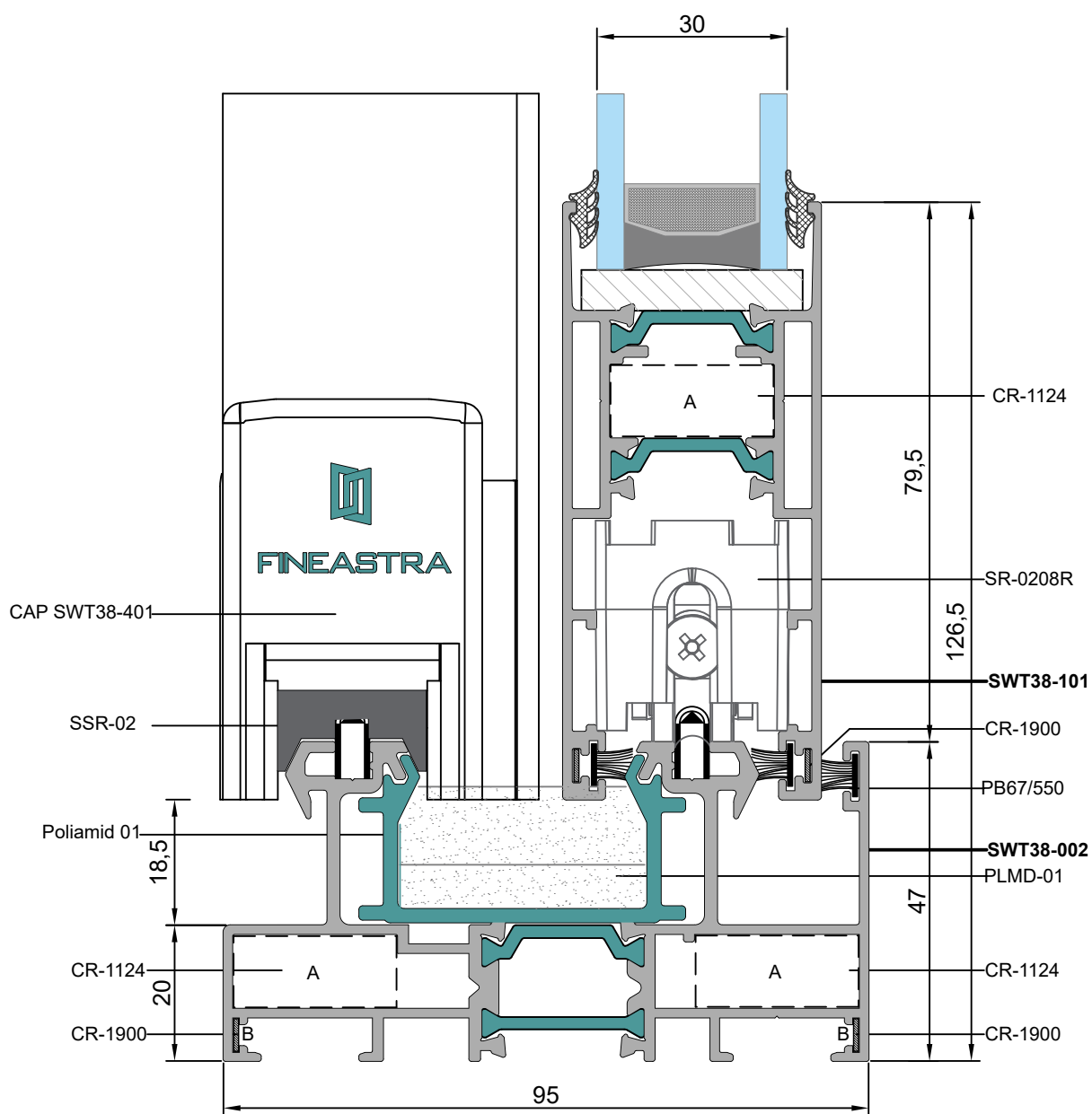
SWT38
THERMO SLIDING SYSTEM

SECTIONS

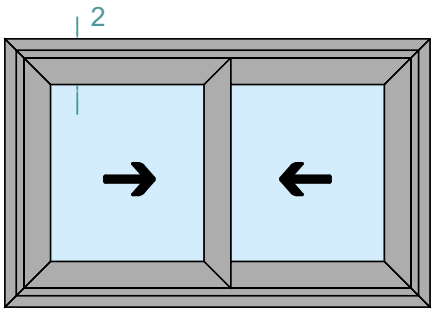




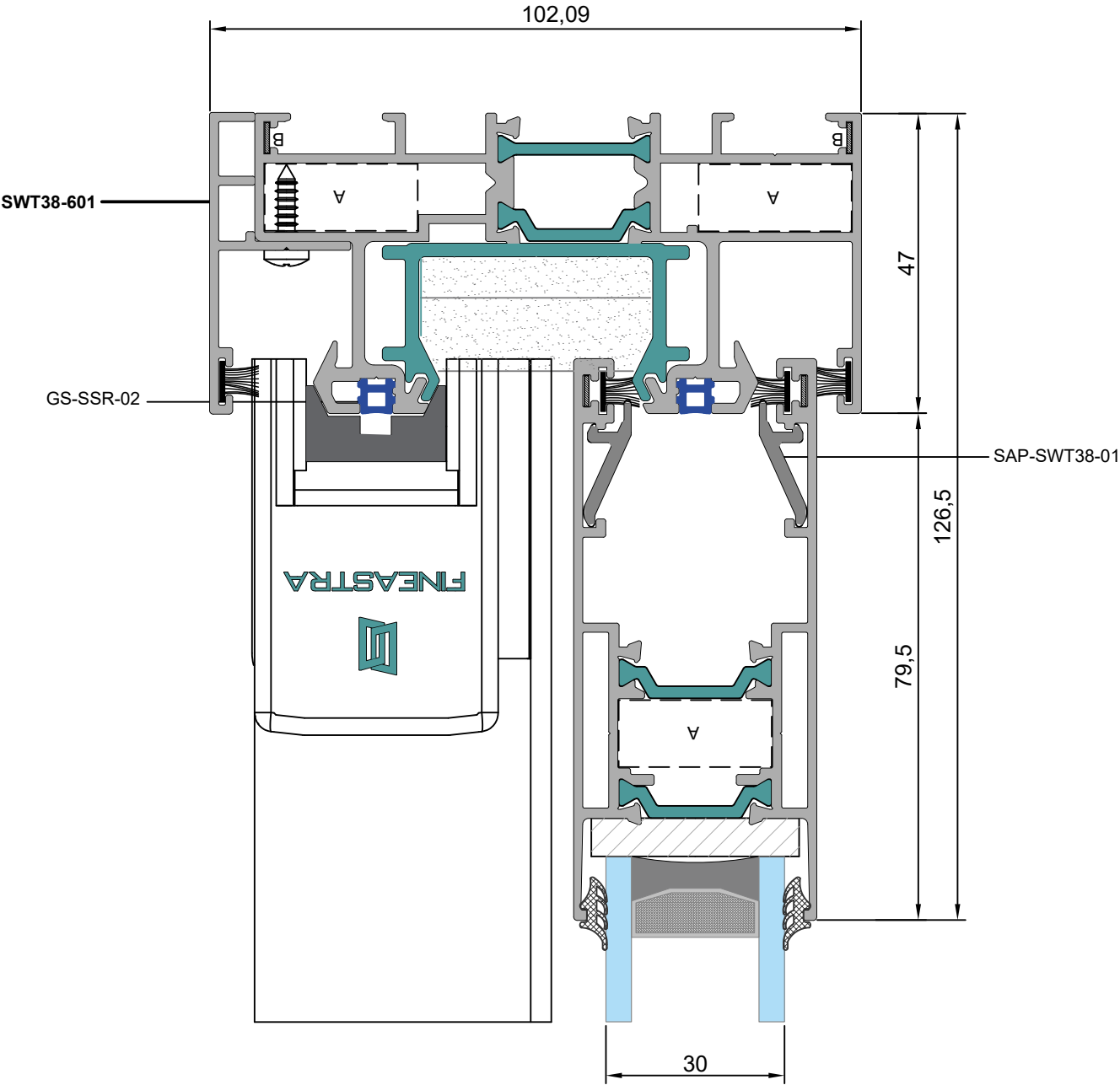
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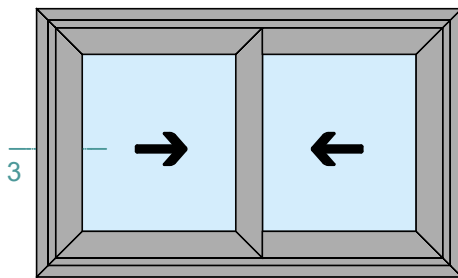


SECTIONS

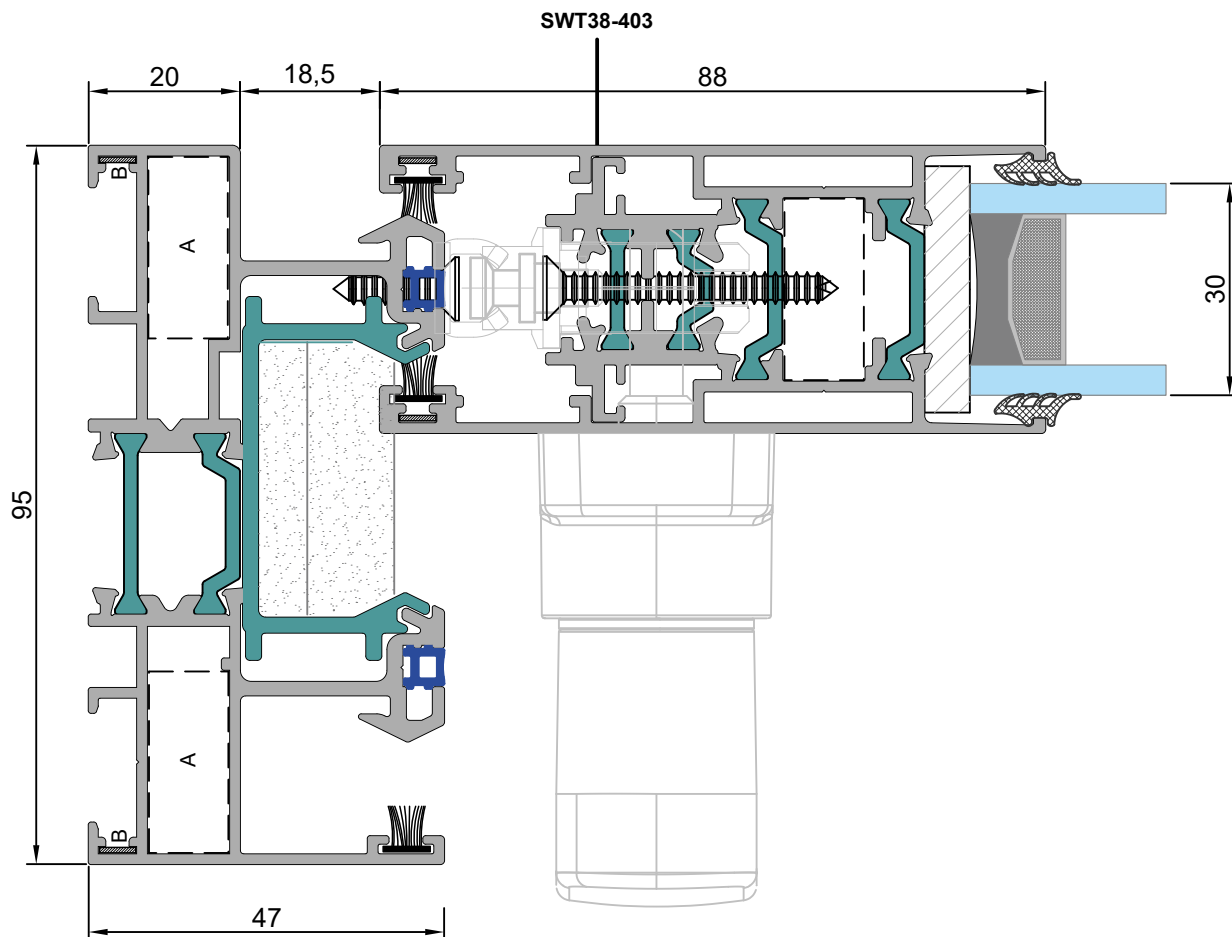


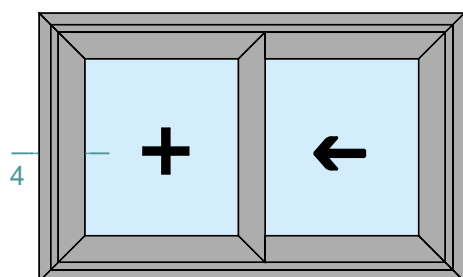
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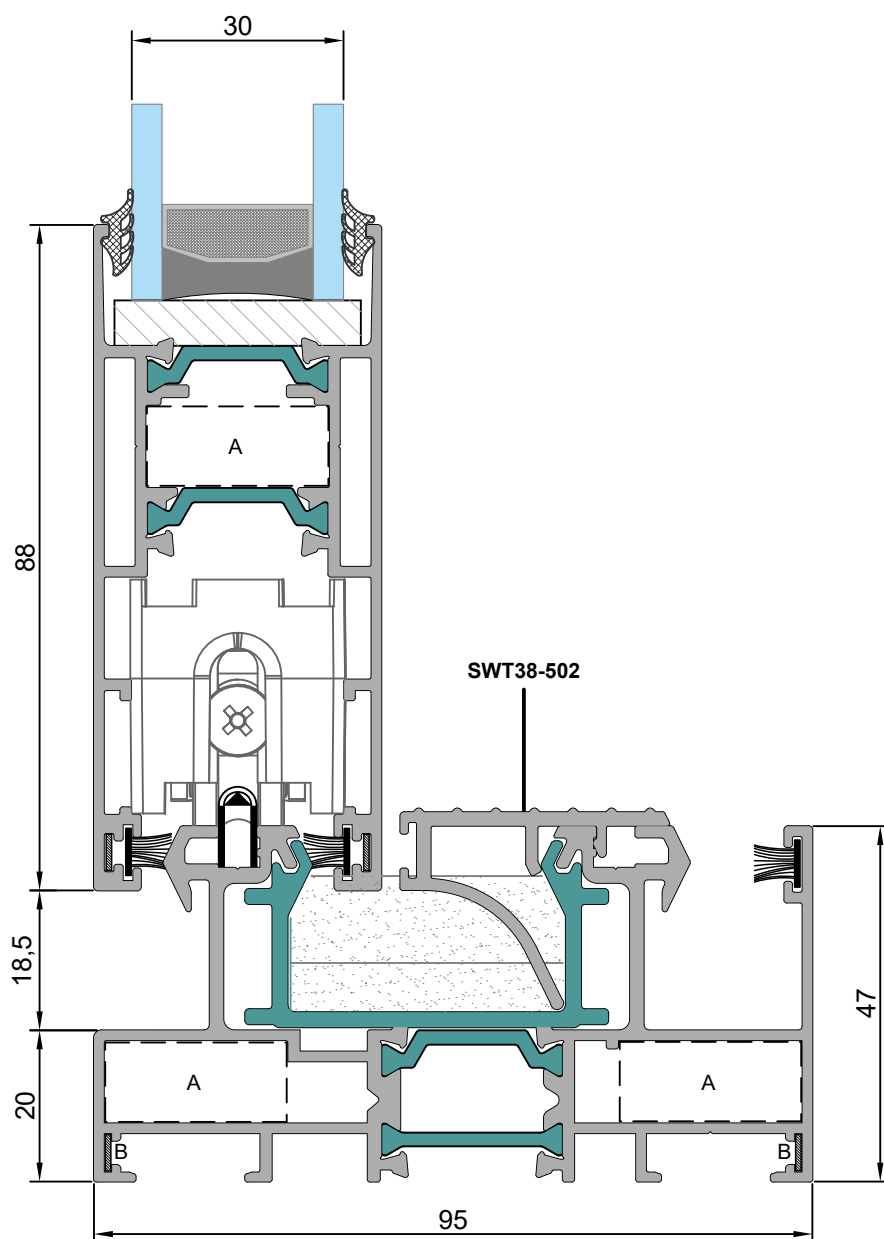


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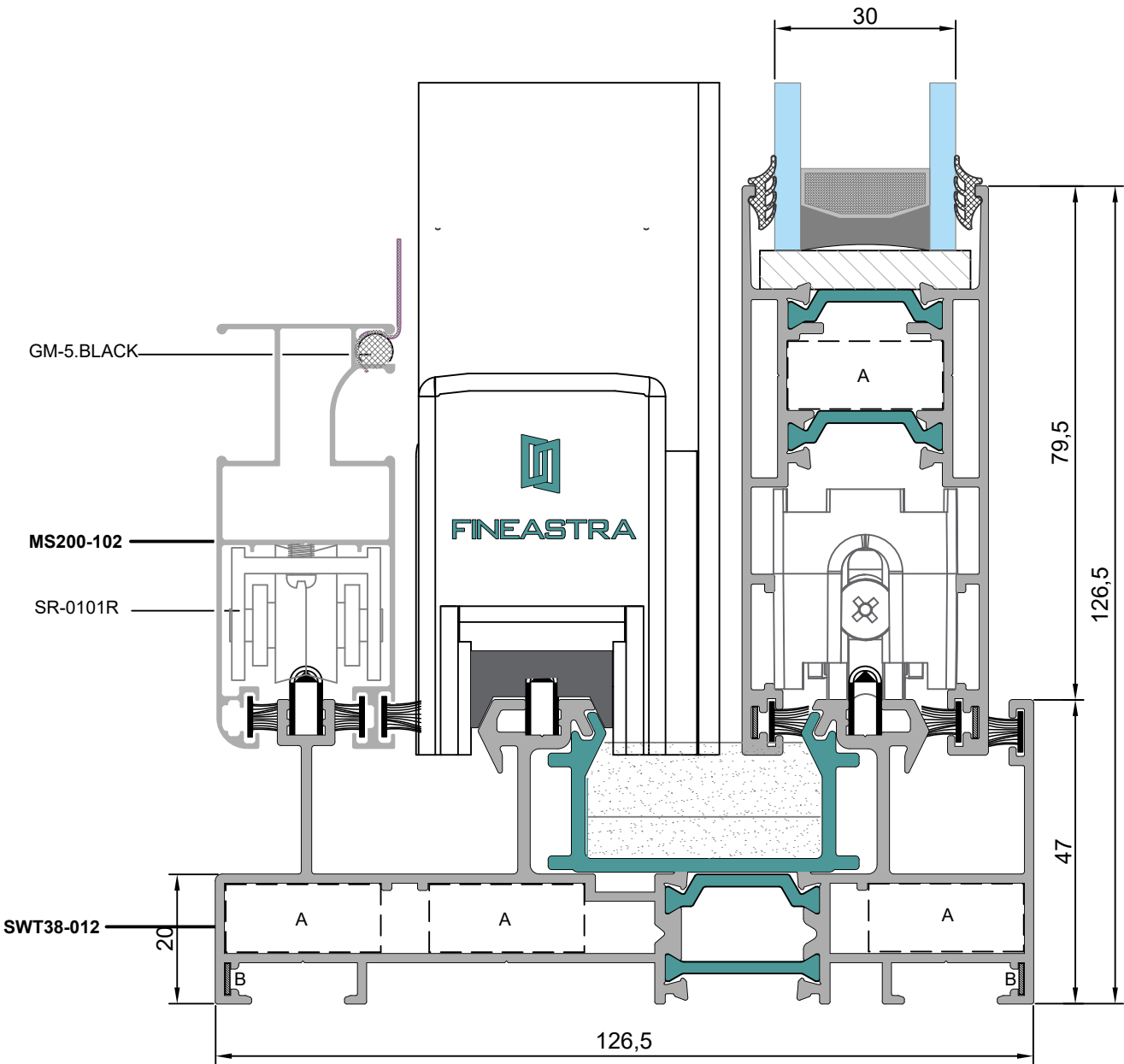
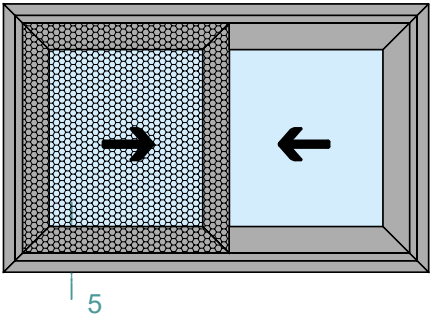


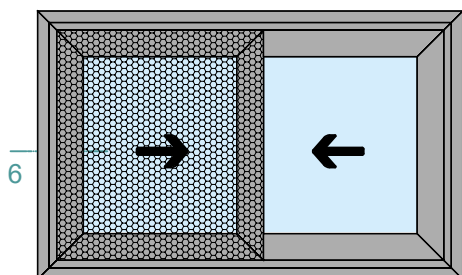
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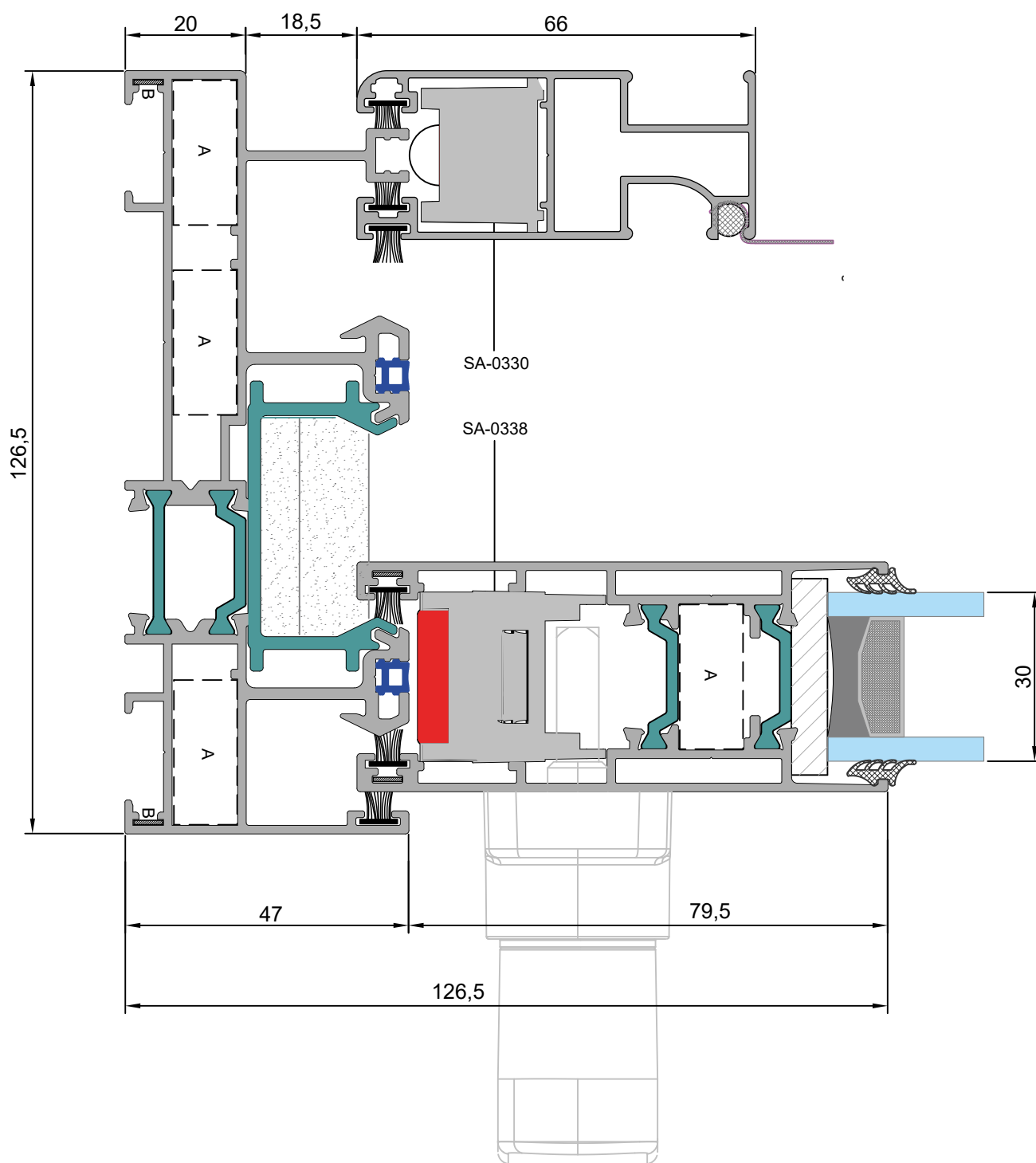
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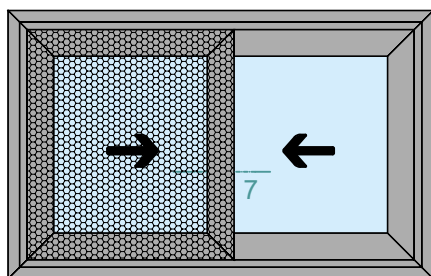
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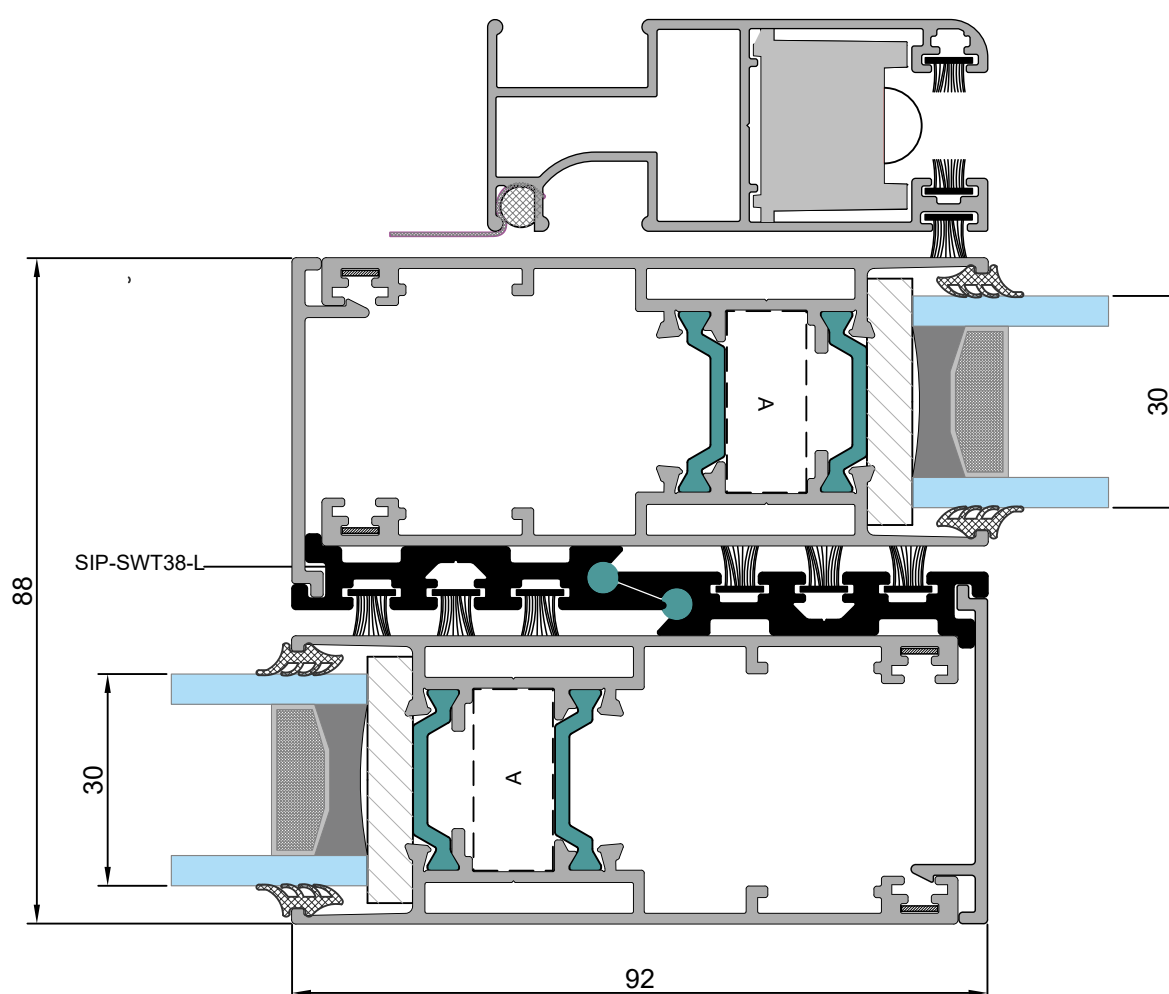


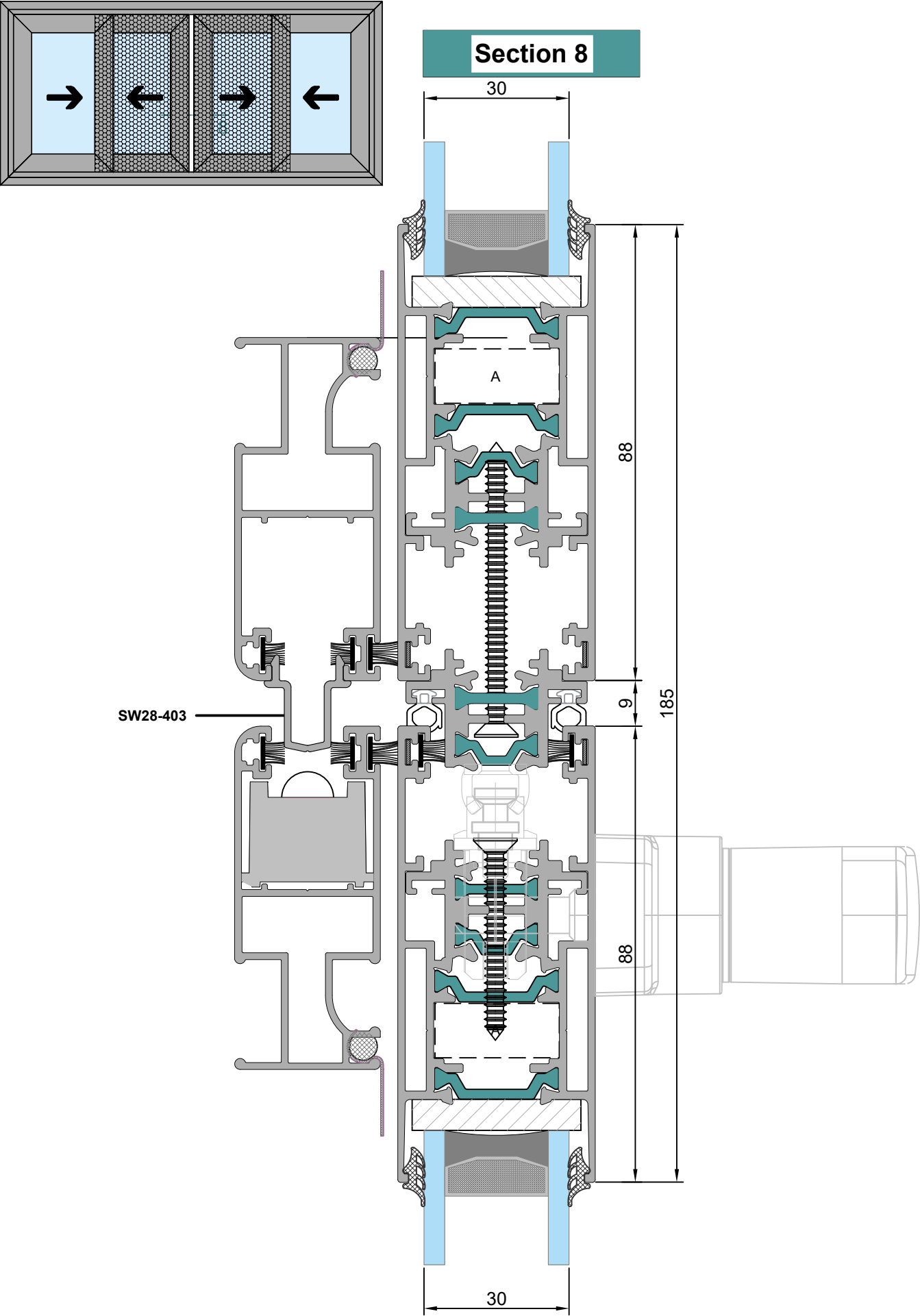
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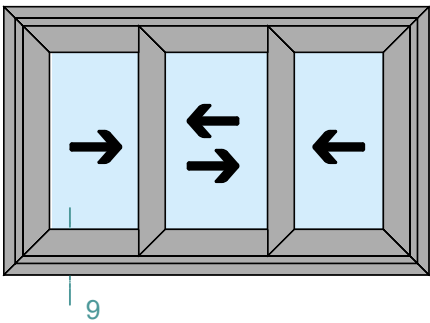




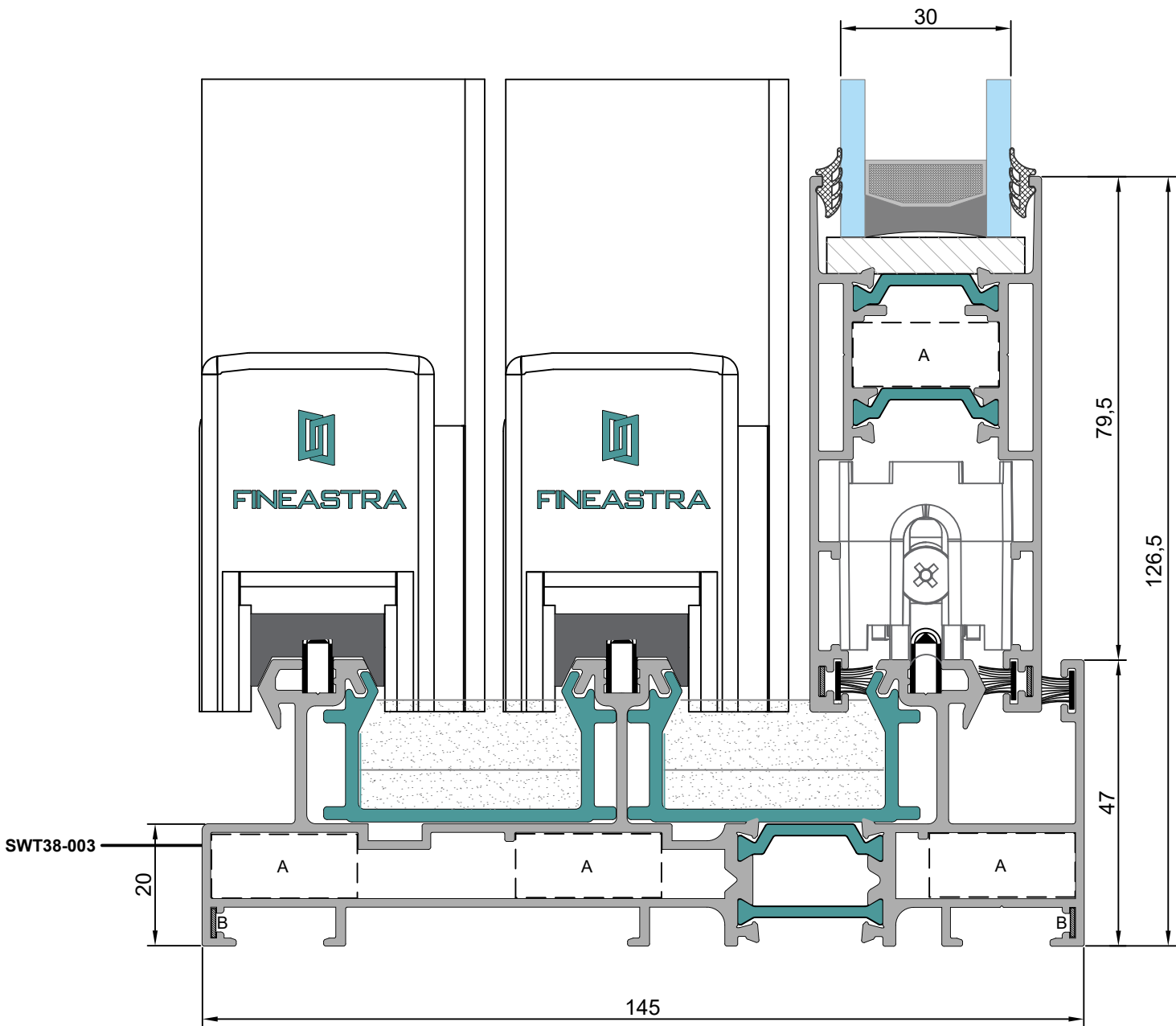
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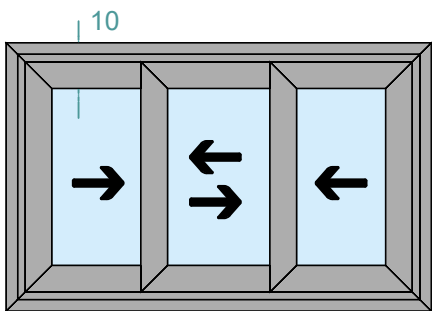




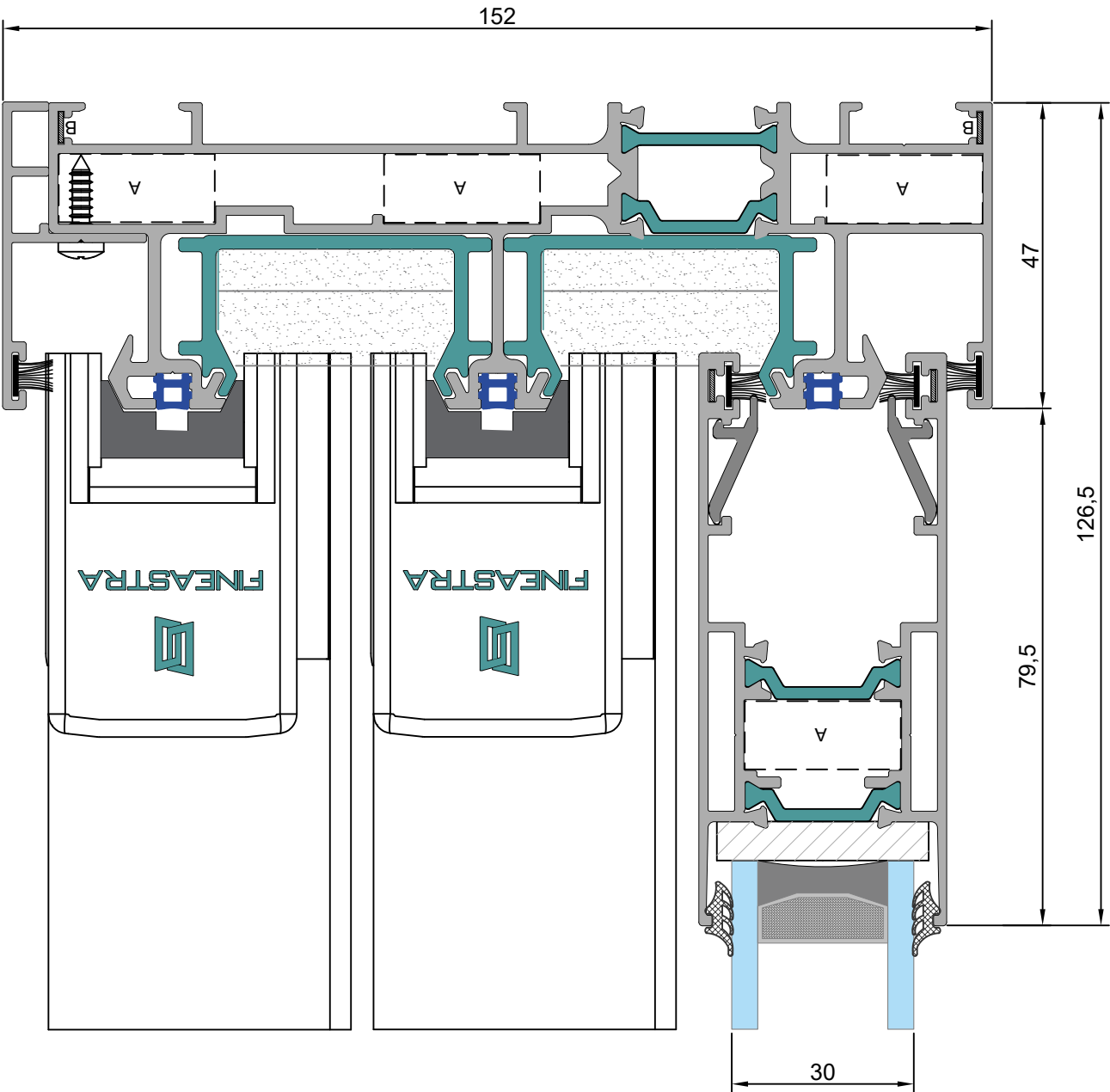
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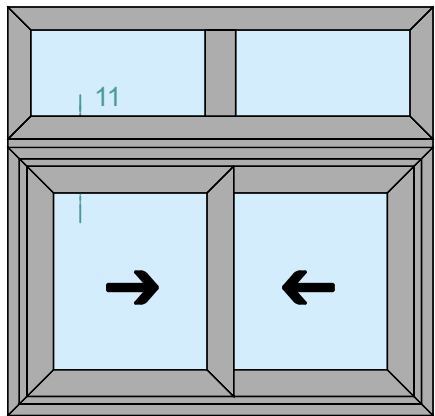
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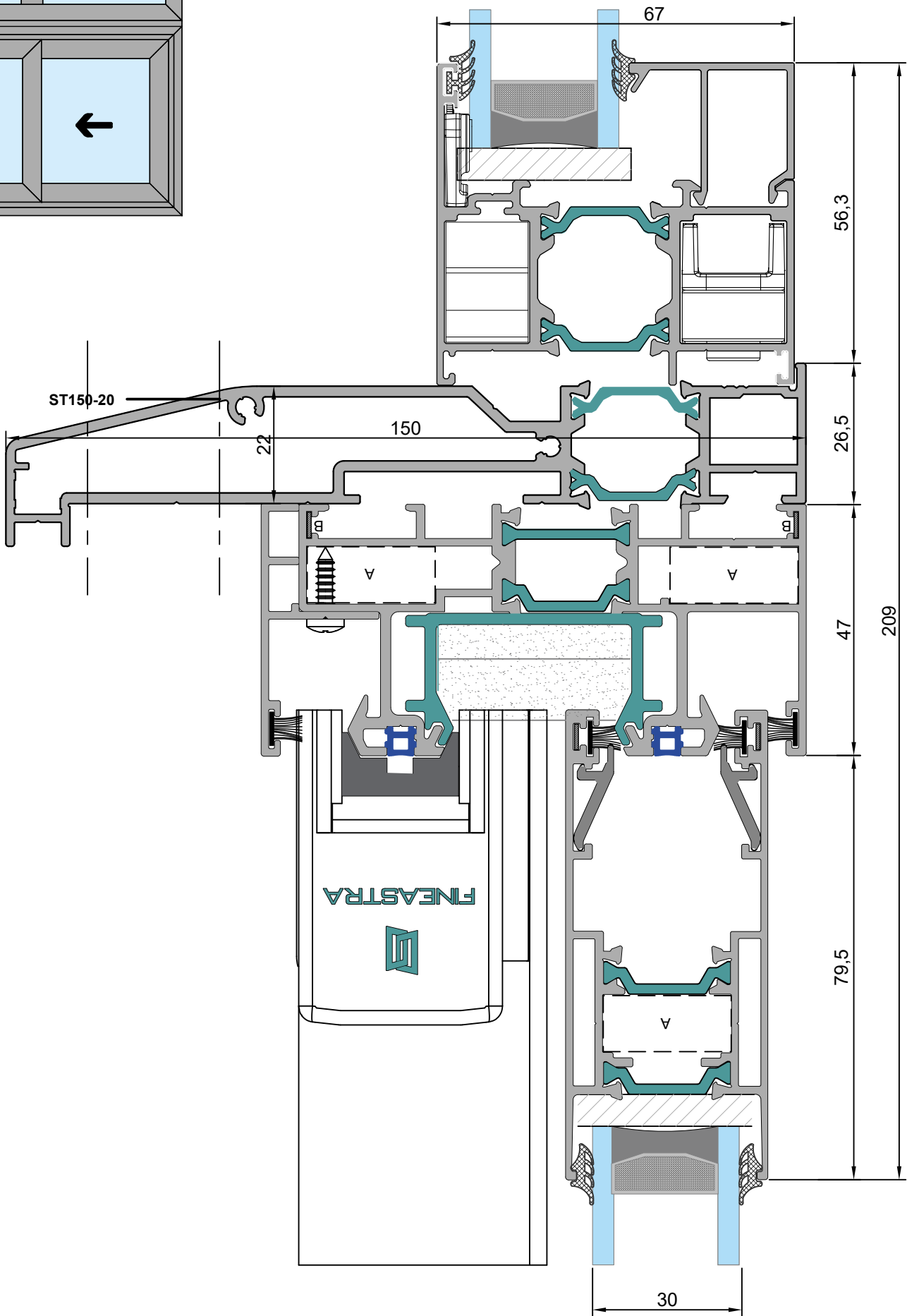
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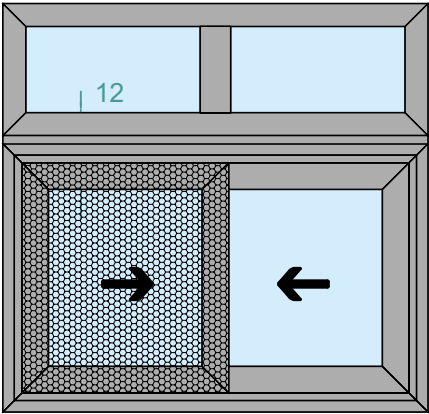
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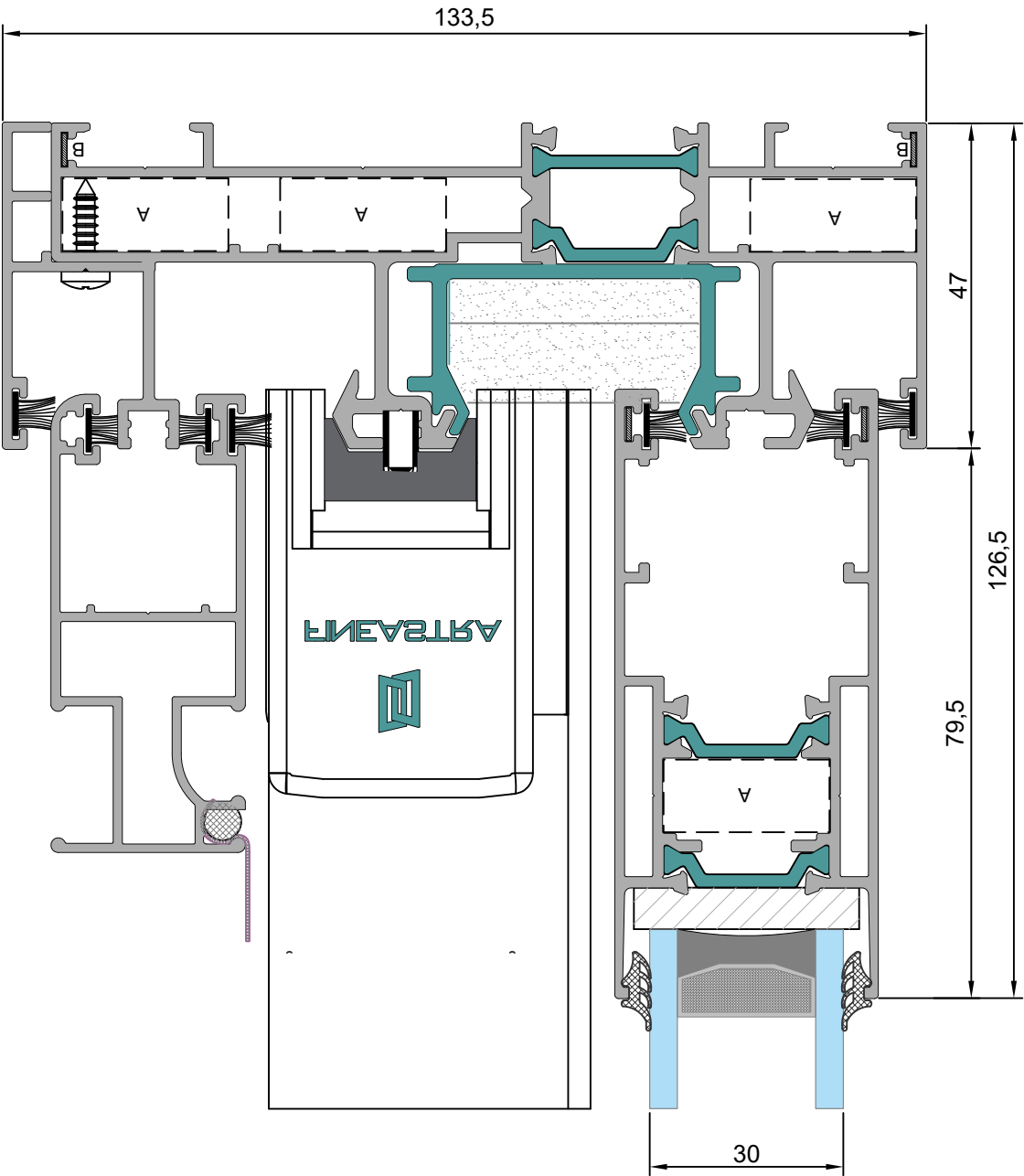
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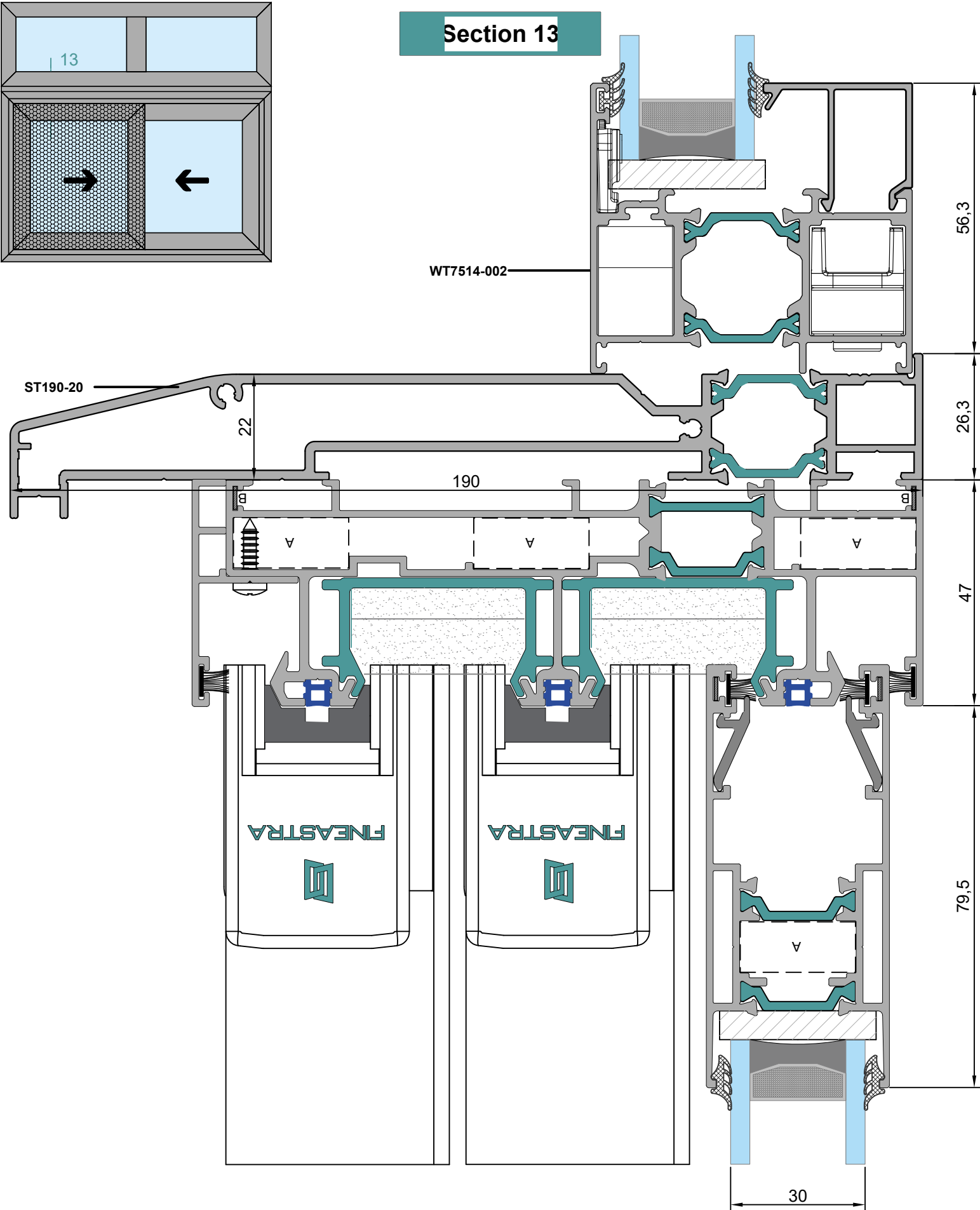
SECTIONS



Section 12



SECTIONS



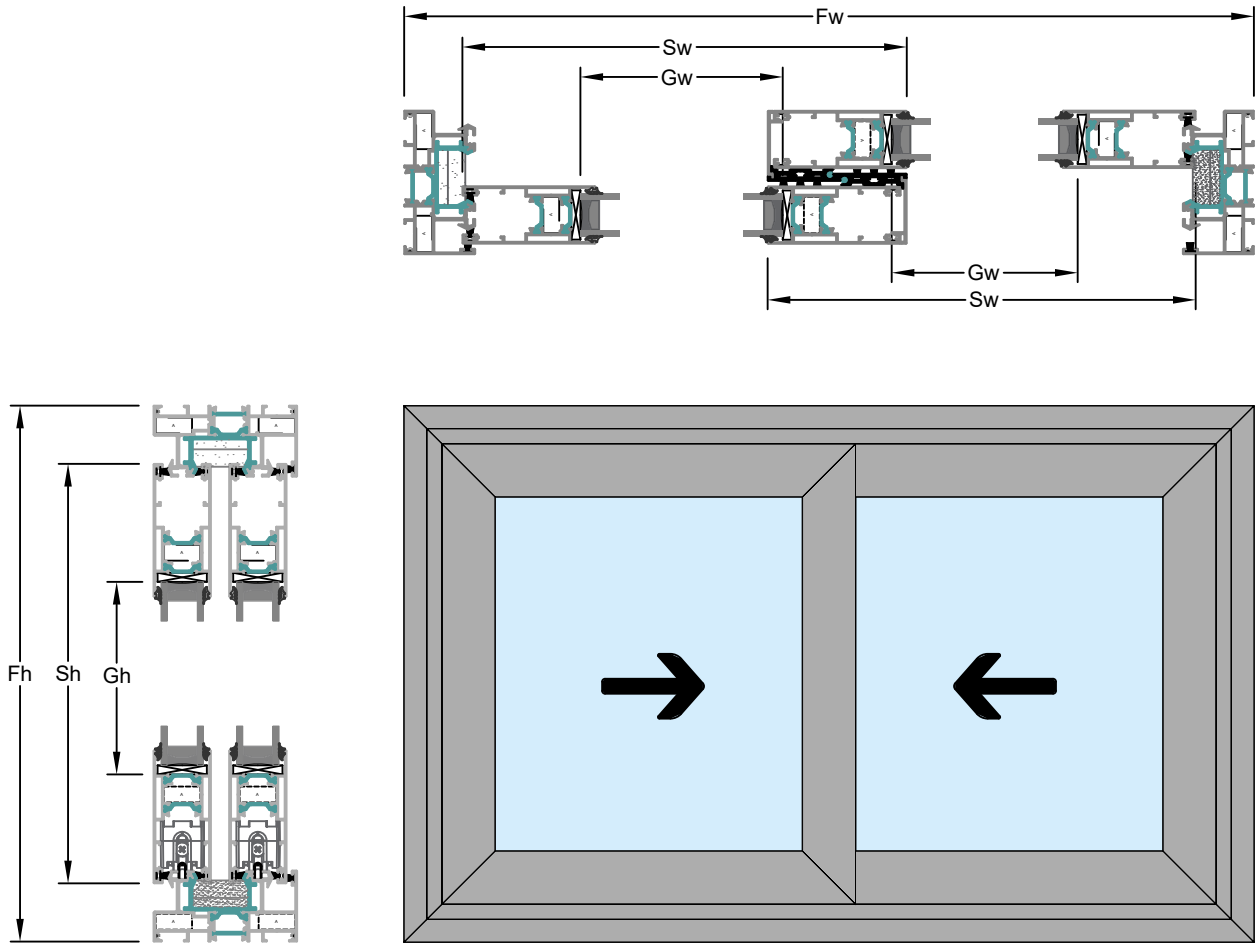


CUTTING LISTS

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SWT38
THERMO SLIDING SYSTEM

CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SWT38-002		Horizontal Frame Profile and U channel		Fw	2	-
SWT38-002		Vertical Frame Profile and U channel		Fh	2	-
SWT38-102		Horizontal Sash Profile		$Sw=(Fw+7)/2$	4	-
SWT38-102		Vertical Sash Profile		$Sh= Fh-77$	4	-
SWT38-401		Middle Sash Profile		Sh-94	2	-
SIP-SWT38-L		Central Locking Profile		Sh	2	-

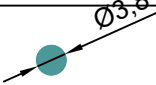
CUTTING LISTS

GLASS CUTTING

CONSUMABLE

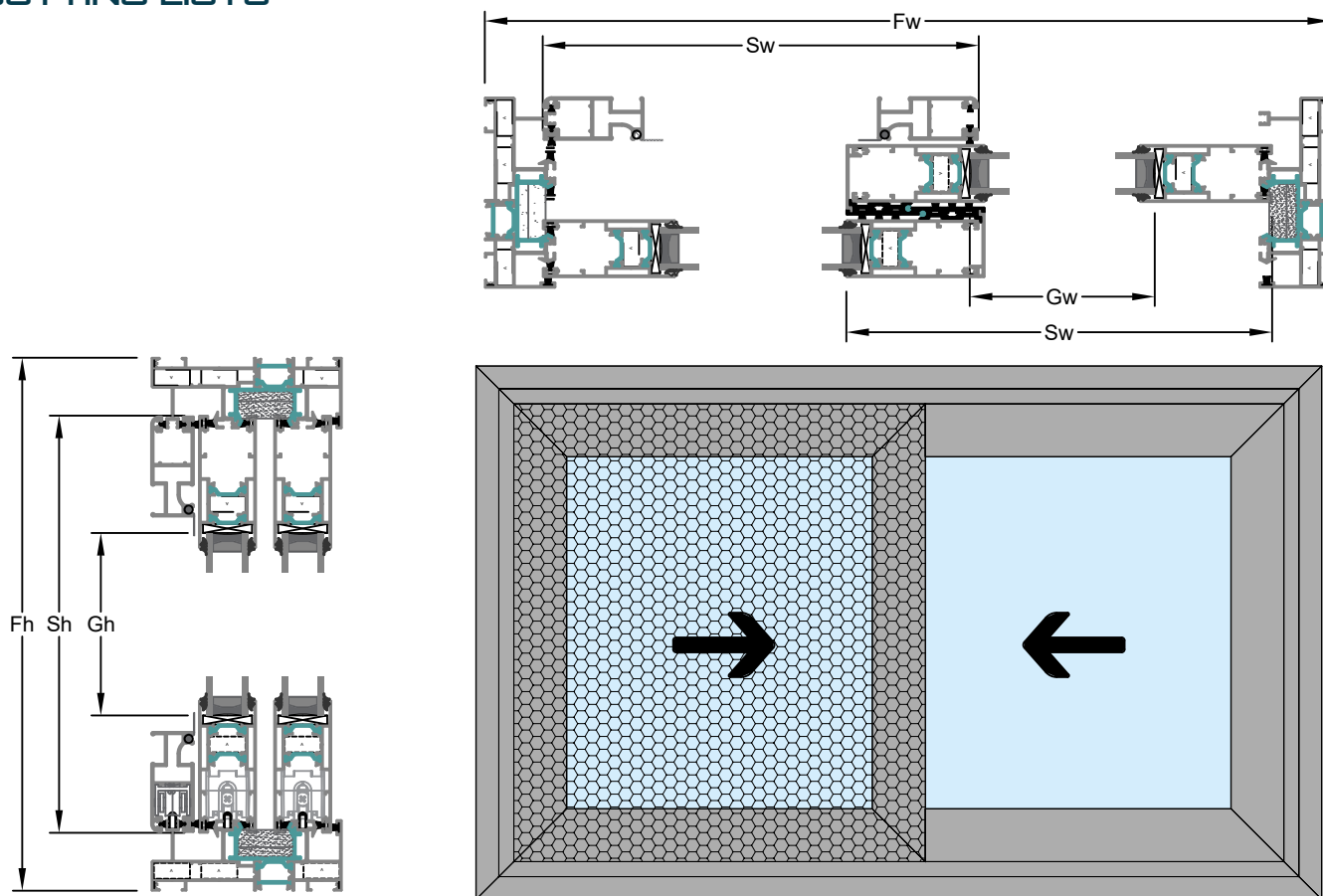
Gw= Sw - 156 mm		2
Gh= Sh - 156 mm		

GASKETS

		Accessory Picture	Quantity
FOR FRAME	PB67/550		2Fw+2Fh
	GS-SSR-02		2Fw+4Fh
FOR SASH	PB67/550		8 Sw+10 Sh
	Gasket Outside		4Sw+4Sh
	Gasket Inside		4Sw+4Sh
	GS-Q4-F		2Sh

		Accessory Picture	Description	Quantity
CAP SWT38-401	SR-0208R		Rail Roller	4
	SA-0338		Clamping Accesssoies Set	2
	SSR-02		Sash Stoper	2
	SAP-SWT38-01		Stainless Rail	Fw-84 mm
	PLMD-01		Sash Guide Plastics	8 Pieces ≤1000mm≤ 12 Pieces
			Weather Strip Set	1 Set
FOR FRAME	KT-106-024		For <u>Frame</u> Corner Joint	8
	CR-1124	or 	For <u>Frame</u> Corner Joint	8
	CR-1900		For <u>Frame</u> Corner Joint	8
	CR-1124		For <u>Sash</u> Corner Joint	4
FOR SASH	CR-1120	or 	For <u>Sash</u> Corner Joint	4
	CR-1900		For <u>Sash</u> Corner Joint	16
	CR-1800	or 	For <u>Sash</u> Corner Joint	16

CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SIP-SWT38-L SWT38-401 MS200-102 SWT38-102 SWT38-012 SWT38-012		Horizontal Frame Profile and U channel		Fw	2	-
		Vertical Frame Profile and U channel		Fh	2	-
		Horizontal Sash Profile		$Sw=(Fw+7)/2$	4	-
		Vertical Sash Profile		$Sh= Fh-77$	4	-
		Horizontal Sash Profile		$Sw=(Fw+7)/2$	2	-
		Vertical Sash Profile		$Sh= Fh-77$	2	-
		Middle Sash Profile		Sh-94	2	-
		Central Locking Profile		Sh	1	-

CUTTING LISTS

GLASS CUTTING

Gw= Sw - 156 mm		2
Gh= Sh - 156 mm		

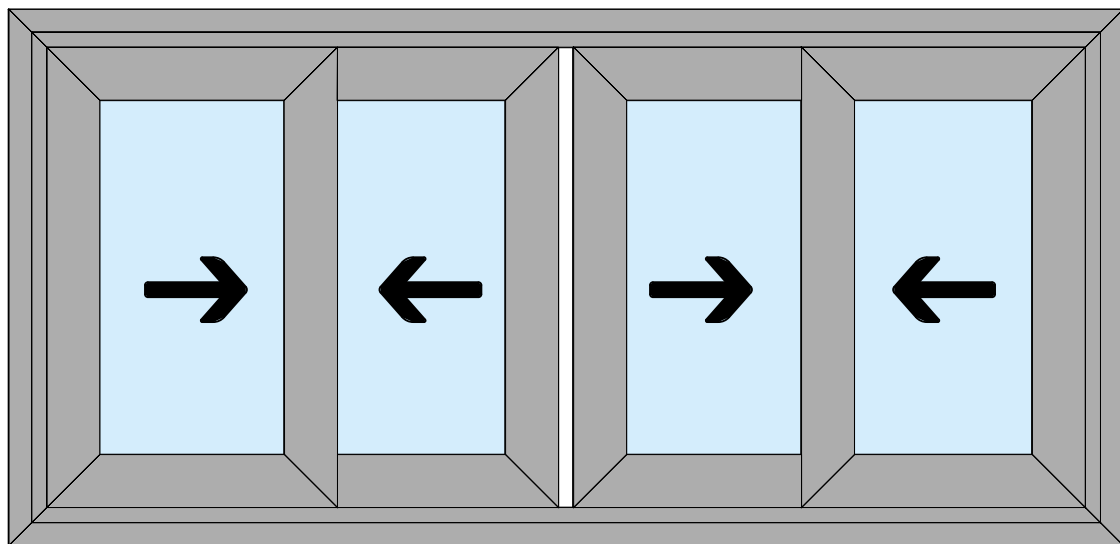
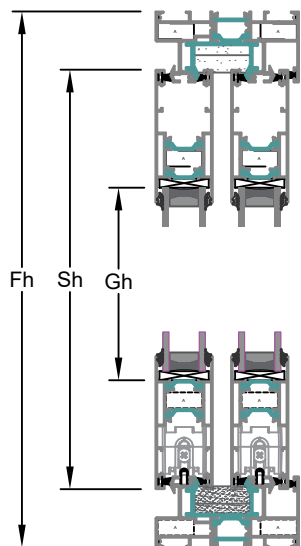
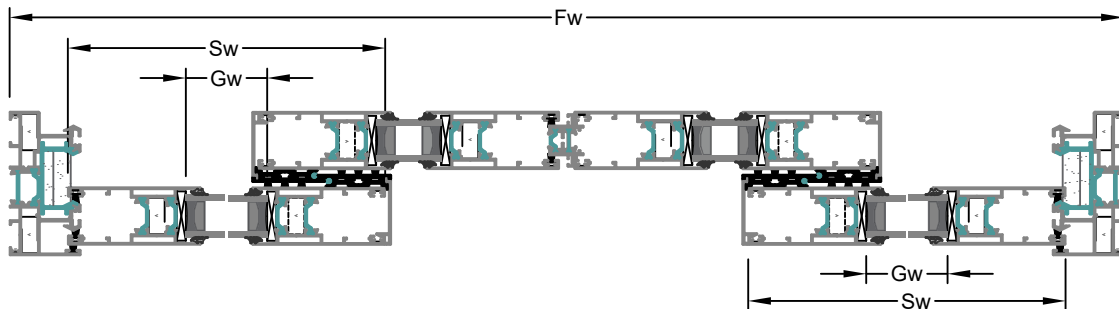
GASKETS

	Accessory Picture	Quantity
FOR FRAME	PB67/550	2Fw+2Fh
	GS-SSR-02	2Fw+4Fh
FOR SASH	PB67/550	8 Sw+10 Sh
	Gasket Outside	4Sw+4Sh
	Gasket Inside	4Sw+4Sh
	GS-Q4-F	2Sh
FOR MOSQUITO	PB67/550	6 Sw+6 Sh
	GM-5. BLACK	1 Sw+1 Sh

CONSUMABLE

	Accessory Picture	Description	Quantity
CAP SWT38-401	SR-0208R	Rail Roller	4
		Clamping Accessories Set	2
	SA-0338	Sash Stoper	2
	SSR-02	Stainless Rail	Fw-84 mm
	SAP-SWT38-01	Sash Guide Plastics	8 Pieces ≤1000mm ≤ 12 Pieces
	PLMD-01	Weather Strip Set	1 Set
FOR FRAME	KT-106-024	For <u>Frame</u> Corner Joint	8
	CR-1124	For <u>Frame</u> Corner Joint	8
	CR-1900	For <u>Frame</u> Corner Joint	8
FOR SASH	CR-1124	For <u>Sash</u> Corner Joint	8
	CR-1120	For <u>Sash</u> Corner Joint	8
	CR-1900	For <u>Sash</u> Corner Joint	16
	CR-1800	For <u>Sash</u> Corner Joint	16
	SR-0101R	Rail Roller	2
	SA-0330	Mosquito Stoper	2
FOR MOSQUITO	CR-1124	For <u>Sash</u> Corner Joint	4

CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SWT38-002		Horizontal Frame Profile and U channel		Fw	2	-
SWT38-002		Vertical Frame Profile and U channel		Fh	2	-
SWT38-102		Horizontal Sash Profile		$Sw = (Fw + 82) / 4$	8	-
SWT38-102		Vertical Sash Profile		$Sh = Fh - 77$	8	-
SWT38-401		Middle Sash Profile		Sh-94	4	-
SWT38-L		Central Locking Profile		Sh	4	-
SWT38-403		Adjoining Profile		Sh-70	1	-

CUTTING LISTS

GLASS CUTTING

Gw= Sw - 156 mm		4
Gh= Sh - 156 mm		

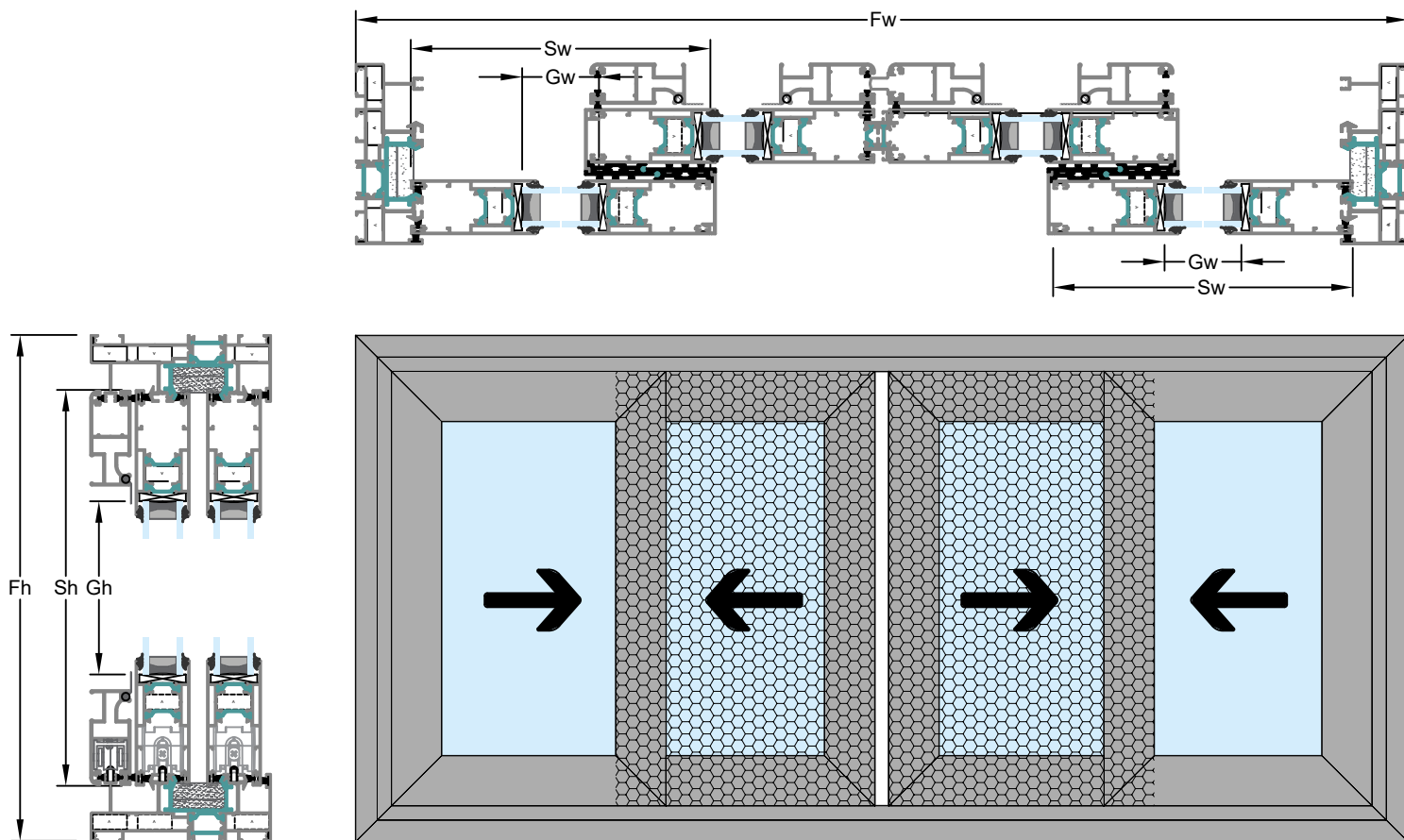
GASKETS

	Accessory Picture	Quantity
FOR FRAME	PB67/550	2Fw+2Fh
	GS-SSR-02	2Fw+4Fh
FOR SASH	PB67/550	16 Sw+20 Sh
	Gasket Outside	8Sw+8Sh
	Gasket Inside	8Sw+8Sh
	GS-Q4-F	4Sh
	GS-304 TPE-F	2Sh

CONSUMABLE

	Accessory Picture	Description	Quantity
CAP	SR-0208R	Rail Roller	8
	SWT38-401	Clamping Accesssoies Set	4
	SA-0338	Sash Stoper	3
	SSR-02	Stainless Rail	Fw-84 mm
	SAP-SWT38-01	Sash Guide Plastics	16 Pieces ≤1000mm≤ 24 Pieces
	PLMD-01	Weather Strip Set	2 Set
FOR FRAME	KT-106-024	For <u>Frame</u> Corner Joint	8
	CR-1124	For <u>Frame</u> Corner Joint	8
	CR-1900	For <u>Frame</u> Corner Joint	8
FOR SASH	CR-1124	For <u>Sash</u> Corner Joint	16
	CR-1120	For <u>Sash</u> Corner Joint	16
	CR-1900	For <u>Sash</u> Corner Joint	32
	CR-1800	For <u>Sash</u> Corner Joint	32
	CR-1800	For <u>Sash</u> Corner Joint	32
	CR-1800	Four <u>Sash</u> Accessories Set	2

CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SWT38-012		Horizontal Frame Profile and U channel		Fw	2	-
SWT38-012		Vertical Frame Profile and U channel		Fh	2	-
SWT38-102		Horizontal Sash Profile		$Sw = (Fw + 82) / 4$	8	-
SWT38-102		Vertical Sash Profile		$Sh = Fh - 77$	8	-
MS200-102		Horizontal Sash Profile		Sw	4	-
MS200-102		Vertical Sash Profile		Sh	4	-
SWT38-401		Middle Sash Profile		Sh-94	4	-
SIP-SWT38-L		Central Locking Profile		Sh	4	
SWT38-403		Adjoining Profile		Sh-70	1	
SW28-403		For Mosquito Adjoining Profile		Sh-20	1	

CUTTING LISTS

GLASS CUTTING

CONSUMABLE

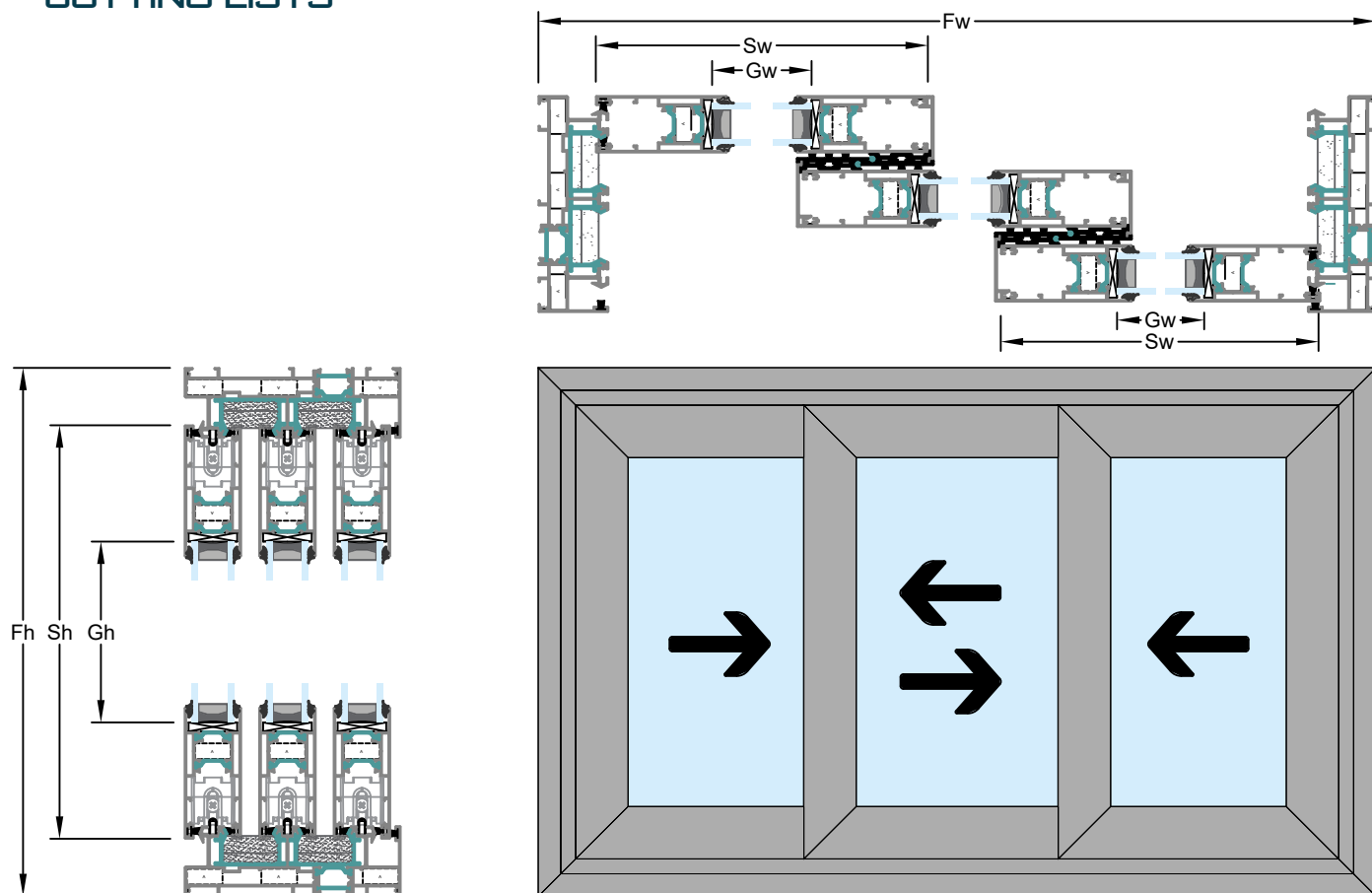
Gw= Sw - 156 mm		4
Gh= Sh - 156 mm		

GASKETS

	Accessory Picture	Quantity
FOR FRAME		2Fw+2Fh
		2Fw+4Fh
FOR SASH		16 Sw+20 Sh
		8Sw+8Sh
		8Sw+8Sh
		4Sh
		2Sh
FOR MOSQUITO		12 Sw+10 Sh
		2 Sw+2 Sh

	Accessory Picture	Description	Quantity
FOR FRAME		Rail Roller	8
		Clamping Accesssoies Set	4
		Sash Stoper	3
		Stainless Rail	Fw-84 mm
		Sash Guide Plastics	16 Pieces ≤1000mm ≤ 24 Pieces
		Weather Strip Set	2 Set
FOR SASH		For <u>Frame</u> Corner Joint	8
	or 	For <u>Frame</u> Corner Joint	8
		For <u>Frame</u> Corner Joint	8
		For <u>Sash</u> Corner Joint	16
	or 	For <u>Sash</u> Corner Joint	16
		For <u>Sash</u> Corner Joint	32
FOR MOSQUITO	or 	For <u>Sash</u> Corner Joint	32
		Four <u>Sash</u> Accessories Set	2
		Rail Roller	4
		Mosquito Stoper	3
		For <u>Sash</u> Corner Joint	4

CUTTING LISTS



PROFILES

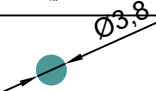
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SWT38-003		Horizontal Frame Profile and U channel		Fw	2	-
SWT38-003		Vertical Frame Profile and U channel		Fh	2	-
SWT38-102		Horizontal Sash Profile		$Sw = (Fw + 91) / 3$	6	-
SWT38-102		Vertical Sash Profile		$Sh = Fh - 77$	6	-
SWT38-401		Middle Sash Profile		Sh-94	4	-
SIP-SWT38-L		Central Locking Profile		Sh	4	-

CUTTING LISTS

GLASS CUTTING

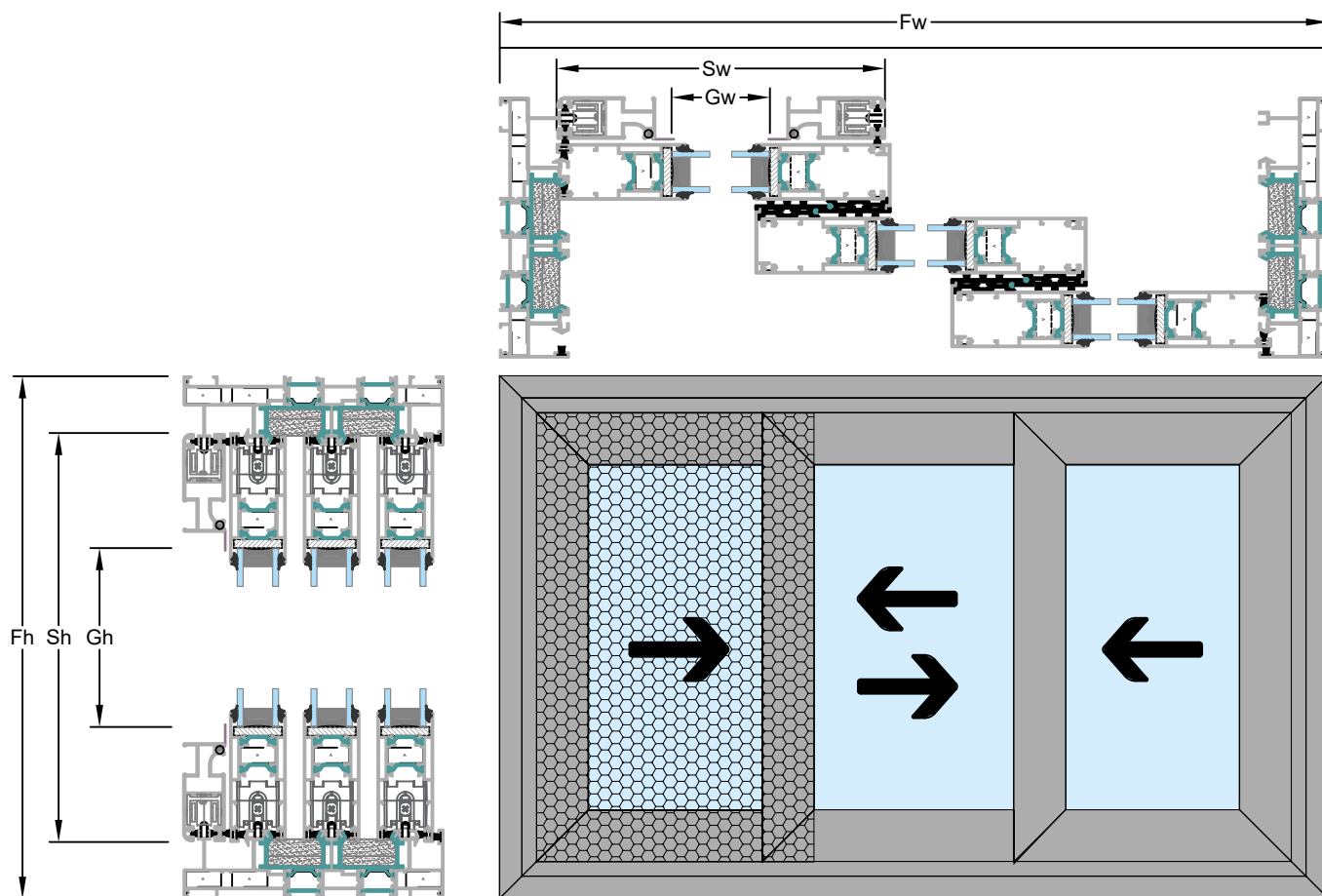
Gw= Sw - 156 mm		3
Gh= Sh - 156 mm		

GASKETS

		Accessory Picture	Quantity
FOR FRAME	PB67/550		2Fw+2Fh
	GS-SSR-02		3Fw+6Fh
FOR SASH	PB67/550		12 Sw+16 Sh
	Gasket Outside		6Sw+6Sh
	Gasket Inside		6Sw+6Sh
	GS-Q4-F		4Sh

CONSUMABLE

		Accessory Picture	Description	Quantity
CAP SWT38-401	SR-0208R		Rail Roller	6
	SA-0338		Sash Stopper	2
	SSR-02		Stainless Rail	Fw-84 mm
	SAP-SWT38-01		Sash Guide Plastics	12 Pieces ≤1000mm ≤ 18 Pieces
	PLMD-01		Weather Strip Set	2 Set
	KT-106-024		For <u>Frame</u> Corner Joint	12
FOR FRAME	CR-1124		For <u>Frame</u> Corner Joint	12
	CR-1900		For <u>Frame</u> Corner Joint	8
	CR-1124		For <u>Sash</u> Corner Joint	12
	CR-1120		For <u>Sash</u> Corner Joint	12
	CR-1900		For <u>Sash</u> Corner Joint	24
	CR-1800		For <u>Sash</u> Corner Joint	24



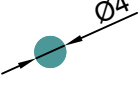
PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SIP-SWT38-L SWT38-401 MS200-102 MS200-102 SWT38-102 SWT38-013 SWT38-013		Horizontal Frame Profile and U channel		Fw	2	-
		Vertical Frame Profile and U channel		Fh	2	-
		Horizontal Sash Profile		$Sw = (Fw + 91) / 3$	6	-
		Vertical Sash Profile		$Sh = Fh - 77$	6	-
		Horizontal Sash Profile		Sw	2	-
		Vertical Sash Profile		Sh	2	-
		Middle Sash Profile		Sh-94	4	-
		Central Locking Profile		Sh	4	-

GLASS CUTTING

Gw= Sw - 156 mm		3
Gh= Sh - 156 mm		

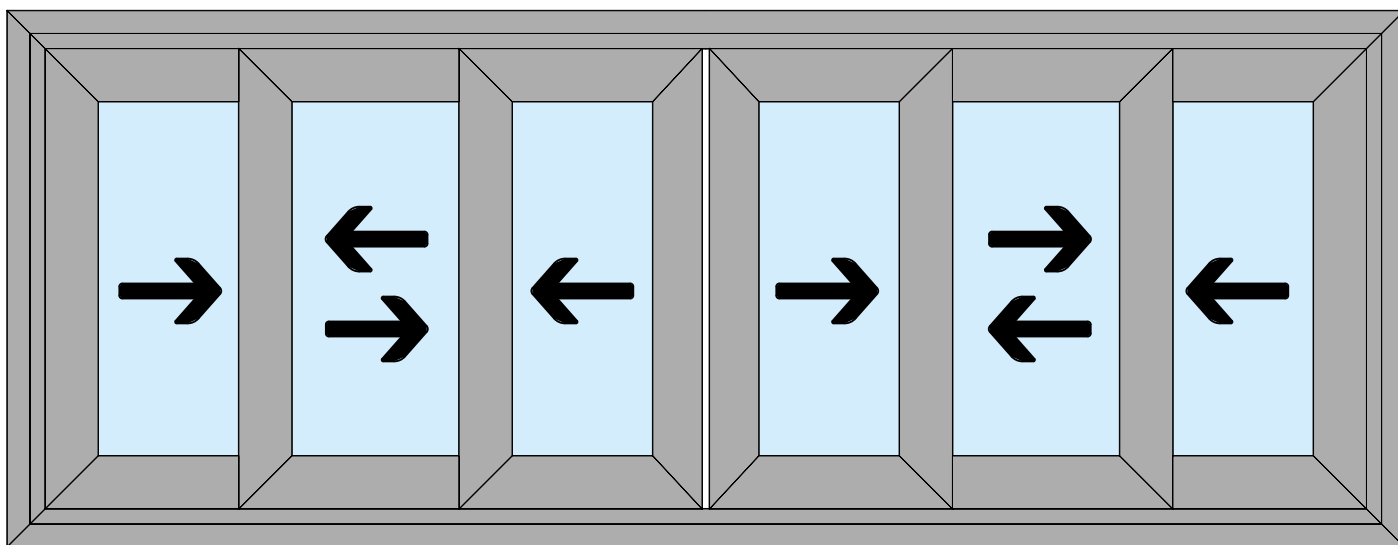
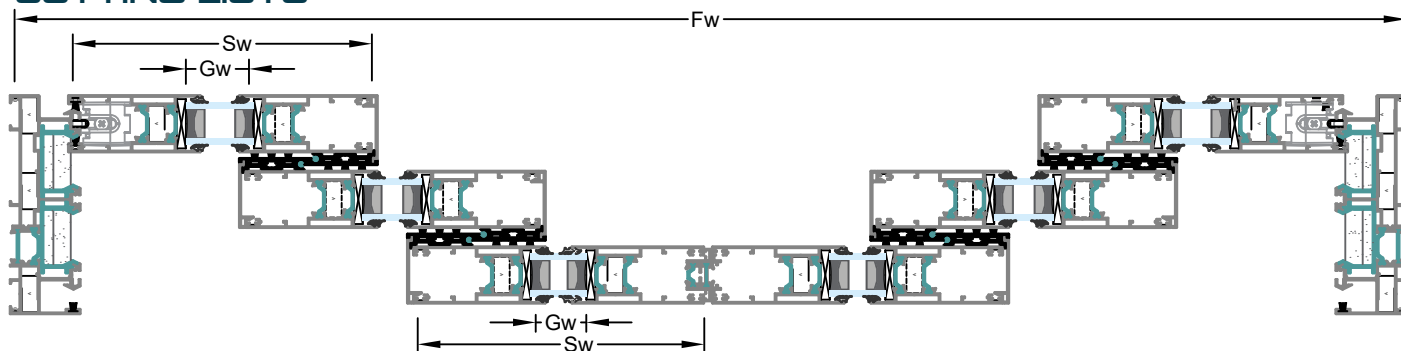
GASKETS

	Accessory Picture	Quantity
FOR FRAME		2Fw+2Fh
		4Fw+8Fh
FOR SASH		12 Sw+16 Sh
		6Sw+6Sh
		6Sw+6Sh
		4Sh
FOR MOSQUITO		12 Sw+10 Sh
		2 Sw+2 Sh

CONSUMABLE

	Accessory Picture	Description	Quantity
CAP		Rail Roller	6
		Clamping Accessories Set	4
		Sash Stoper	2
		Stainless Rail	Fw-84 mm
		Sash Guide Plastics	12 Pieces ≤1000mm ≤ 18 Pieces
		Weather Strip Set	2 Set
FOR FRAME		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	8
FOR SASH		For <u>Sash</u> Corner Joint	12
		For <u>Sash</u> Corner Joint	12
		For <u>Sash</u> Corner Joint	24
		For <u>Sash</u> Corner Joint	24
FOR MOSQUITO		Rail Roller	2
		Mosquito Stoper	2

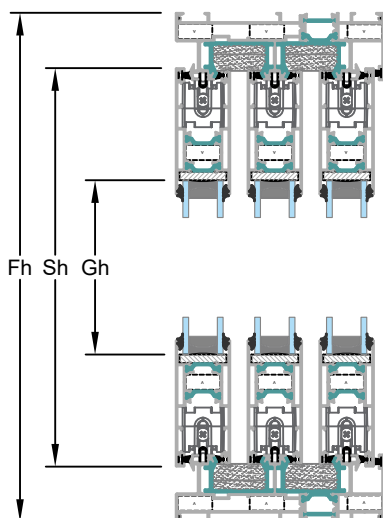
CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SWT38-003		Horizontal Frame Profile and U channel		Fw	2	-
SWT38-003		Vertical Frame Profile and U channel		Fh	2	-
SWT38-102		Horizontal Sash Profile		$Sw = (Fw + 250) / 6$	12	-
SWT38-102		Vertical Sash Profile		$Sh = Fh - 77$	12	-
SWT38-401		Middle Sash Profile		Sh-94	8	-
SIP-SWT38-L		Central Locking Profile		Sh	8	-
SWT38-403		Adjoining Profile		Sh-70	1	-

CONSUMABLE



GLASS CUTTING

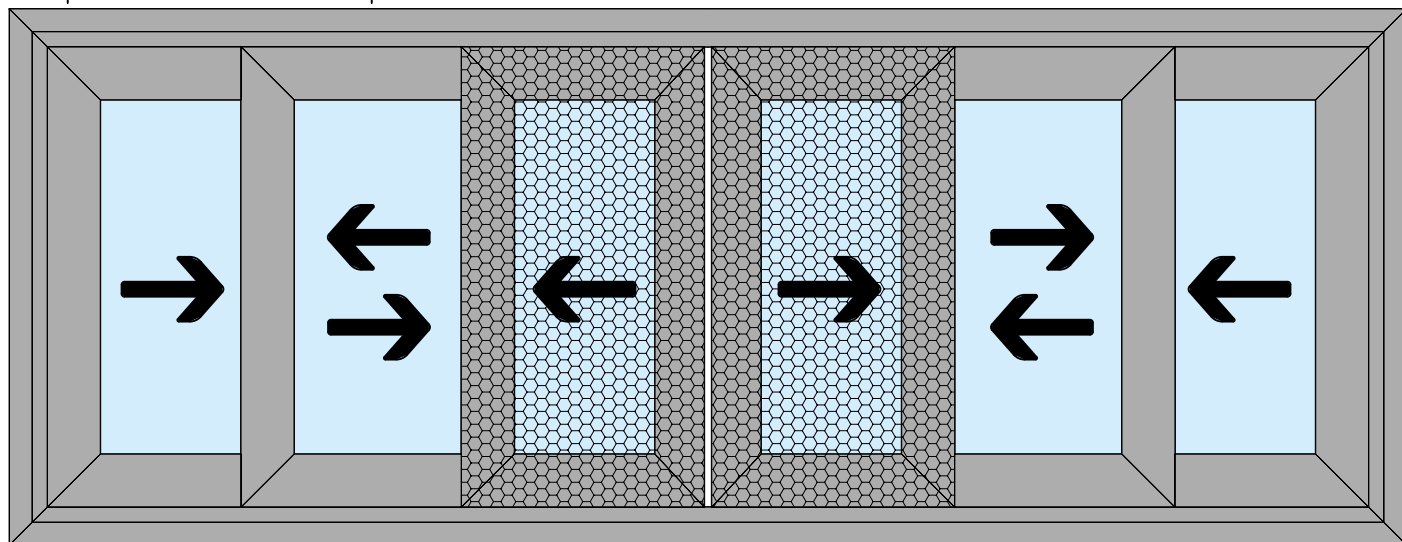
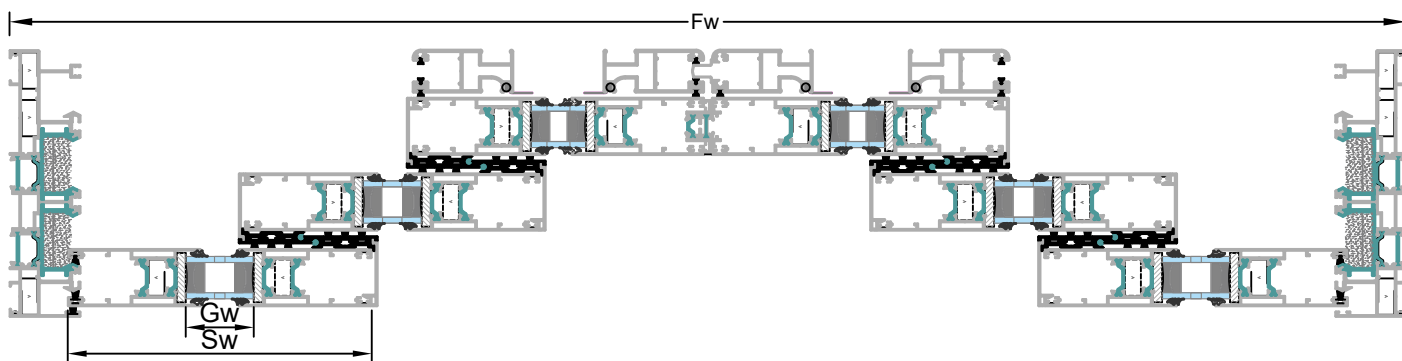
Gw= Sw - 156 mm		6
Gh= Sh - 156 mm		

GASKETS

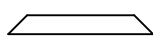
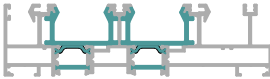
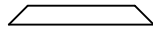
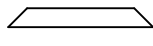
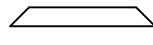
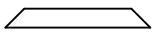
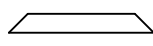
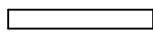
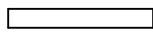
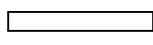
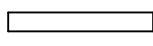
	Accessory Picture	Quantity
FOR FRAME		2Fw+2Fh
		4Fw+8Fh
FOR SASH		24 Sw+30 Sh
		12Sw+12Sh
		12Sw+12Sh
		8Sh
		2Sh

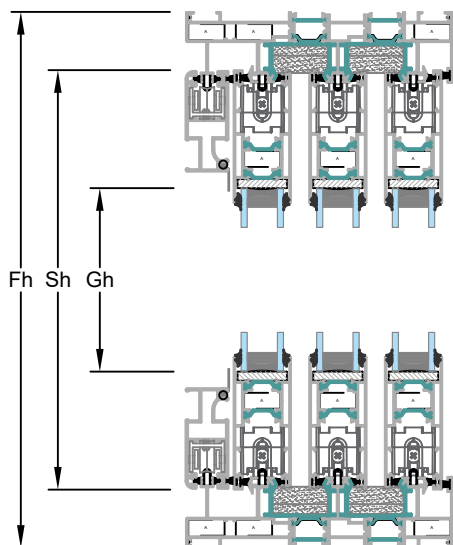
	Accessory Picture	Description	Quantity
CAP		Rail Roller	12
		Clamping Accesssoies Set	8
		Sash Stoper	3
		Stainless Rail	Fw-84 mm
		Sash Guide Plastics	24 Pieces ≤1000mm ≤ 36 Pieces
		Weather Strip Set	4 Set
FOR FRAME		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	8
FOR SASH		For <u>Sash</u> Corner Joint	24
		For <u>Sash</u> Corner Joint	24
		For <u>Sash</u> Corner Joint	42
		For <u>Sash</u> Corner Joint	42
		FoUr <u>Sash</u> Accessories Set	2

CUTTING LISTS



PROFILES

Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
	Horizontal Frame Profile and U channel		Fw	2	-
	Vertical Frame Profile and U channel		Fh	2	-
	Horizontal Sash Profile		$Sw = (Fw + 250) / 6$	12	-
	Vertical Sash Profile		$Sh = Fh - 77$	12	-
	Horizontal Sash Profile		Sw	4	-
	Vertical Sash Profile		Sh	4	-
	Middle Sash Profile		Sh-94	8	-
	Central Locking Profile		Sh	8	-
	Adjoining Profile		Sh-70	1	-
	For Mosquito Adjoining Profile		Sh-20	1	-



GLASS CUTTING

GW= Sw - 156 mm		6
Gh= Sh - 156 mm		

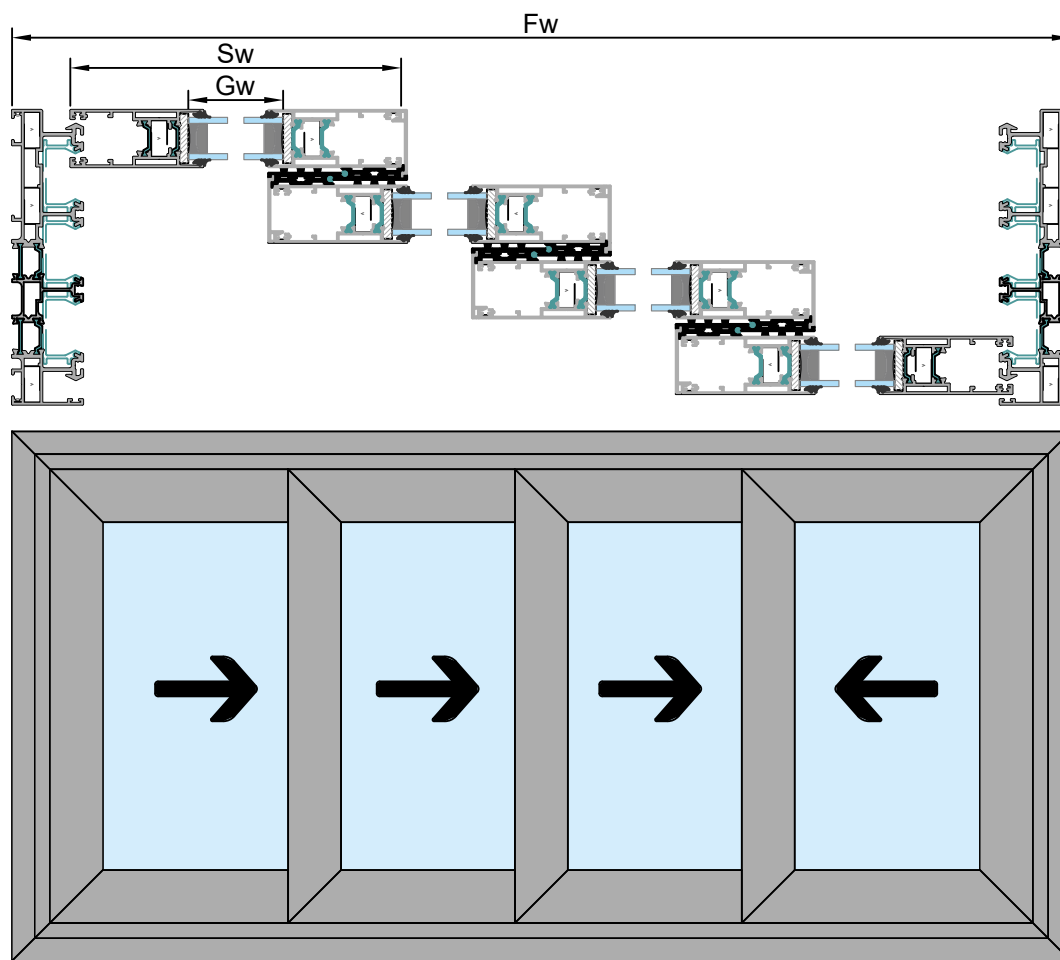
GASKETS

	Accessory Picture	Quantity
FOR FRAME	PB67/550	2Fw+2Fh
	GS-SSR-02	4Fw+8Fh
FOR SASH	PB67/550	24 Sw+30 Sh
	Gasket Outside	12Sw+12Sh
	Gasket Inside	12Sw+12Sh
	GS-Q4-F	8Sh
	GS-304 TPE-F	2Sh
FOR MOSQUITO	PB67/550	12 Sw+10 Sh
	GM-5. BLACK	2 Sw+2 Sh

CONSUMABLE

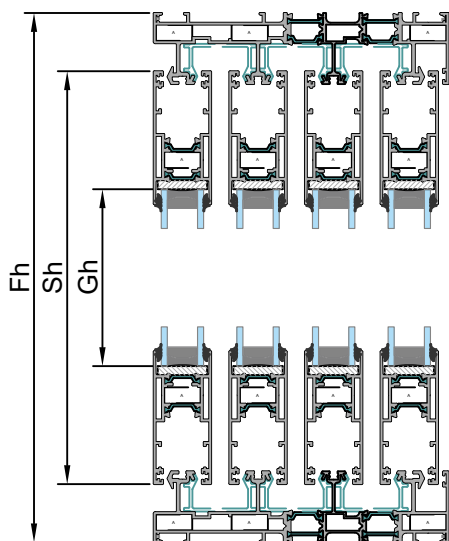
	Accessory Picture	Description	Quantity
CAP	SR-0208R	Rail Roller	12
	SWT38-401	Clamping Accessoles Set	8
	SA-0338	Sash Stoper	3
	SSR-02	Stainless Rail	Fw-84 mm
	SWT38-01	Sash Guide Plastics	24 Pieces ≤1000mm ≤ 36 Pieces
PLMD-01		Weather Strip Set	4 Set
	KT-106-024	For <u>Frame</u> Corner Joint	12
	CR-1124	For <u>Frame</u> Corner Joint	12
	CR-1900	For <u>Frame</u> Corner Joint	8
	CR-1124	For <u>Sash</u> Corner Joint	24
FOR SASH	CR-1120	For <u>Sash</u> Corner Joint	24
	CR-1900	For <u>Sash</u> Corner Joint	42
	CR-1800	For <u>Sash</u> Corner Joint	42
	CAP-SWT38-403	Six <u>Sash</u> Accessories Set	2
	SR-0101R	Rail Roller	4
SA-0330		Mosquito Stoper	3

CUTTING LISTS



PROFILES

	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
SIP-SWT38-L SWT38-401 SWT38-102 SWT38-102 SWT38-004 SWT38-004		Horizontal Frame Profile and U channel		Fw	2	-
		Vertical Frame Profile and U channel		Fh	2	-
		Horizontal Sash Profile		$Sw=(Fw+175)/4$	8	-
		Vertical Sash Profile		$Sh= Fh-77$	8	-
		Middle Sash Profile		Sh-94	6	-
		Central Locking Profile		Sh	6	-



GLASS CUTTING

Gw= Sw - 156 mm		4
Gh= Sh - 156 mm		

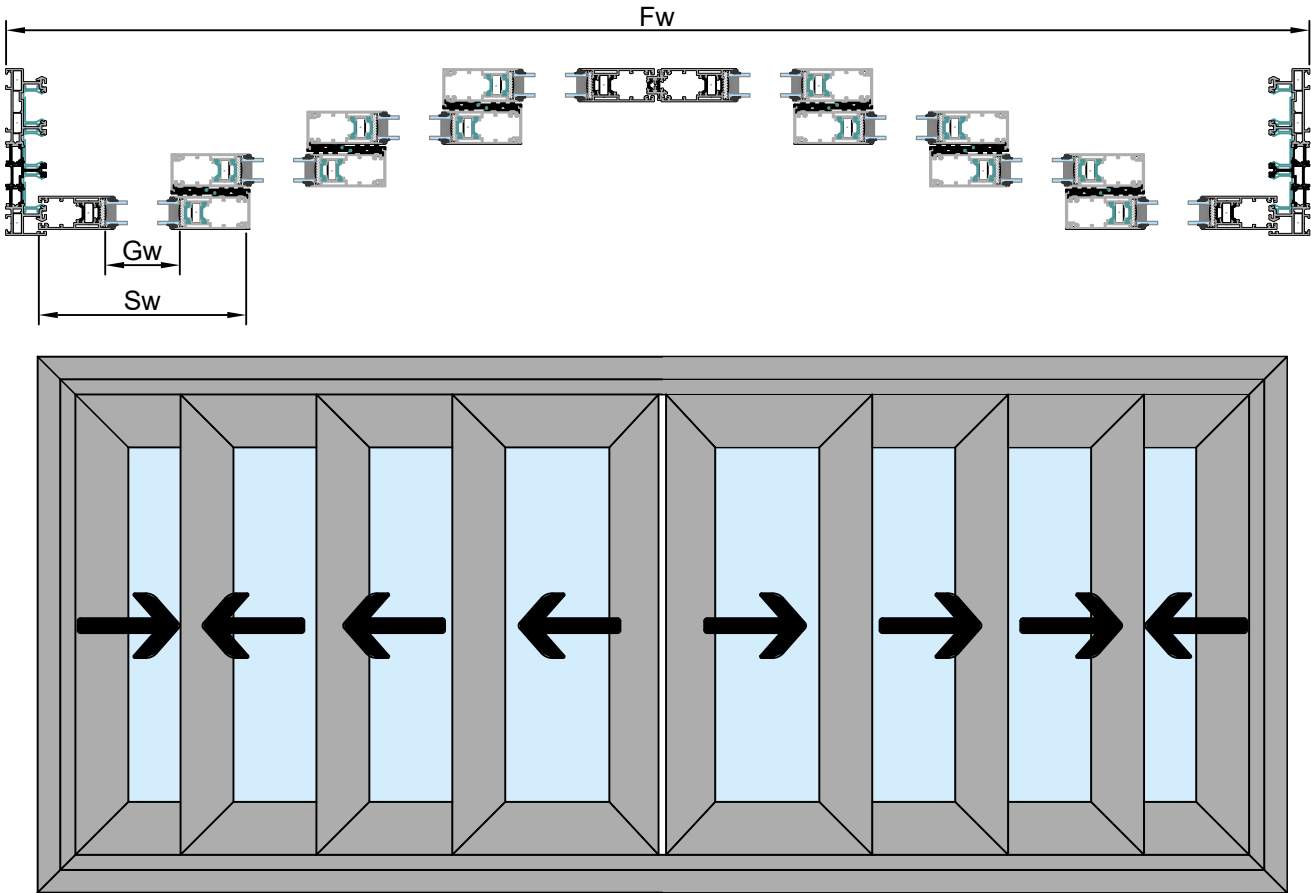
GASKETS

		Accessory Picture	Quantity
FOR FRAME	PB67/550		2Fw+2Fh
	GS-SSR-02		4Fw+8Fh
FOR SASH	PB67/550		16 Sw+22 Sh
	Gasket Outside		8Sw+8Sh
	Gasket Inside		8Sw+8Sh
	GS-Q4-F		6Sh

CONSUMABLE

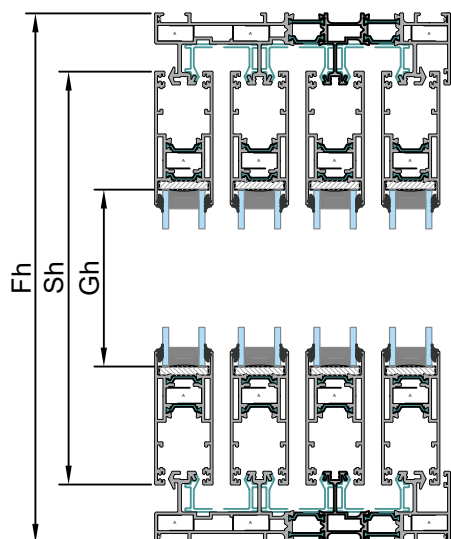
		Accessory Picture	Description	Quantity
CAP	SR-0208R		Rail Roller	8
	SWT38-401		Clamping Accessorioses Set	6
	SA-0338		Sash Stoper	2
	SSR-02		Stainless Rail	Fw-84 mm
	SAP-SWT38-01		Sash Guide Plastics	16 Pieces ≤1000mm ≤24 Pieces
	PLMD-01		Weather Strip Set	3 Set
FOR FRAME	KT-106-024		For <u>Frame</u> Corner Joint	12
	CR-1124		For <u>Frame</u> Corner Joint	12
	CR-1900		For <u>Frame</u> Corner Joint	8
FOR SASH	CR-1124		For <u>Sash</u> Corner Joint	16
	CR-1120		For <u>Sash</u> Corner Joint	16
	CR-1900		For <u>Sash</u> Corner Joint	32
	CR-1800		For <u>Sash</u> Corner Joint	32

CUTTING LISTS



PROFILES

SWT38-003 SIP-SWT38-L SWT38-401 SWT38-102 SWT38-003 SWT38-003	Profile Drawing	Profile Description	Cutting Type	Cutting Dimension	Piece	Machining
		Horizontal Frame Profile and U channel		Fw	2	-
		Vertical Frame Profile and U channel		Fh	2	-
		Horizontal Sash Profile		$Sw=(Fw+458)/8$	12	-
		Vertical Sash Profile		$Sh= Fh-77$	12	-
		Middle Sash Profile		Sh-94	8	-
		Central Locking Profile		Sh	8	-
		Adjoining Profile		Sh-70	1	-



GLASS CUTTING

Gw= Sw - 156 mm		8
Gh= Sh - 156 mm		

GASKETS

	Accessory Picture	Quantity
FOR FRAME		2Fw+2Fh
		4Fw+8Fh
FOR SASH		24 Sw+30 Sh
		12Sw+12Sh
		12Sw+12Sh
		8Sh
		2Sh

CONSUMABLE

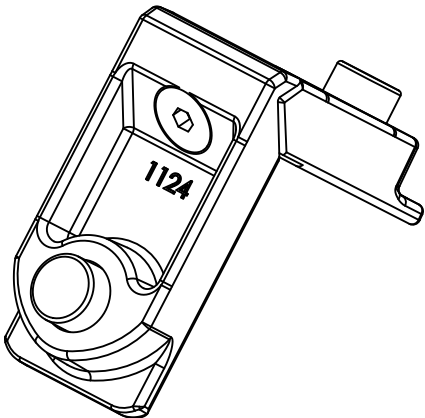
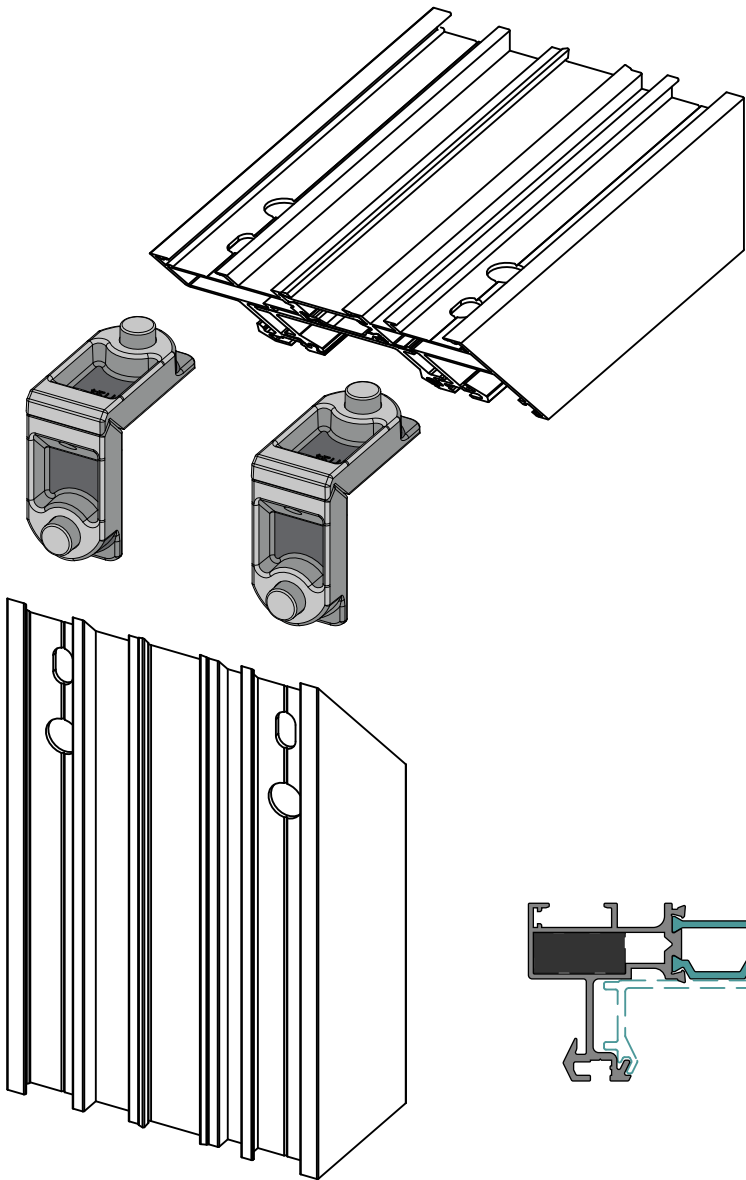
	Accessory Picture	Description	Quantity
CAP		Rail Roller	16
		Clamping Accessories Set	12
		Sash Stopper	3
		Stainless Rail	Fw-84 mm
		Sash Guide Plastics	32 Pieces ≤1000mm ≤ 48 Pieces
		Weather Strip Set	6 Set
FOR FRAME		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	12
		For <u>Frame</u> Corner Joint	8
FOR SASH		For <u>Sash</u> Corner Joint	32
		For <u>Sash</u> Corner Joint	32
		For <u>Sash</u> Corner Joint	64
		For <u>Sash</u> Corner Joint	64
		FoUr <u>Sash</u> Accessories Set	2



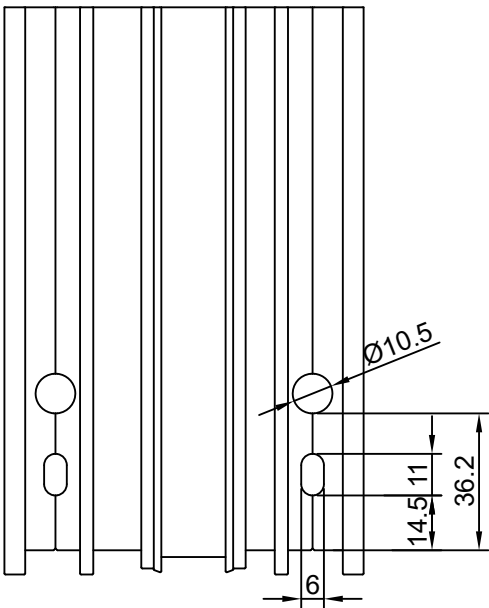
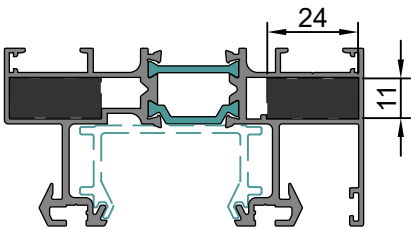
MACHINING

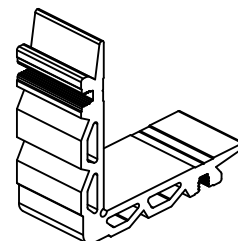
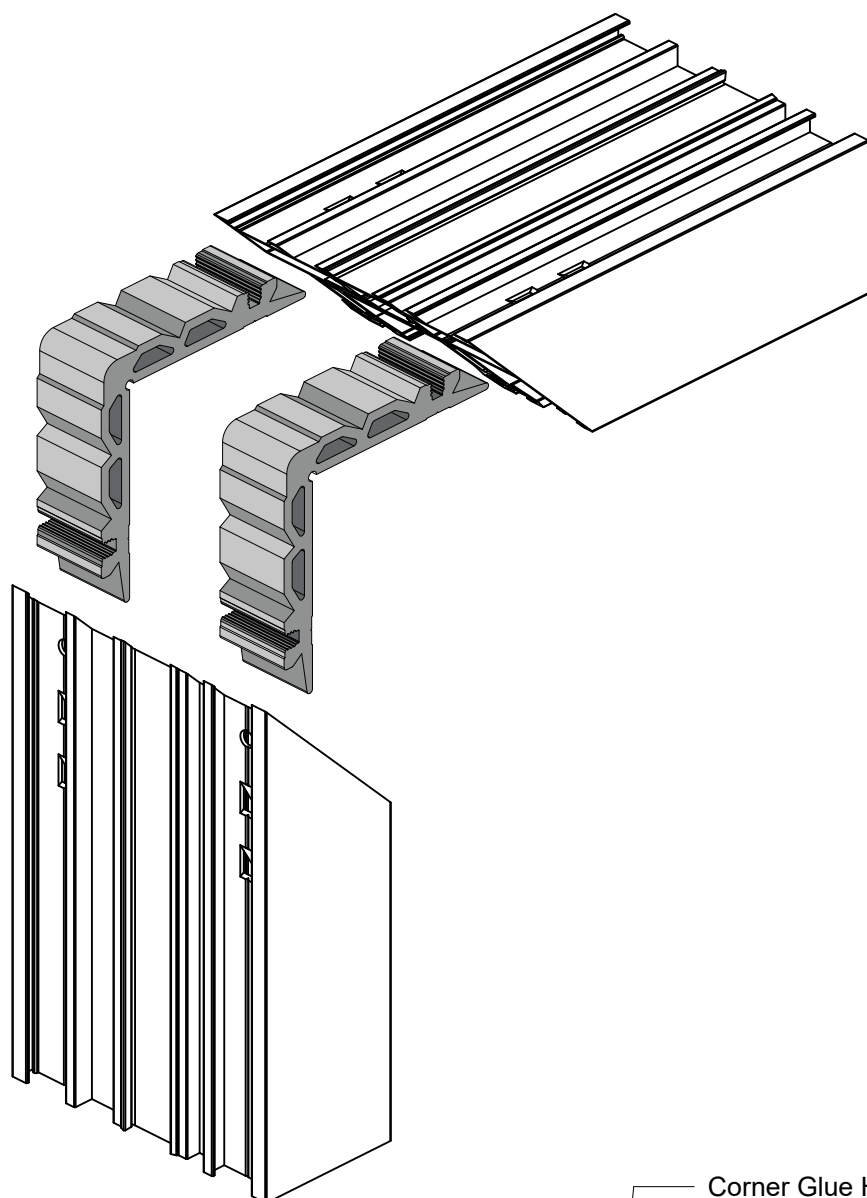
WWW.FINEASTRA.COM

SWT38
THERMO SLIDING SYSTEM

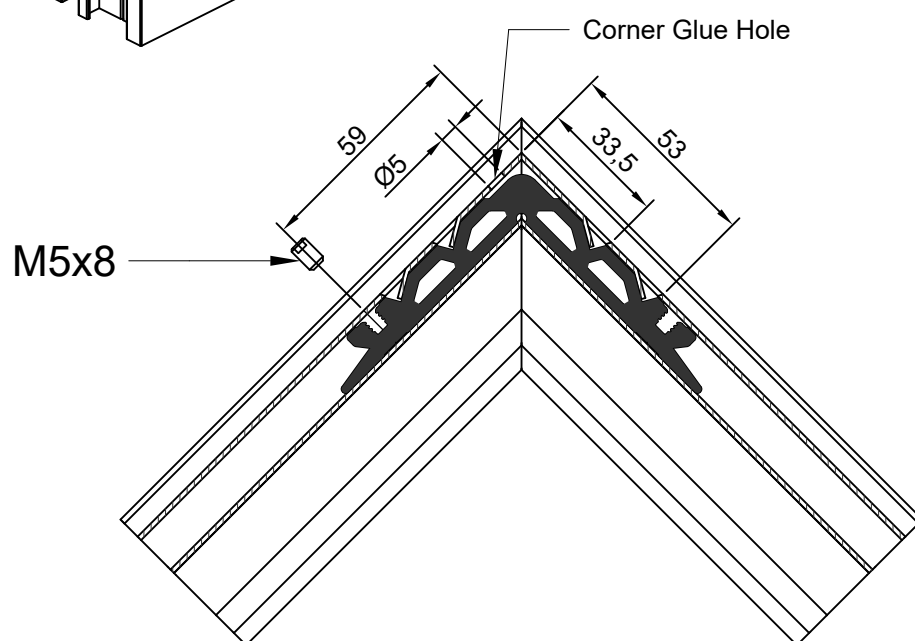


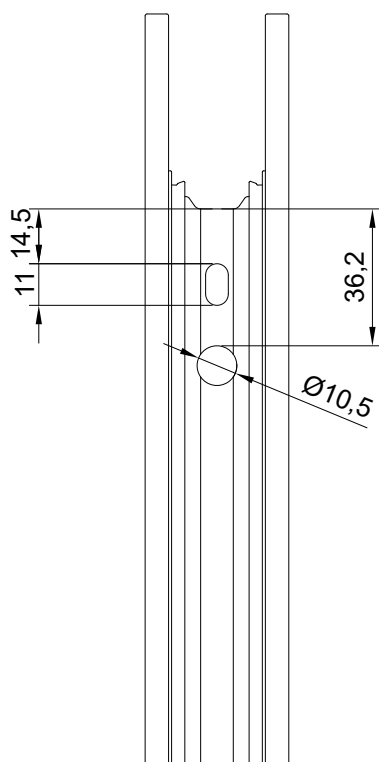
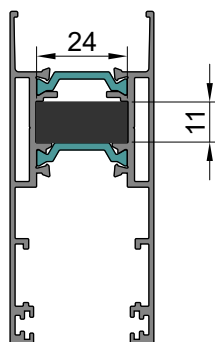
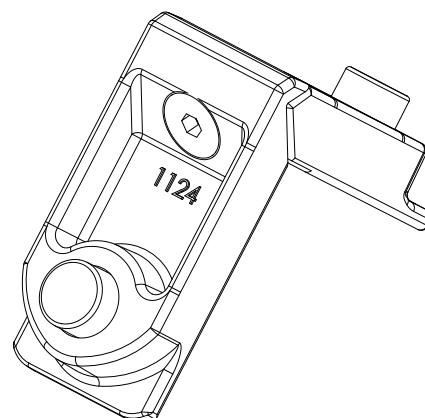
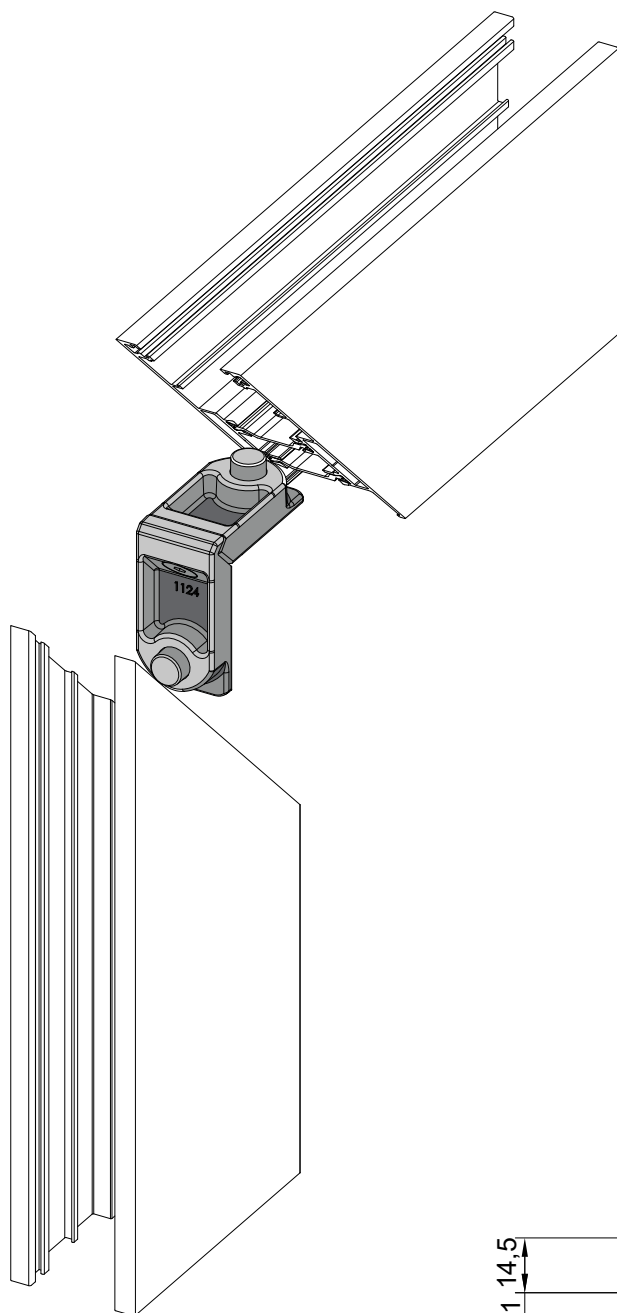
ART	
CR-1124 (MS 04.01)	250 pcs
Threaded aluminium corner-joint	



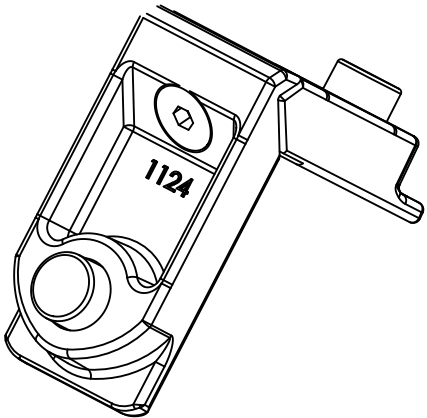
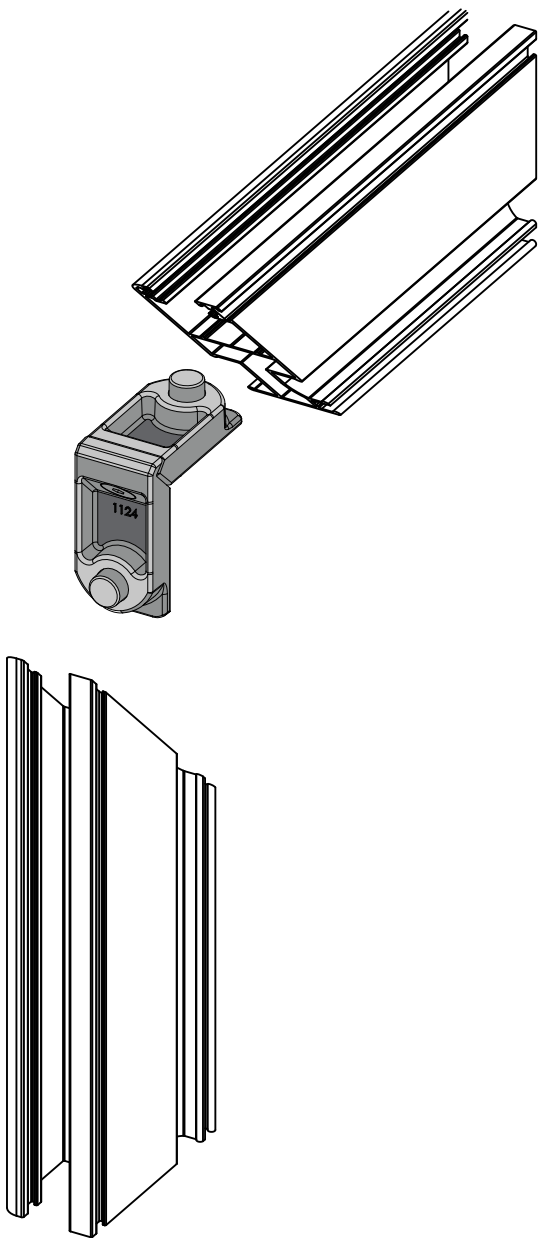


KT-106-024

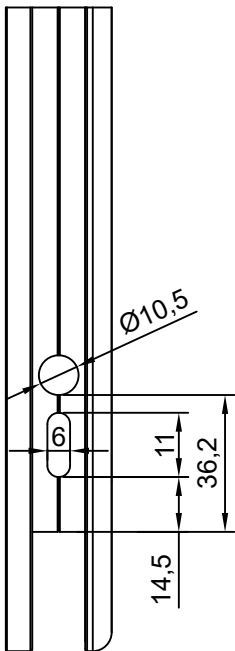
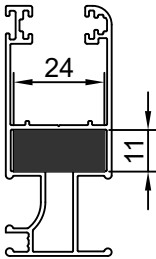


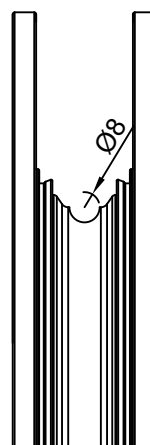
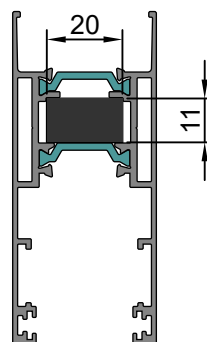
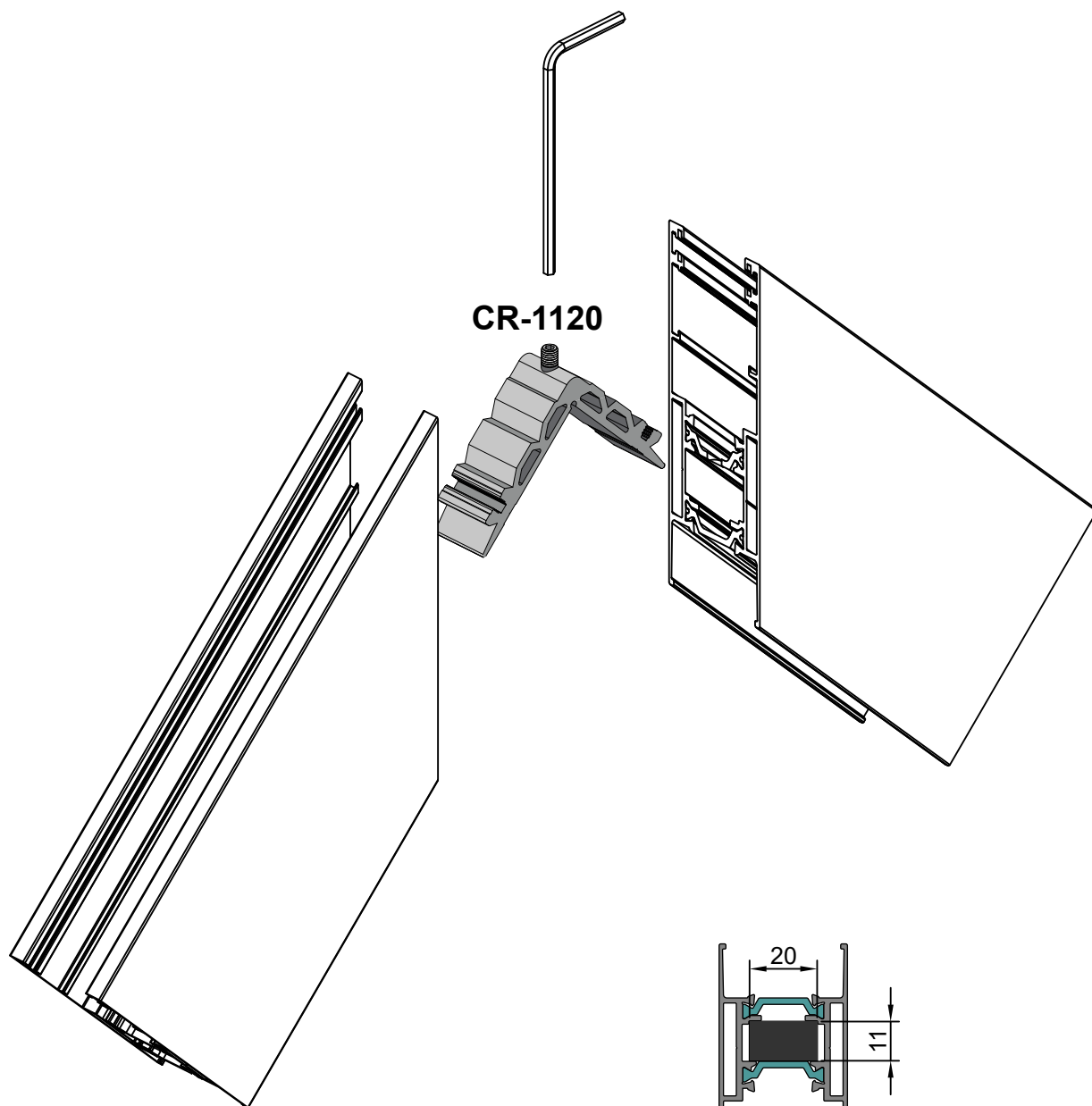


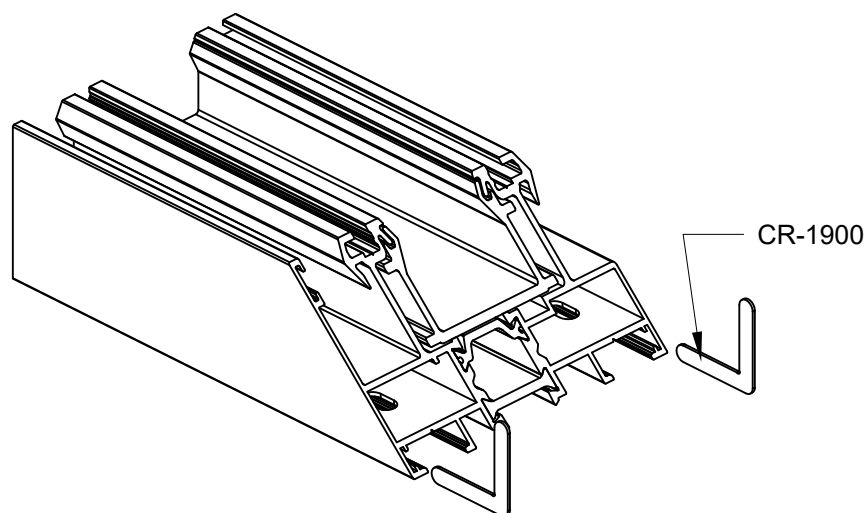
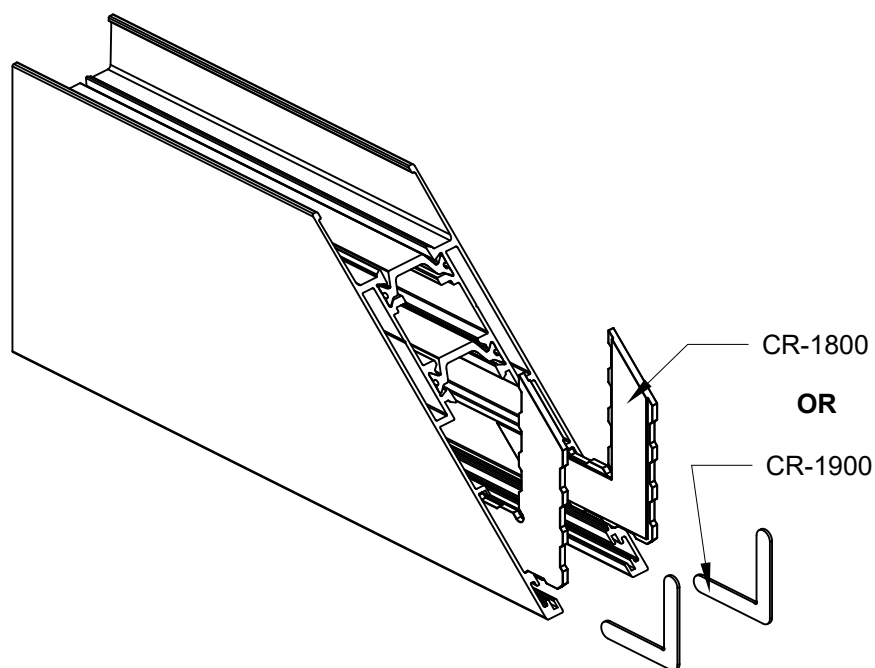
ART	
CR-1124 (MS 04.01)	250 pcs
Threaded aluminium corner-joint	



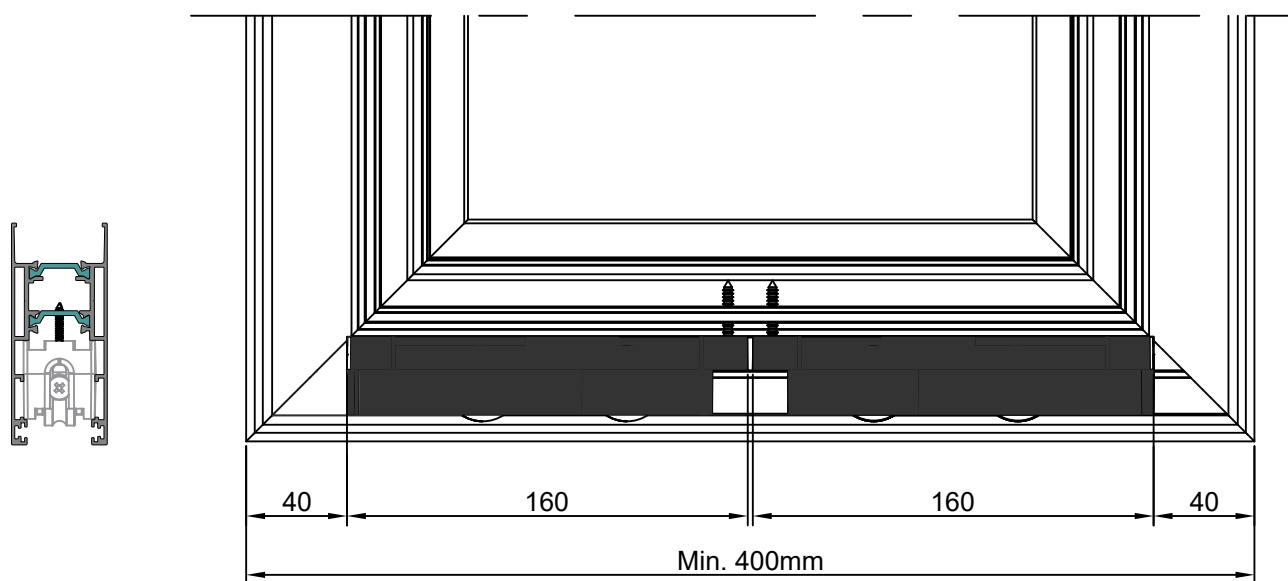
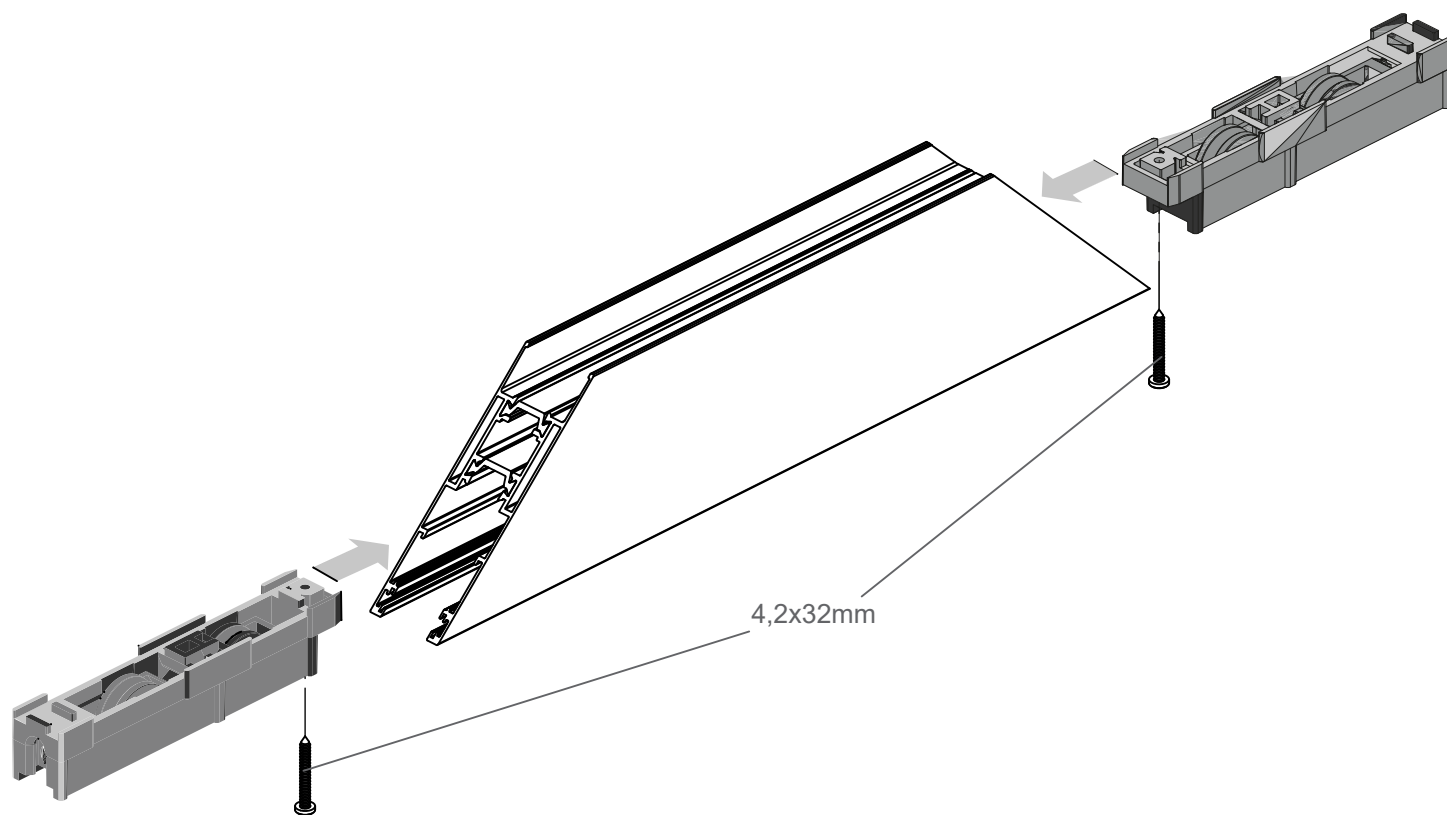
ART	
CR-1124 (MS 04.01)	250 pcs
Threaded aluminium corner-joint	



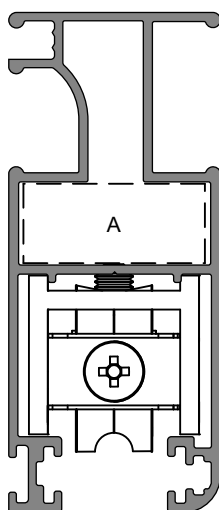
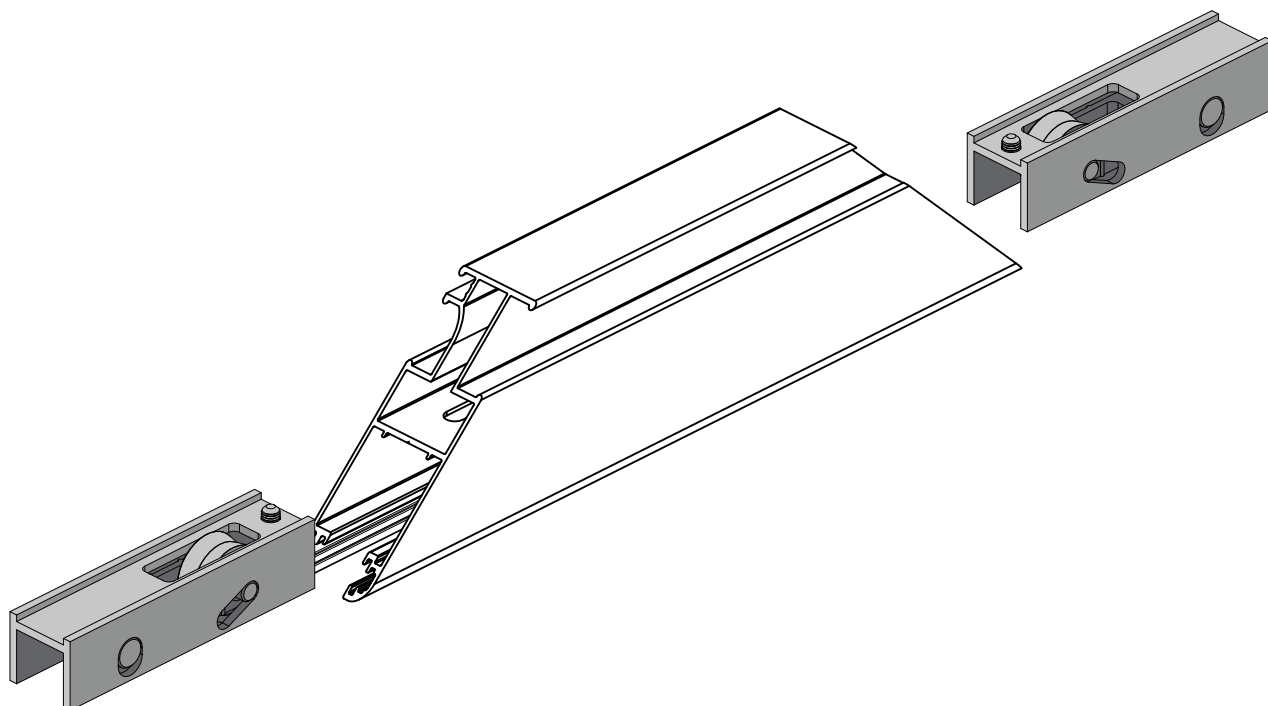


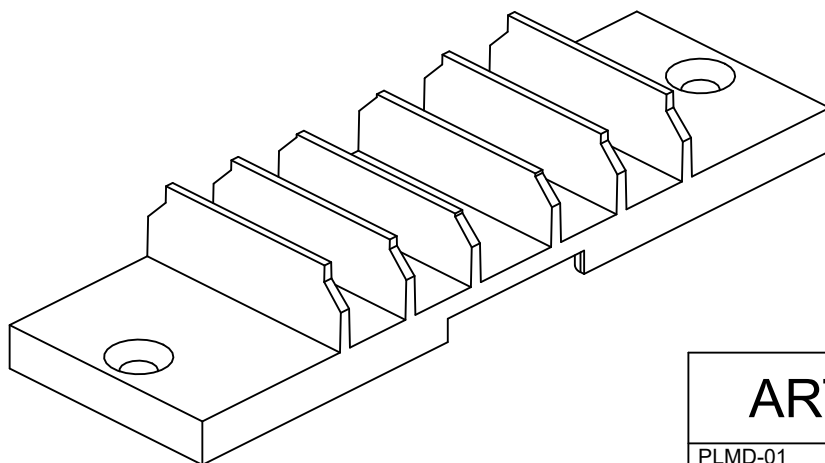


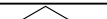
SR-0208R

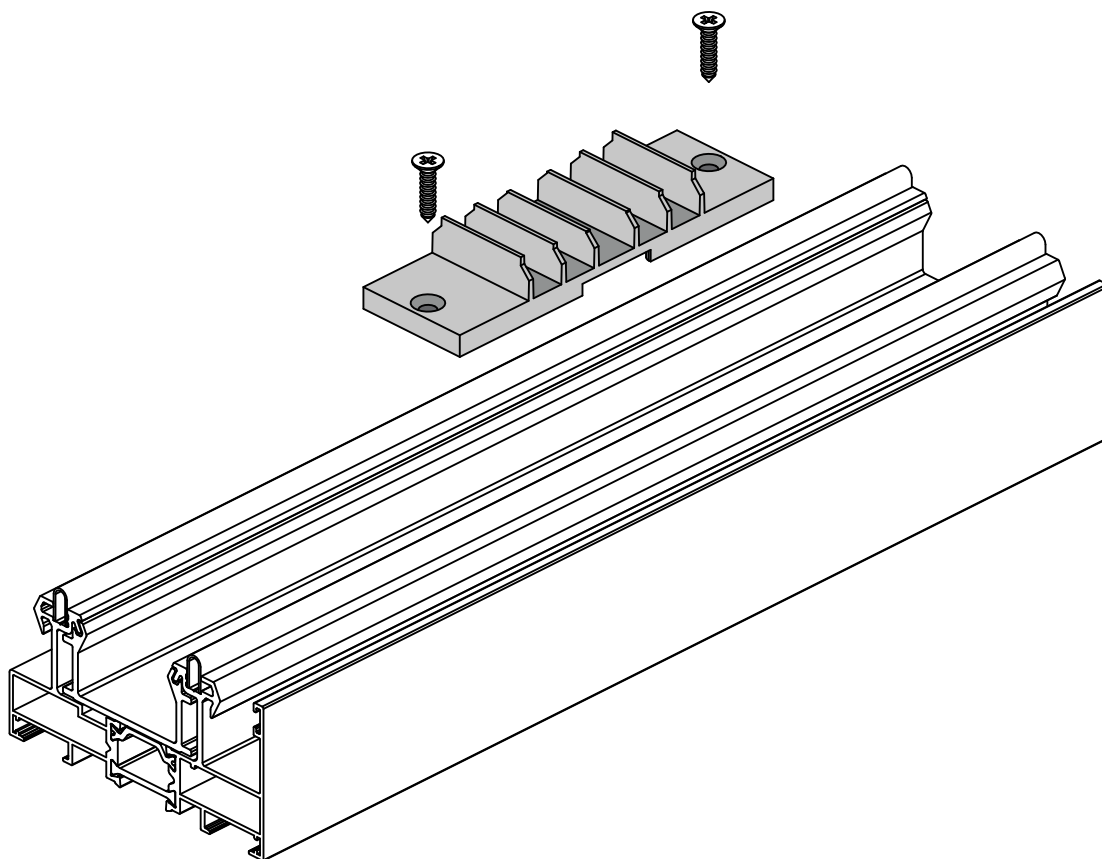


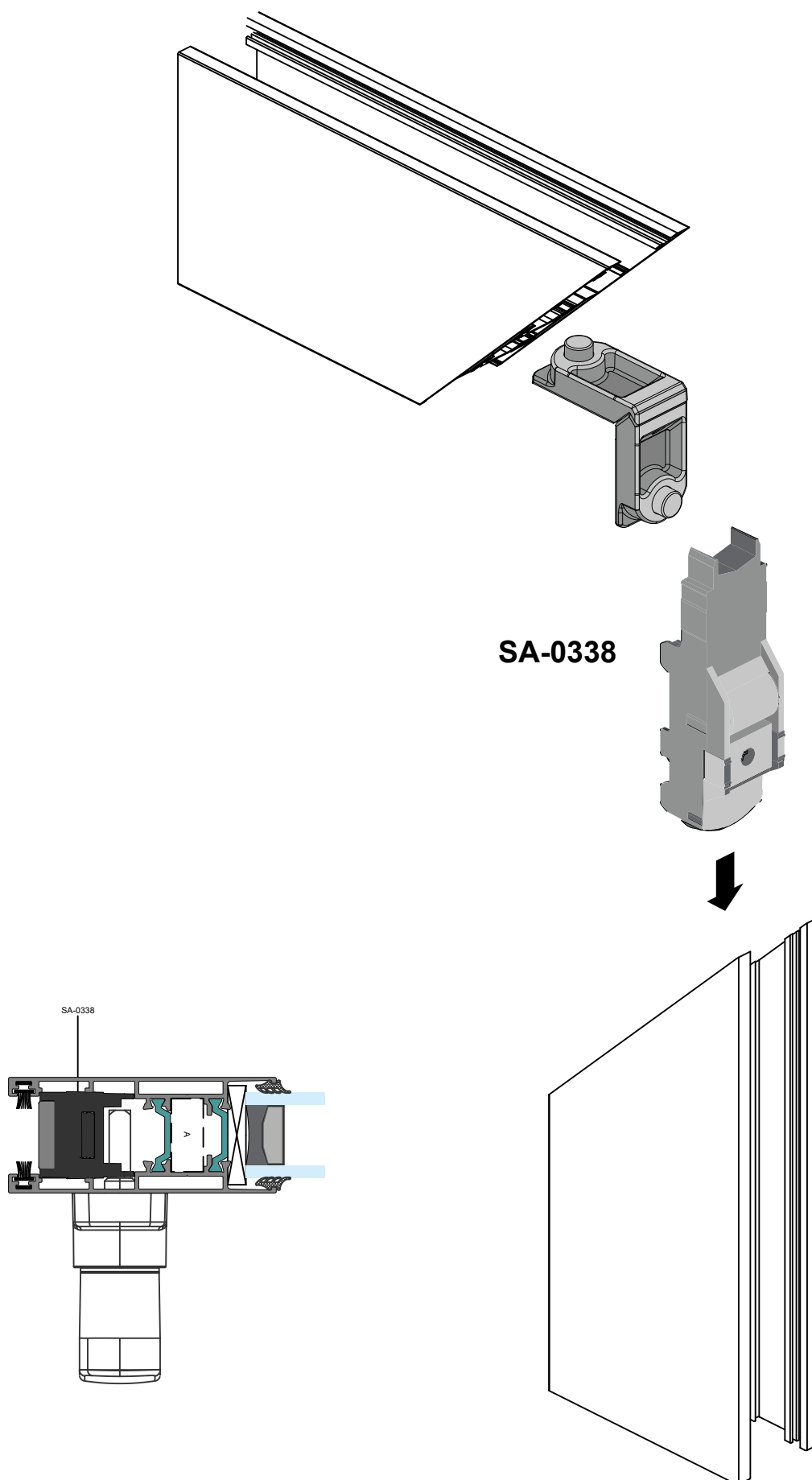
SR-0101R

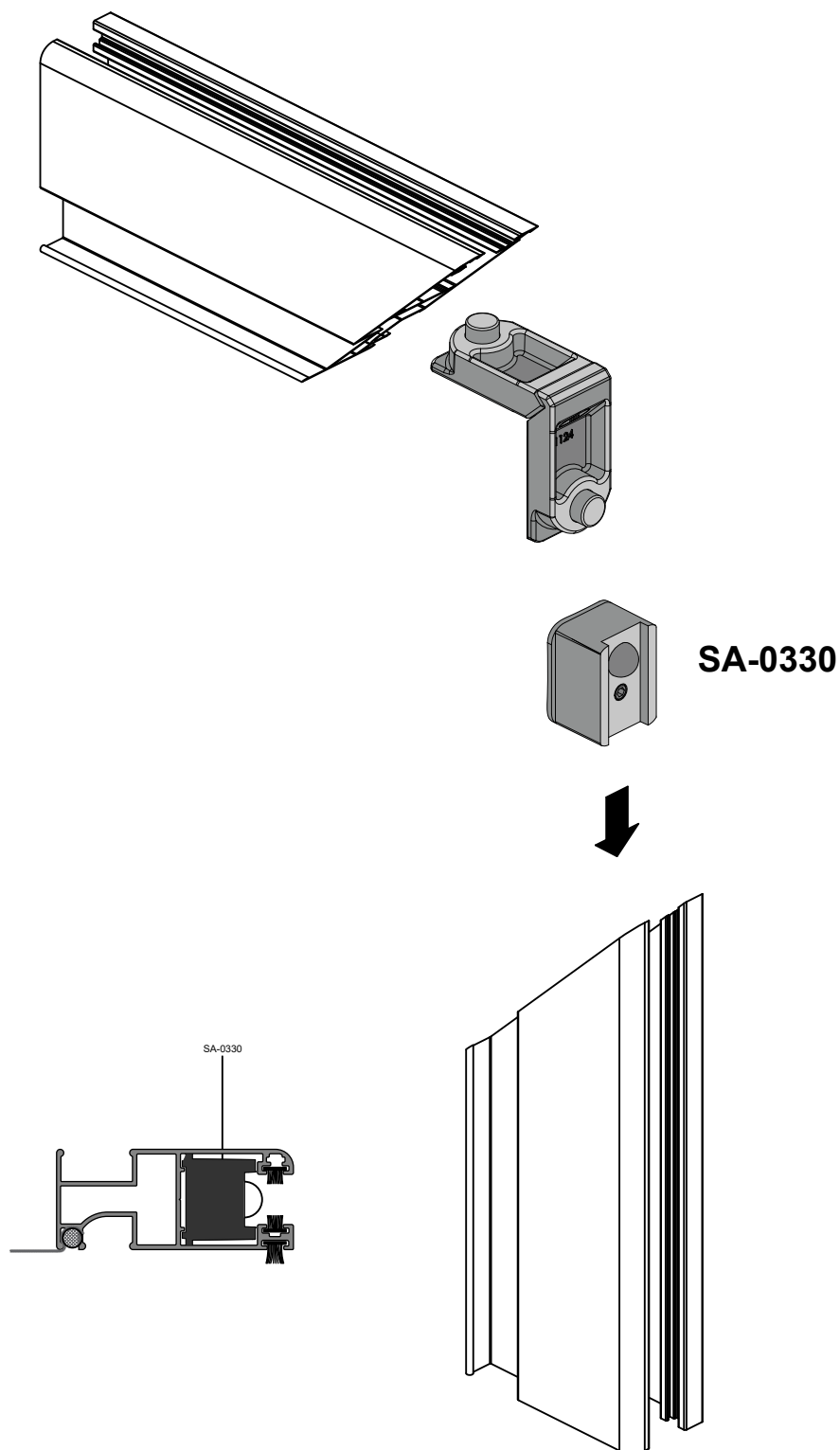


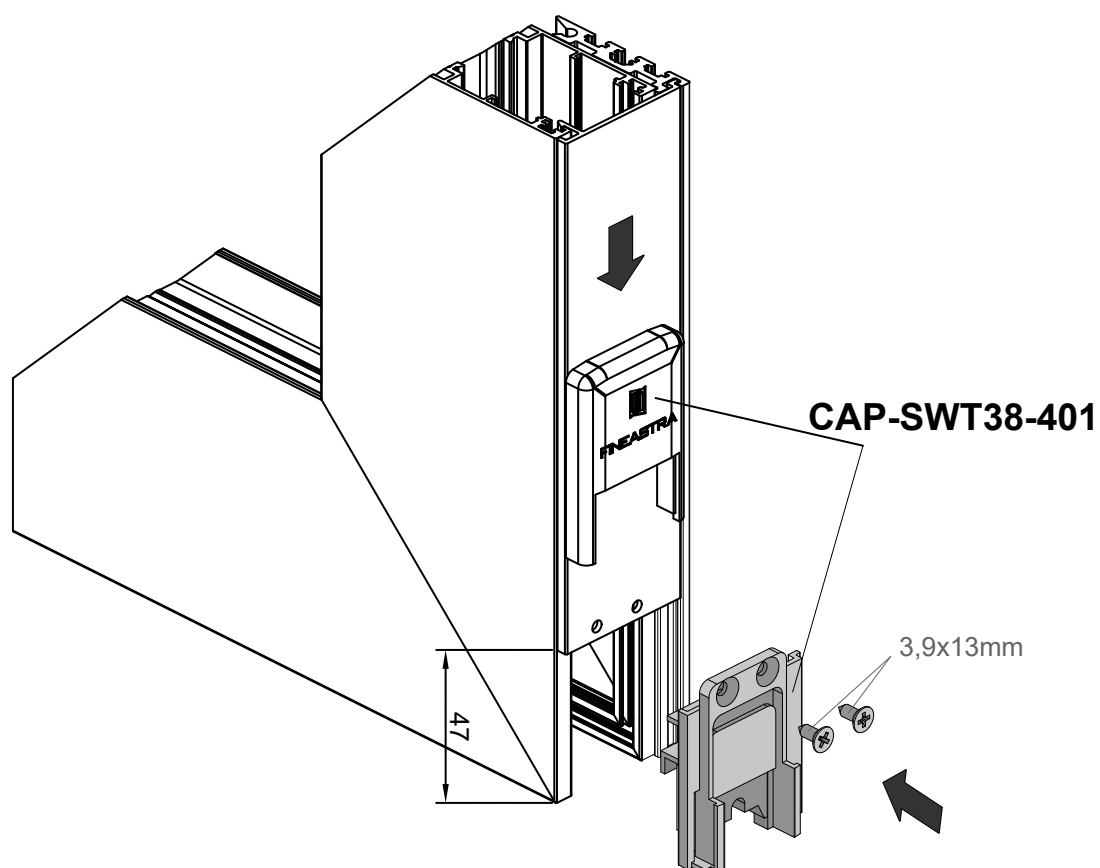
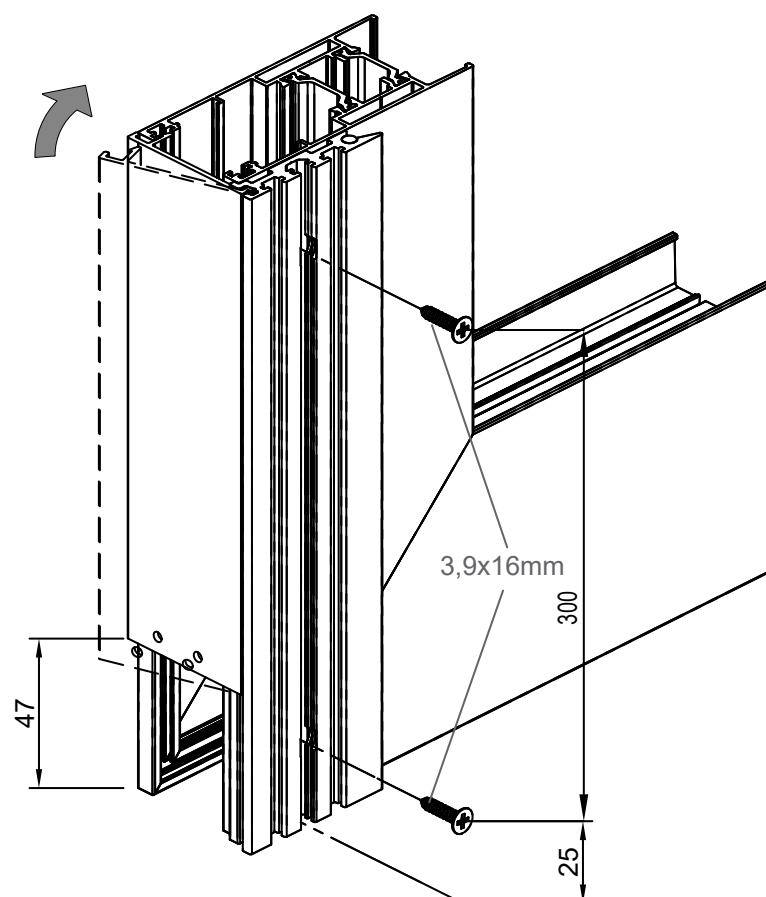


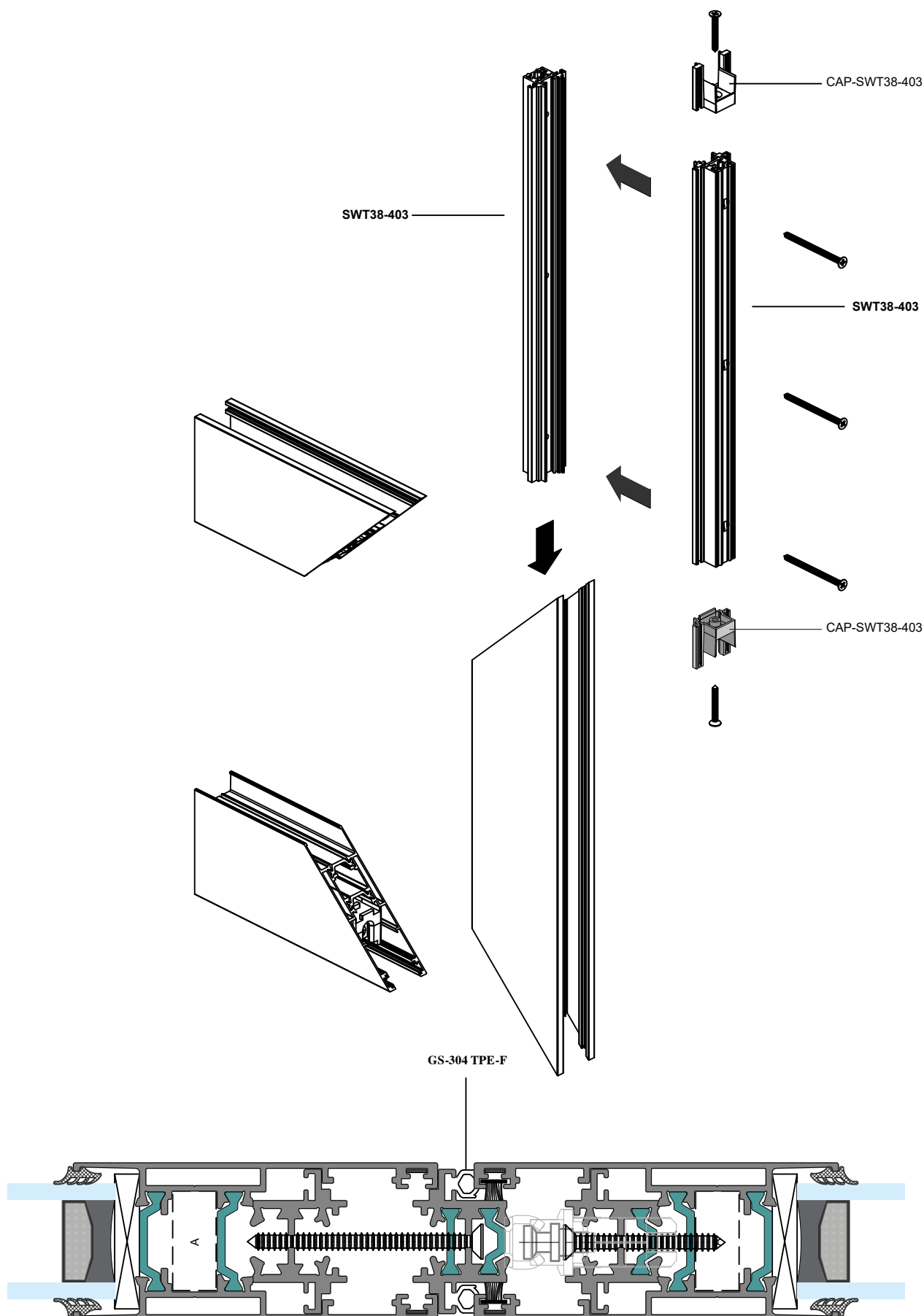
ART		
PLMD-01	pcs	
Central Seal		





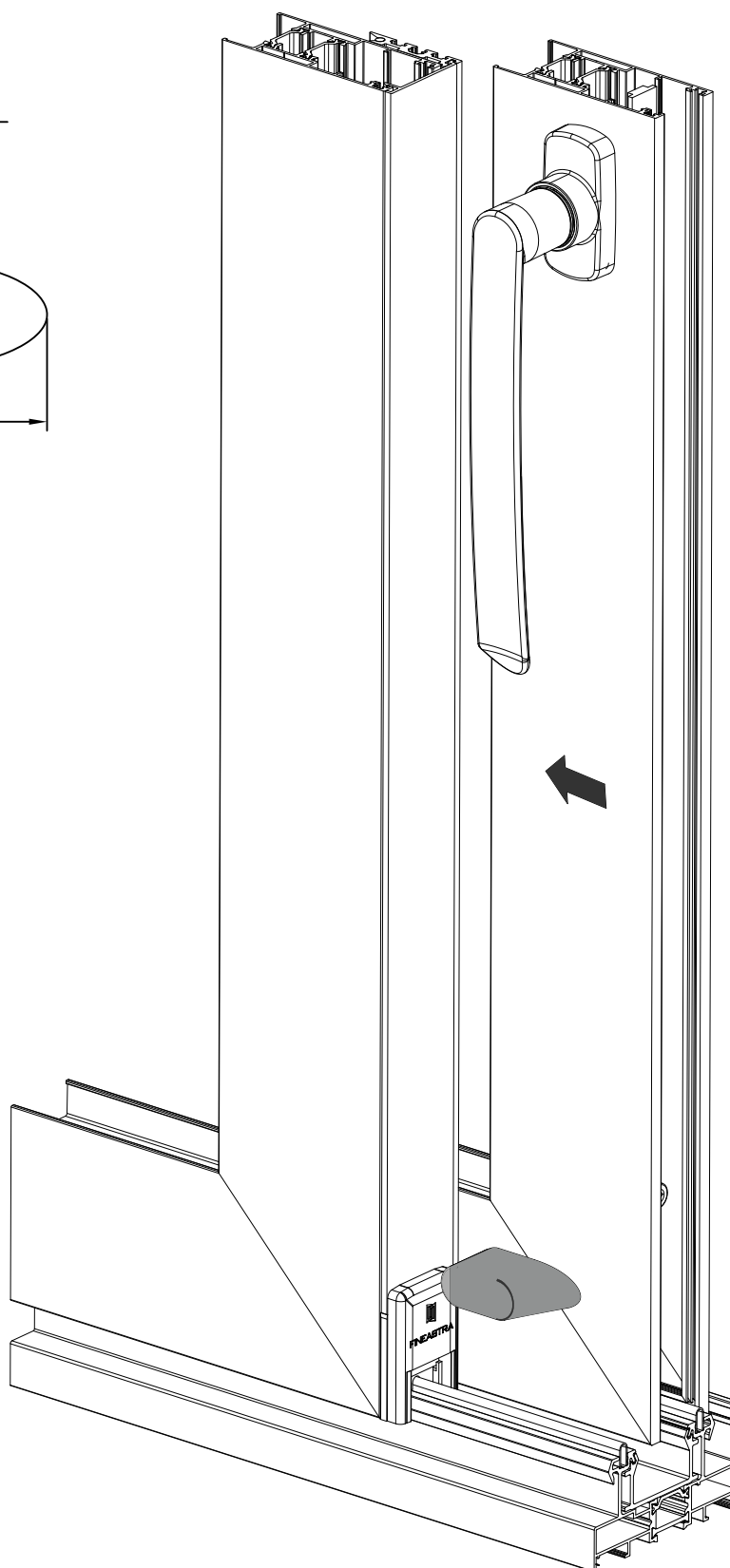
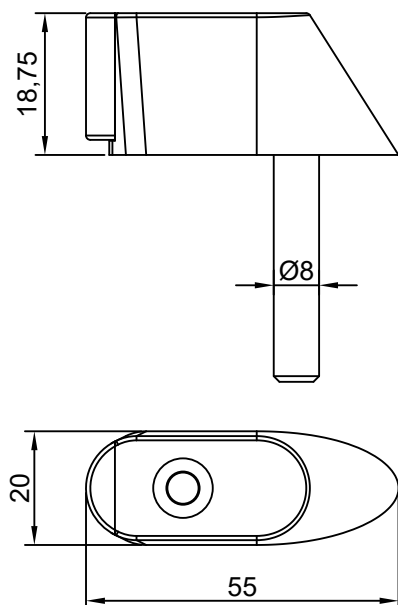




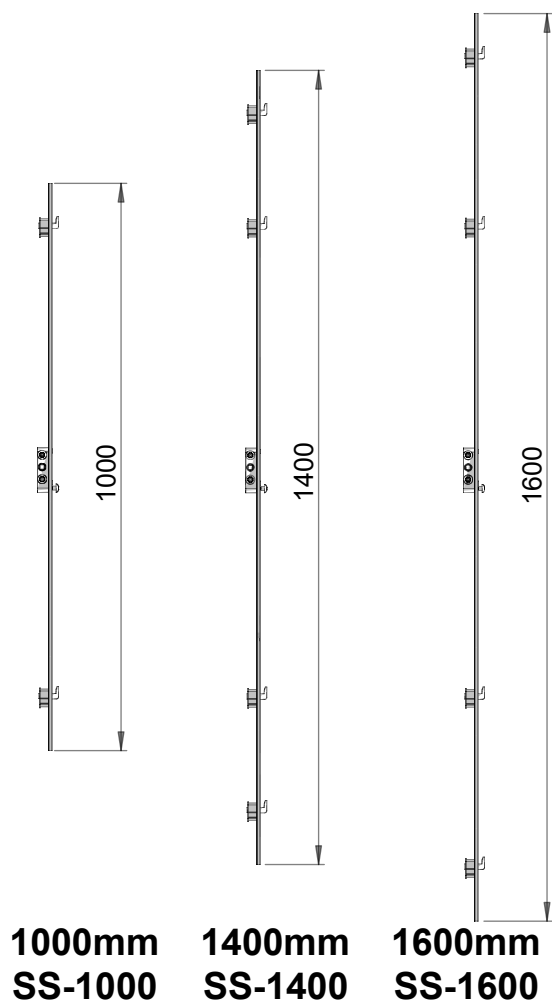


SLIDE , LIFT AND SLIDE STOPER

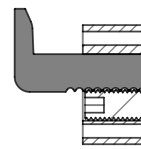
LS-7401



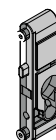
Multi-point locking system with adjustable hook locks.



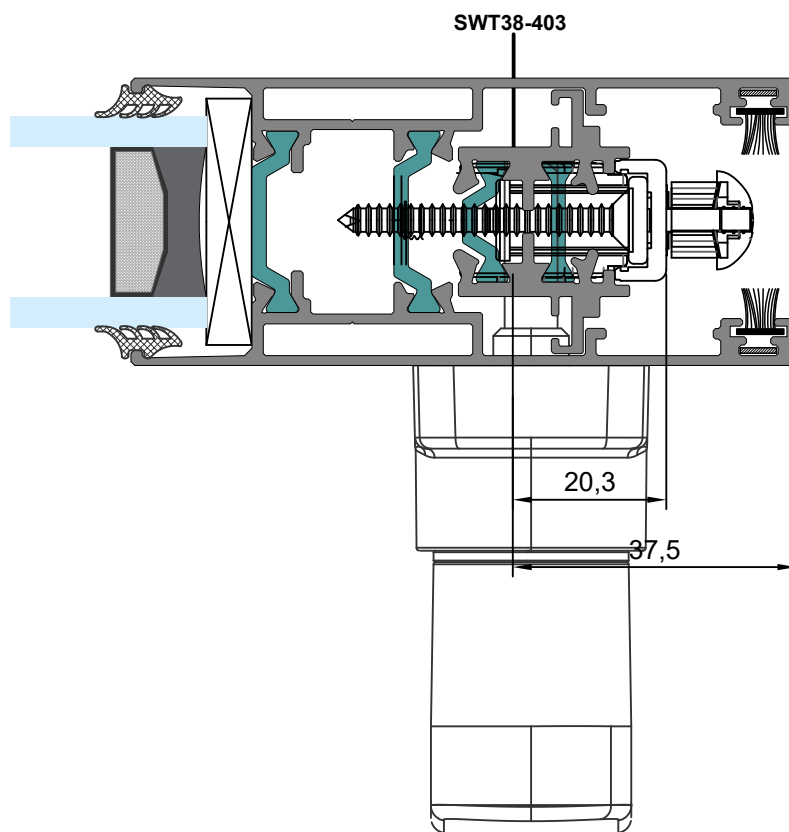
Resistance
greater than
80 kg
per locking point
After Fixing

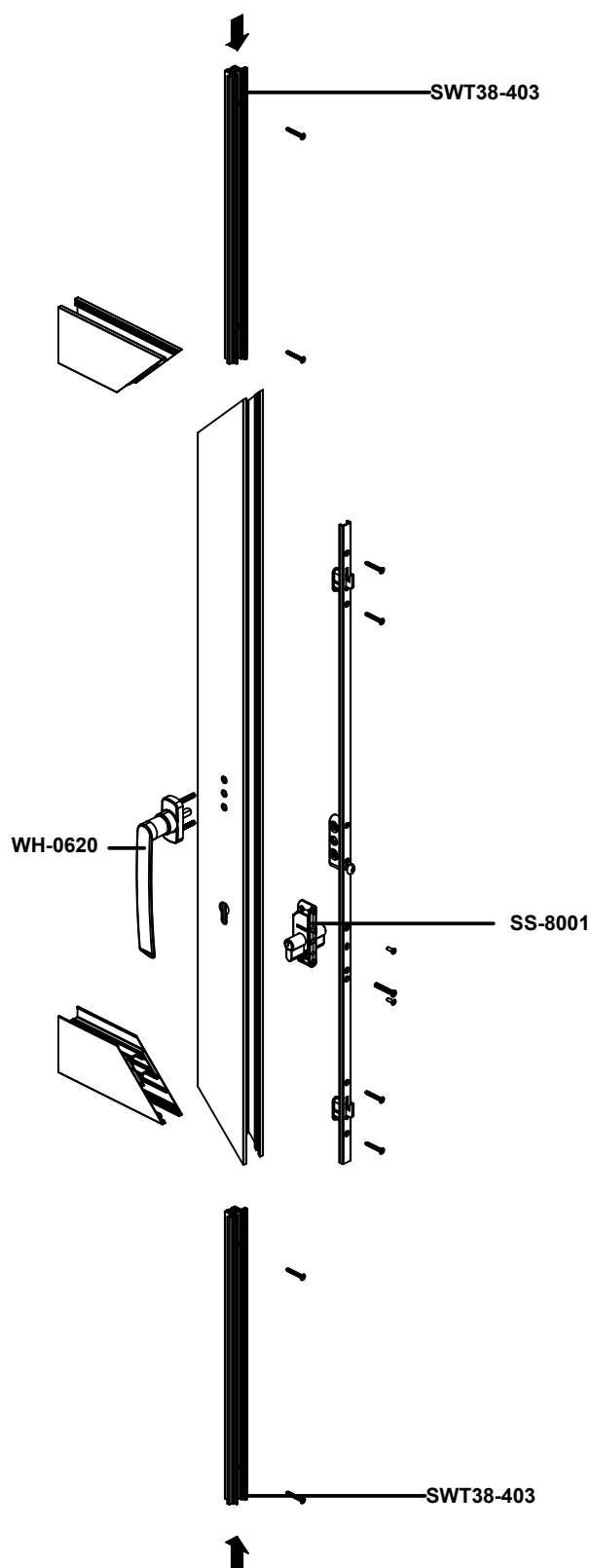


Kit for key

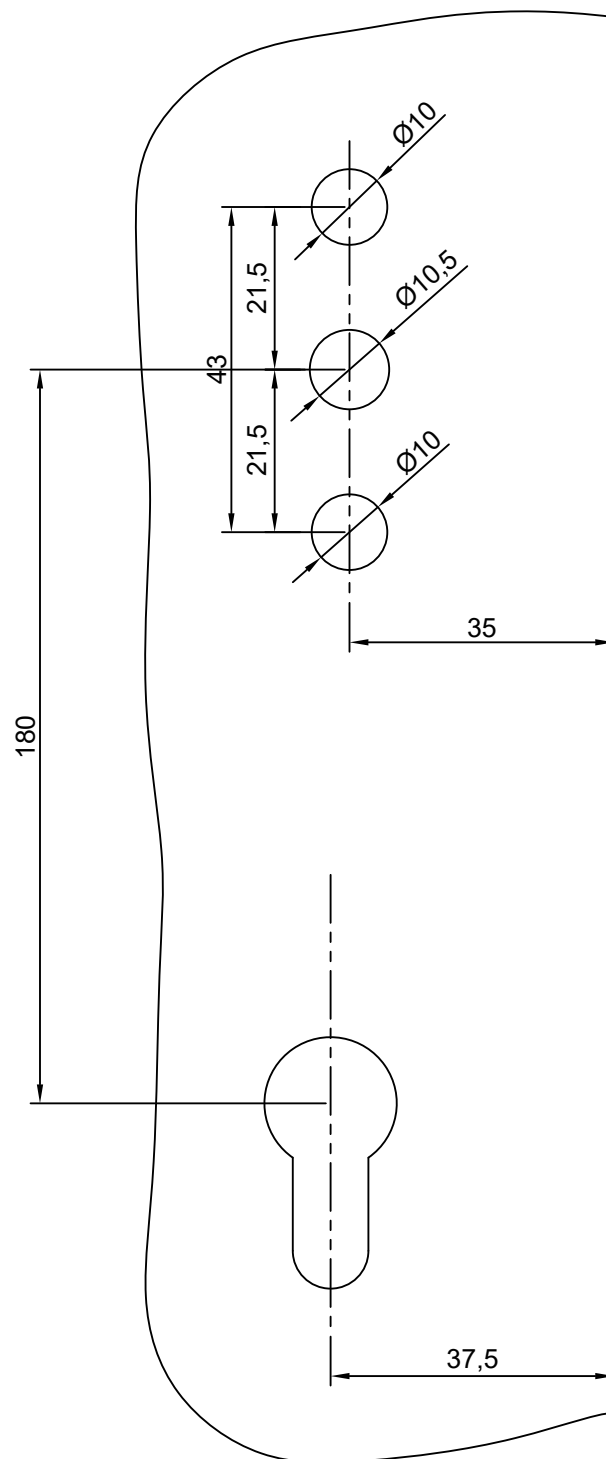


SS-8001

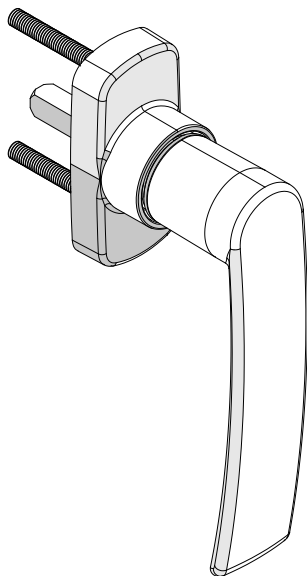




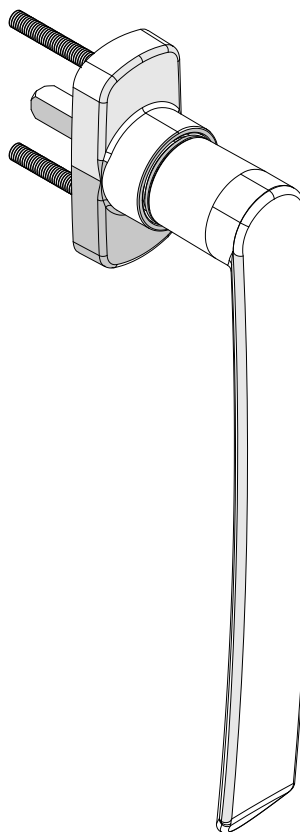
MACHINING



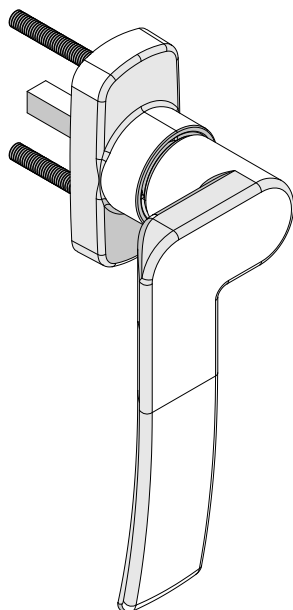
WH-0610



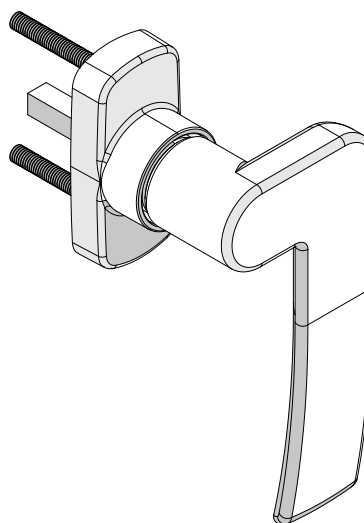
WH-0620



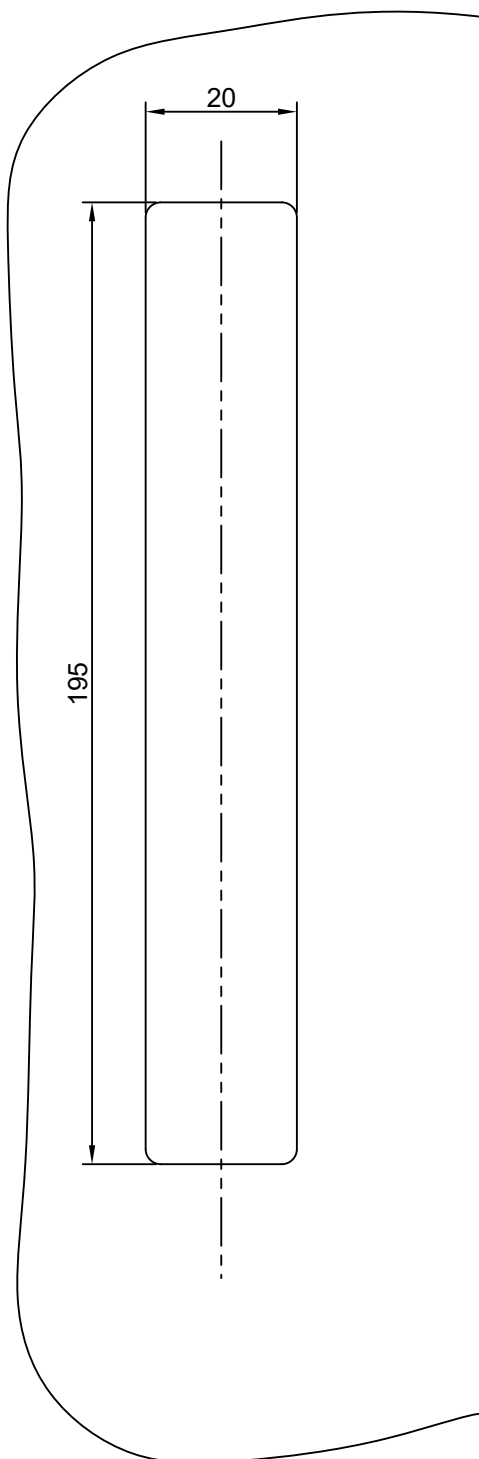
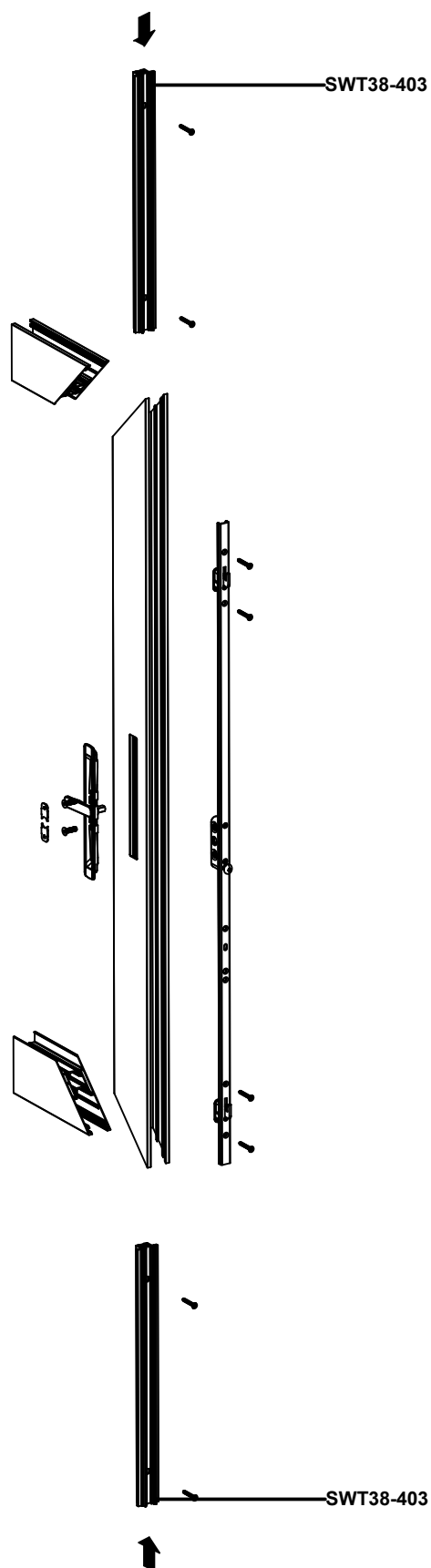
WH-0650R



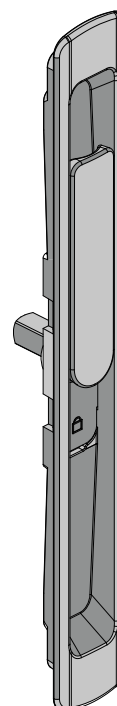
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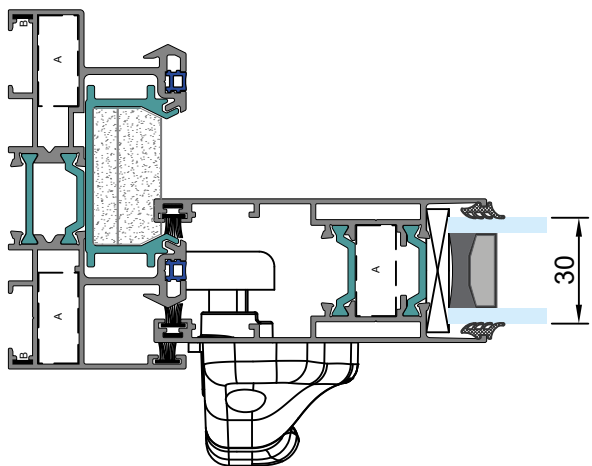
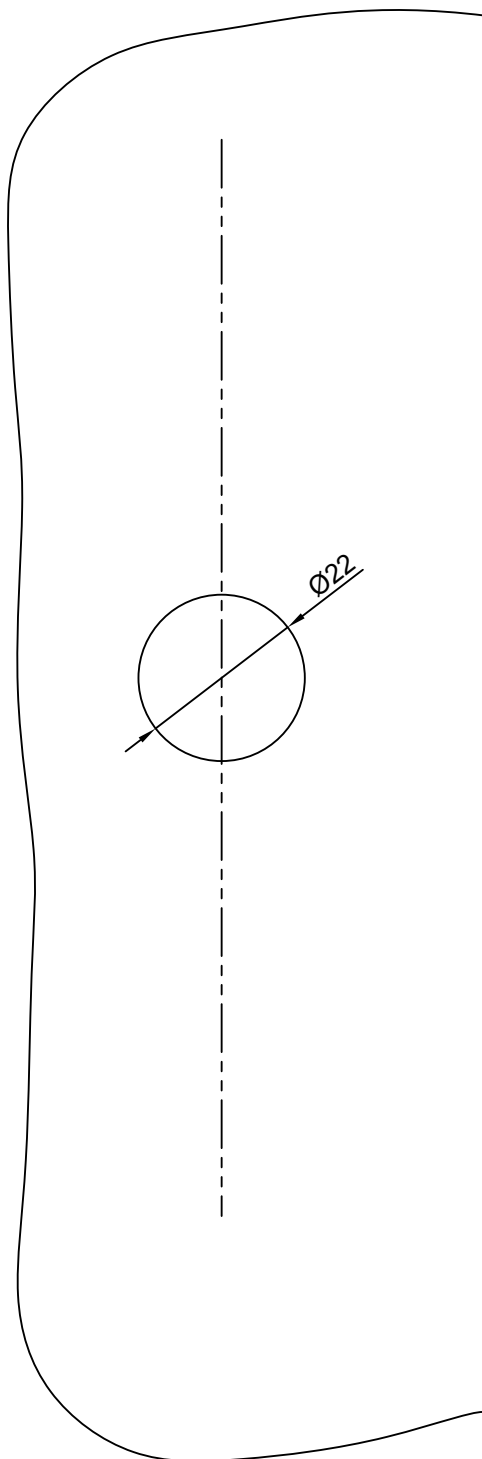
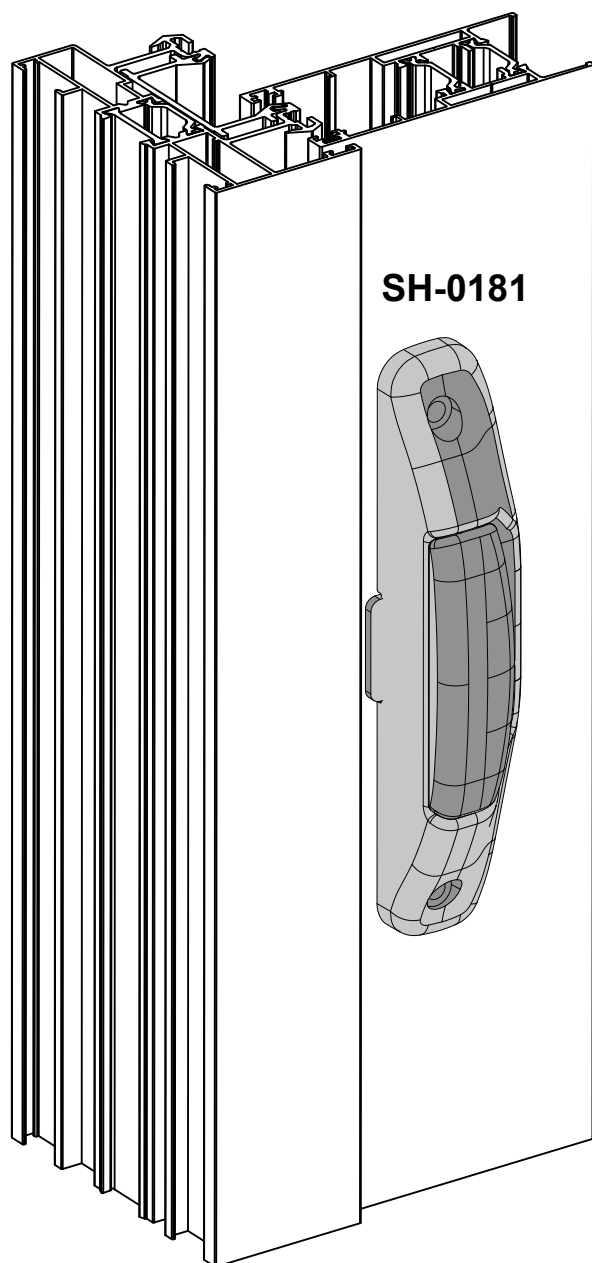


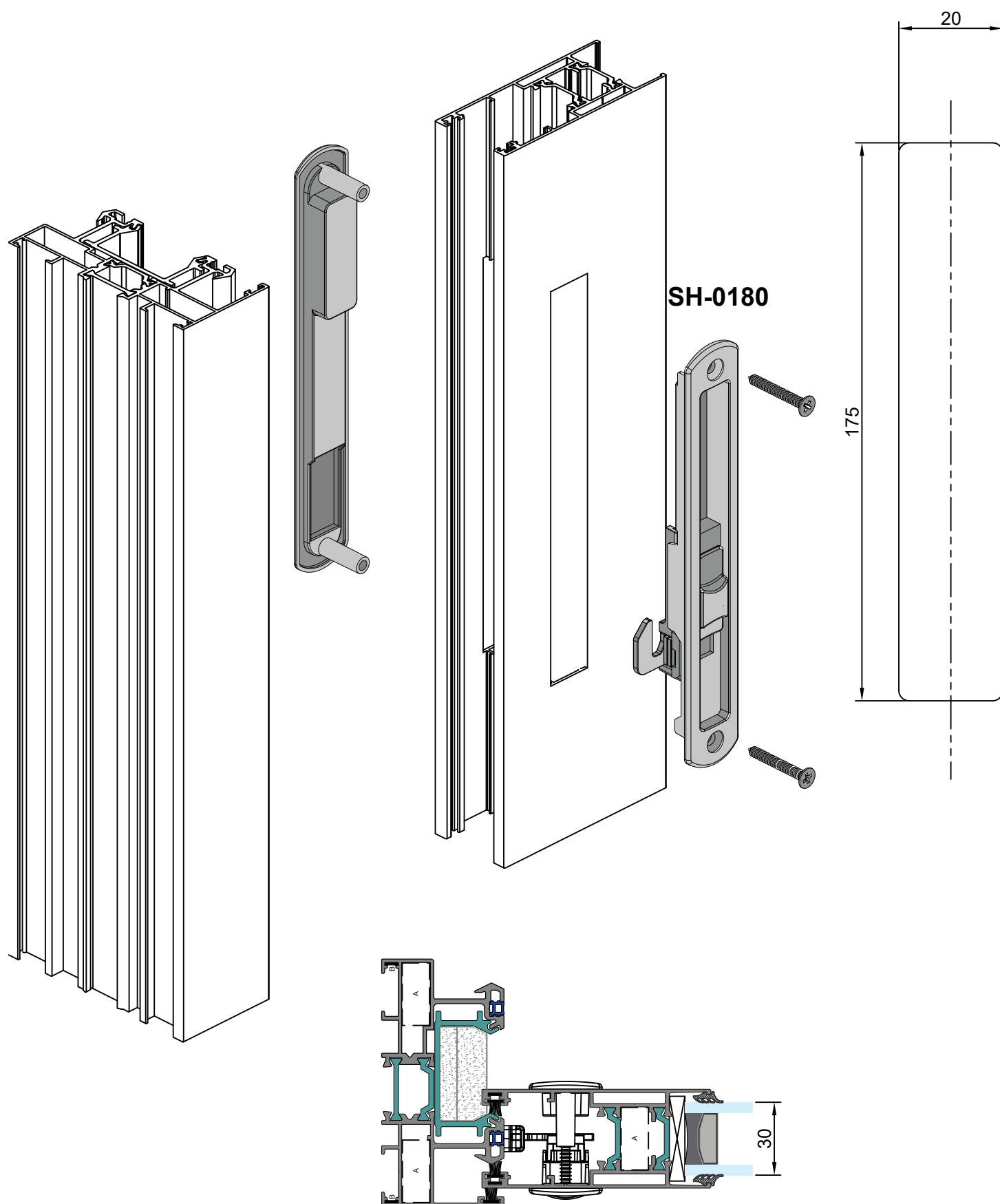
MACHINING

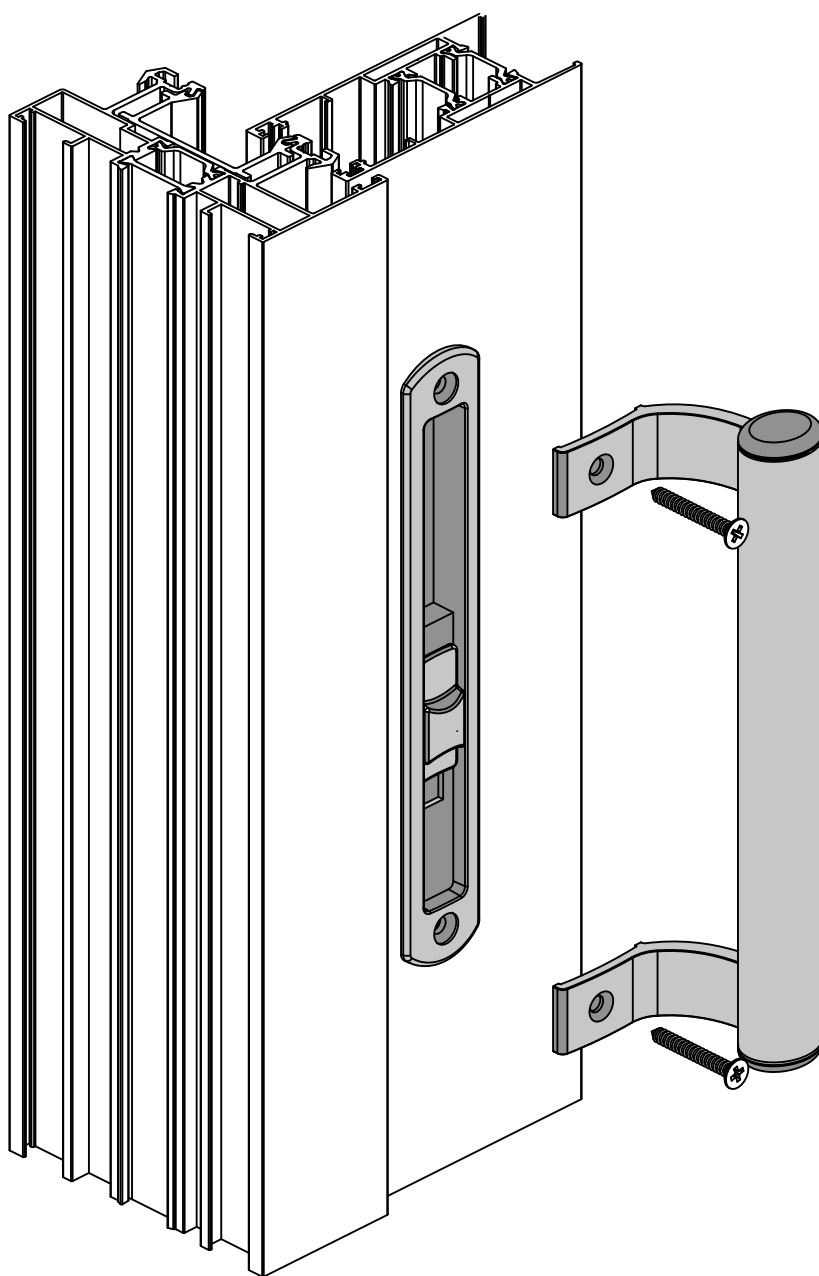


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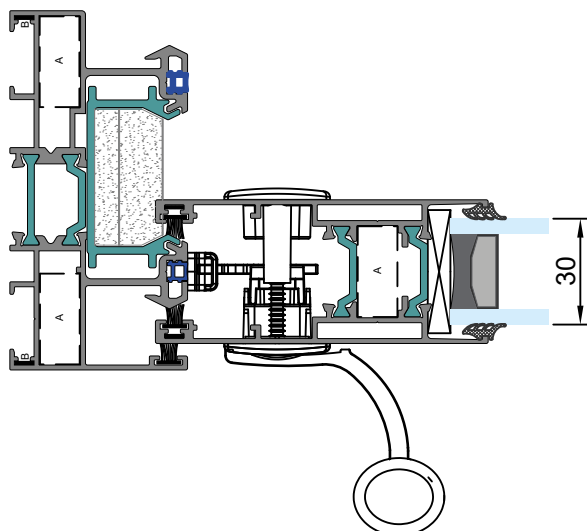
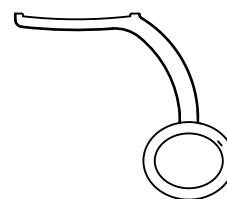
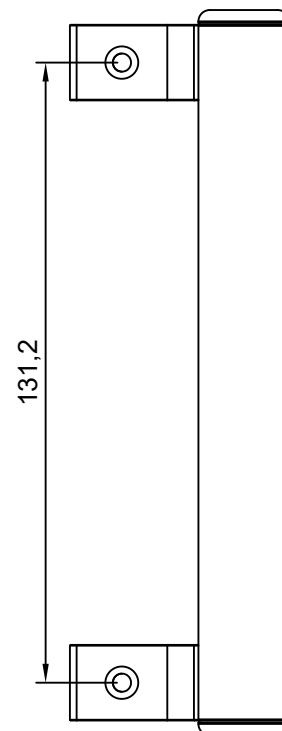




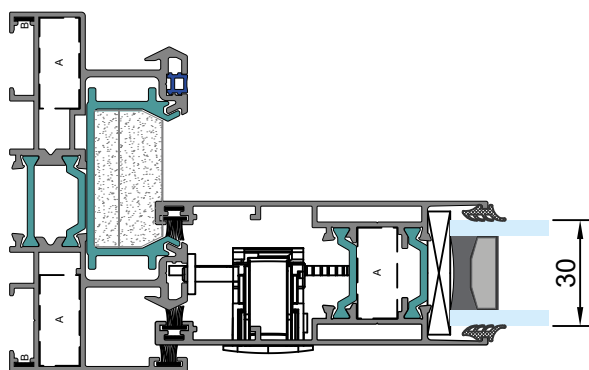
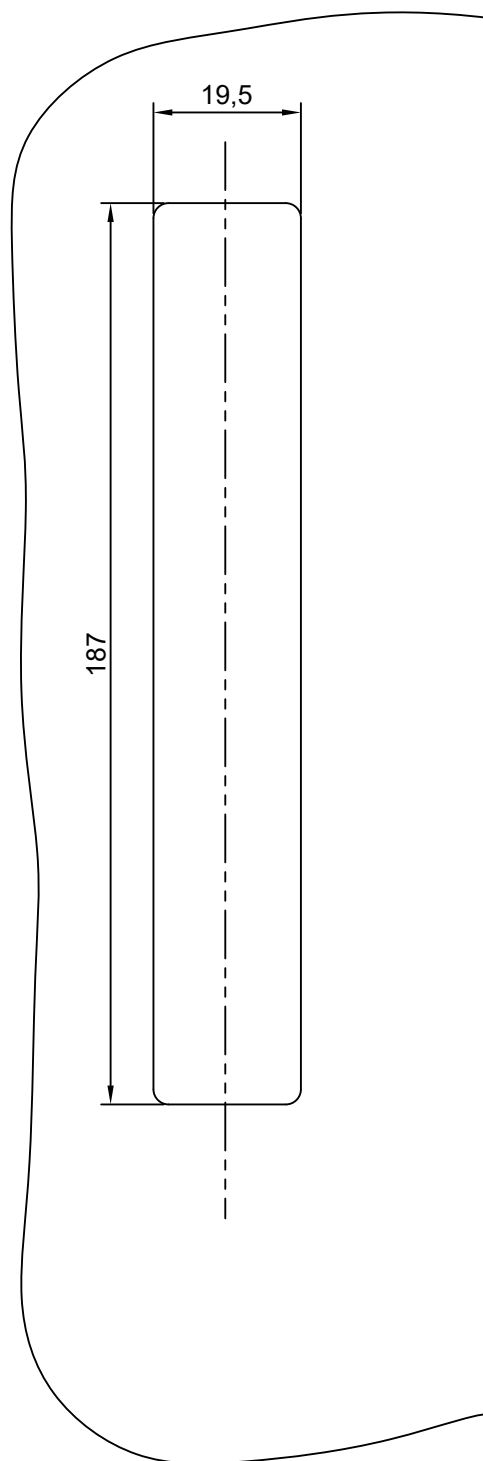
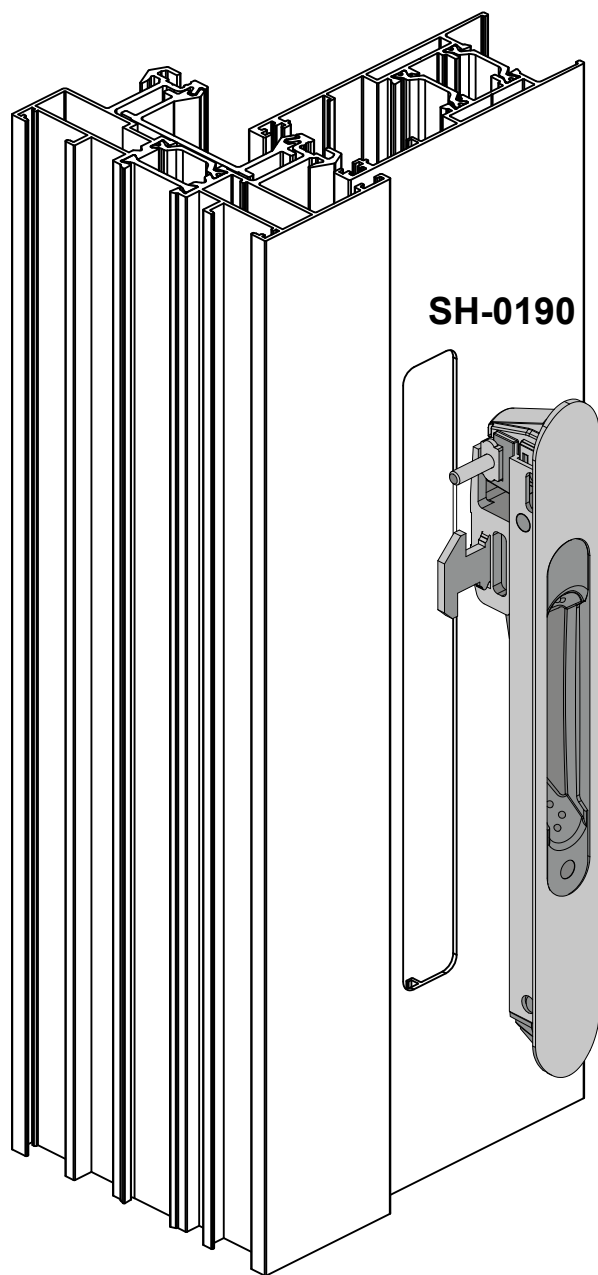


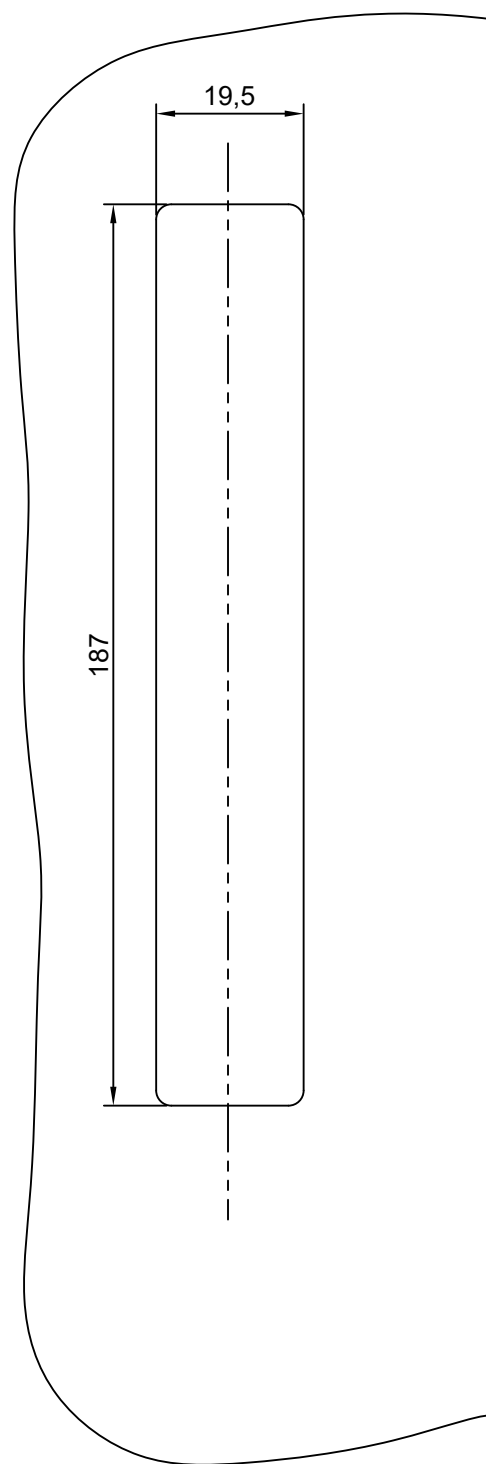
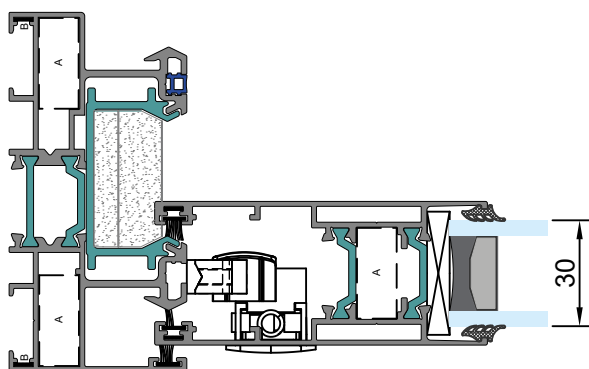
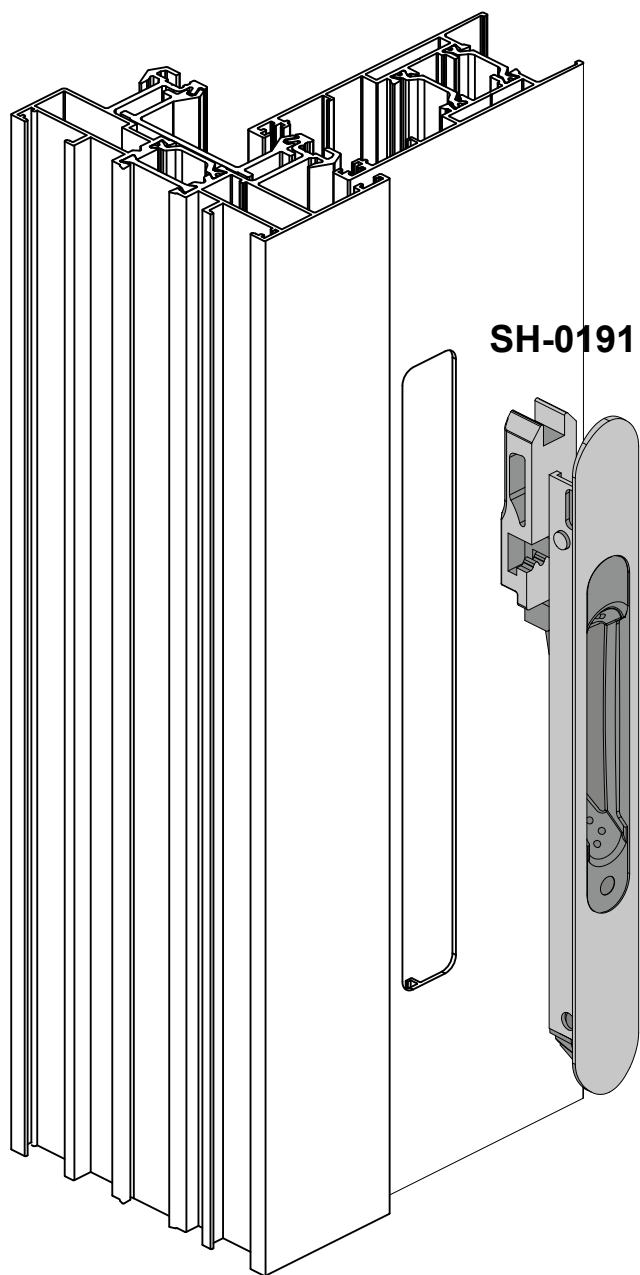


SH-8110



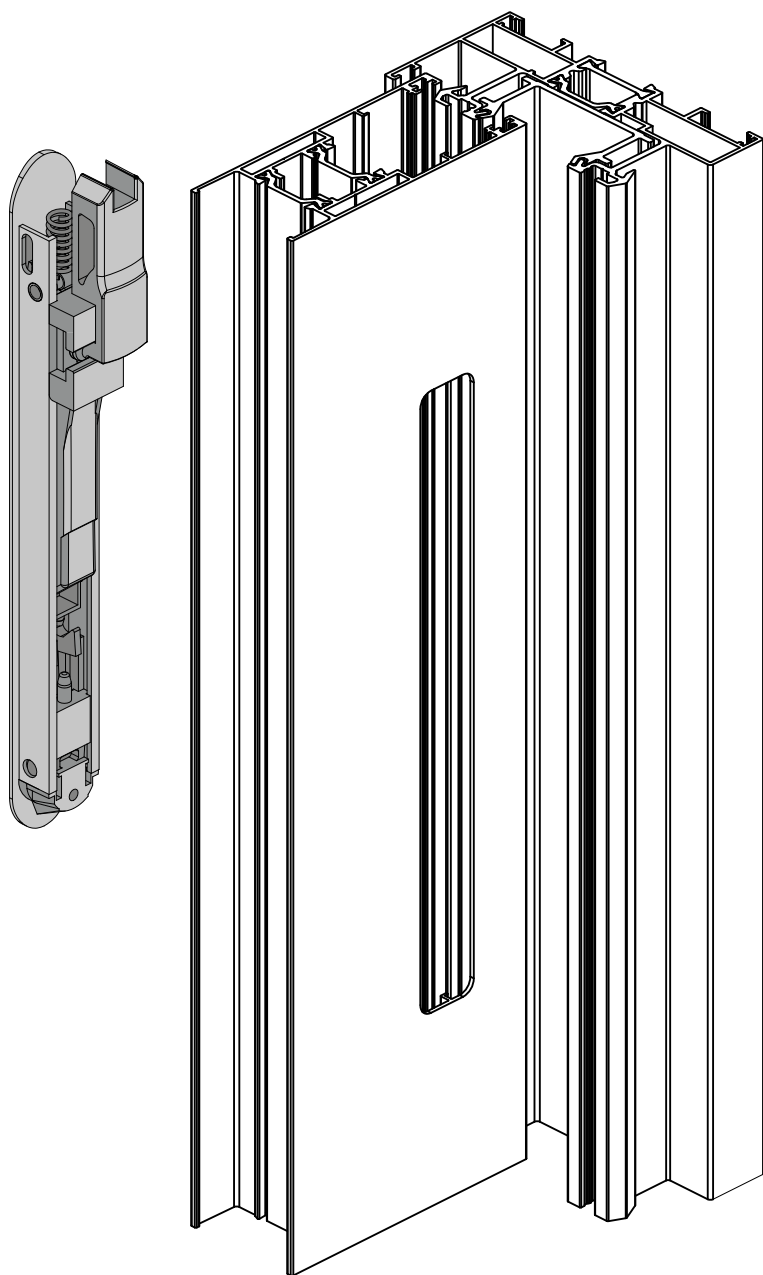
MACHINING



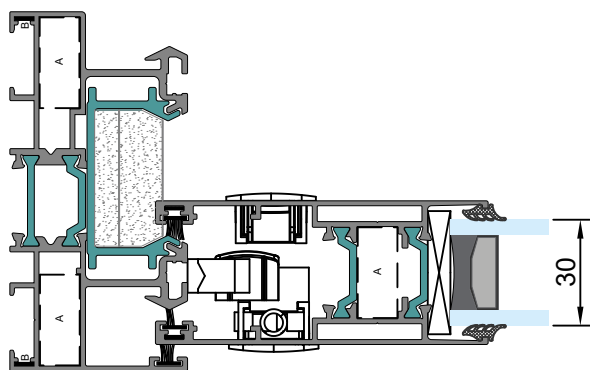
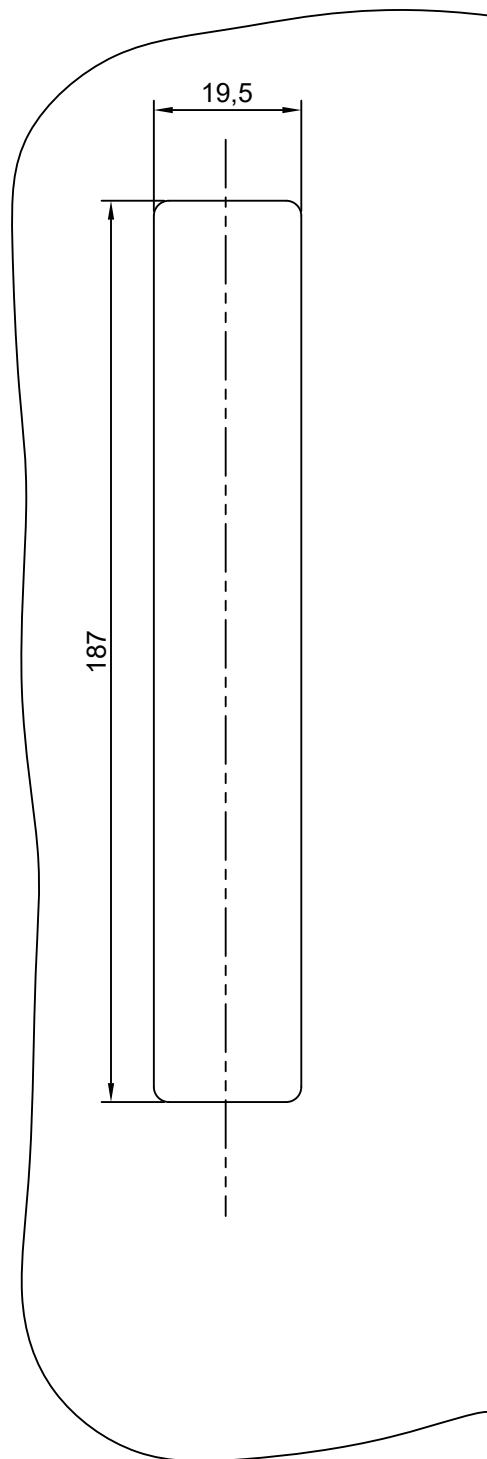


For outside, sliding handle

MACHINING



SH-0195



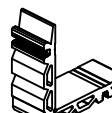


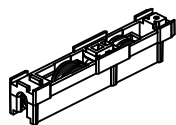
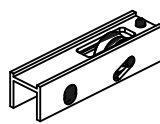
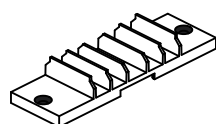
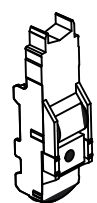
ACCESSORIES

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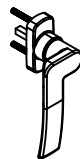
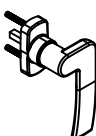
SWT38
THERMO SLIDING SYSTEM

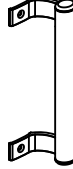
ACCESSORIES

	Accessory Drawings	Description
CR-1124		Threaded Aluminium Corner-Joint
KT-106-024		Press Aluminium Corner-Joint
CR-1124		Threaded Aluminium Corner-Joint
CR-1800		Alignment Plastic Corner Joint
CR-1900		Alignment Stainless Steel Corner Joint

	Accessory Drawings	Description
SR-0208R		Double Plastic Wheel for Stainless steel rail
SR-0101R		Single Plastic Wheel for Stainless steel rail
PLMD-01		Central Seal
SA-0338		Buffer For Sliding Doors
SA-0330		Buffer For Sliding Mosquito
CAP-SWT38-401		End Cover
SAP-SWT38-01		Sash Alignment Plastic
CAP-SWT38-403		Sash Joint Profile End Cap

ACCESSORIES

	Accessory Drawings	Description
SS-1000		Multi-point locking system with adjustable hook locks. L:1000mm
SS-1400		Multi-point locking system with adjustable hook locks. L:1400mm
SS-1600		Multi-point locking system with adjustable hook locks. L:1600mm
WH-0610		Sliding door handles
WH-0620		Sliding door handles
WH-0650R		Sliding door handles
WH-0650L		Sliding door handles
SH-0170		Sliding door handles

	Accessory Drawings	Description
SH-0181		Sliding door handles
SH-0180		Sliding door handles
SH-8110		Sliding door handles
SH-0190		Sliding door handles
SH-0191		Sliding door handles
SH-0195		Sliding door handles
LS-7401		Stopper for sash

ACCESSORIES

Accessory Drawings		Description
Poliamid-01 SIP-SWT38-L SSR-02		Frame Internal Drainage Plastic
		Pvc Sash Interlock Profile
		Stainless Steel Rail

Accessory Drawings		Description
GS-SSR-02 GS-Q4-F GS-304 TPE-F GM-5. BLACK PB67/550		Steel Rail Gasket
		Sash Interlock Profile 4mm Foam Gasket
		Sash Joint Profile Gasket Coex Foam
		Fly Screen Wick
		Brush